



The University of Sydney

Faculty of Health Sciences Handbook 2006

University dates

University semester and vacation dates 2006

<i>Summer School</i>	
Lectures begin	Tuesday 3 January
Lectures end	Friday 3 March
<i>Semester One</i>	
Lectures begin	Monday 6 March
AVCC common week/non-teaching Easter period	Friday 14 April to Friday 21 April
Last day of lectures	Friday 9 June
Study vacation: one week beginning	Monday 12 June to Friday 16 June
Examination period	Monday 19 June to Saturday 1 July
Semester ends	Saturday 1 July
AVCC common week/non-teaching period	Monday 3 July to Friday 7 July
<i>Semester Two</i>	
Lectures begin	Monday 24 July
AVCC common week/non-teaching period	Monday 25 September to Friday 29 September
Last day of lectures	Friday 27 October
Study vacation	Monday 30 October to Friday 3 November
Examination period	Monday 6 November to Saturday 18 November
Semester ends	Saturday 18 November

These dates (and any updates) are also available at:

www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml

The University of Sydney

NSW 2006

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This book (and other handbooks) can also be found at:

www.usyd.edu.au/handbooks

The University of Sydney

Faculty of Health Sciences Handbook 2006.

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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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Last dates for withdrawal or discontinuation 2006

Semester One units of study

Last day to add a unit Friday 17 March

Last day for withdrawal Friday 31 March

Last day to discontinue without failure (DNF) Friday 28 April

Last day to discontinue (Discontinued - Fail) Friday 9 June

Semester Two units of study

Last day to add a unit Friday 4 August

Last day for withdrawal Thursday 31 August

Last day to discontinue without failure (DNF) Friday 8 September

Last day to discontinue (Discontinued - Fail) Friday 27 October

Last day to withdraw from a non standard unit of study By the census date of the non standard unit of study which must not be earlier than 20 per cent of the way through the period of time during which the unit is undertaken.

Details are in the session calendar on the timetabling website

<http://web.timetable.usyd.edu.au>.

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Faculty of Health Sciences Handbook

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Message from the Dean

It is a great pleasure to welcome you to the Faculty of Health Sciences. There could be no better time than now to embark on a course in our Faculty, where our many health disciplines offer innovative undergraduate and postgraduate programs of impressive variety.

The scope of our programs is far reaching. We offer Bachelor degrees, Graduate Certificate and Diploma courses, graduate entry professional preparation, Master's by coursework and Master's by research, and doctoral programs. The breadth and depth of the courses available in our Faculty are second to none in Australia or the Asia-Pacific region. You may be a school leaver, a mature-aged student or indeed have already completed a degree course but are considering a career change; we have the right course for you.

As you know, we are in the midst of an era of technological change and an ongoing information explosion, no more so than in the allied health area. At the Faculty of Health Sciences we are well placed to deal with the ever increasing amount of knowledge necessary to remain at the cutting edge, with our world class academic staff who are dedicated experts in their chosen fields of research and teaching.

Our faculty is well recognised internationally; through our formal ties with many universities in Europe, Asia and North America we have plenty of opportunities for exchanges of students, staff and the sharing of information.

We are constantly revising and updating our programs and creating new ones to fulfil the needs of our students and the demands of the health workforce.

We offer a variety of teaching modes to suit your individual needs. In addition to the traditional on-campus coursework programs, it is possible to complete courses full-time, part-time, by block mode, short course, by distance, or by research only.

Our overriding aim is to equip our students with optimum knowledge and clinical expertise so that you in turn can serve the community in which ever professional pathway you may follow, be it private practice, hospital work, in a healthcare centre, academia or industry. We have close links with the professional organisations, government departments and area health services as well as with industry. Our graduates are respected and have little difficulty in obtaining the jobs of their choice.

In addition to the academic benefits you will derive from study at the Faculty of Health Sciences, you can have a rewarding social life at our Cumberland campus, where the diversity of students' backgrounds enriches your University experience. You will appreciate the many support services and facilities including cafés, sporting and recreational venues and student organisations all available on campus. Our website keeps you up to date with news and events at the Faculty and across the University, as well as providing you with information about the services and contacts, so visit our website (<http://www.fhs.usyd.edu.au/>) regularly. Please do not hesitate to ask us for advice - we are ready to offer guidance at every step of the way.



You have made an excellent choice in deciding to study with the Faculty of Health Sciences. The Faculty is committed to a lifelong, mutually beneficial relationship with you as a student and later on as a valued alumnus.

I am sure that your journey with us will be a rewarding and memorable one, and I wish you the very best in all your endeavours.

Professor Gwynnyth M Llewellyn
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 2006 academic year to maximise 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 (systems)
- 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 Technology
- 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 (blue) section contains chapters 6 to 18. Users will also be able to find a descriptor of each School in this section.
- postgraduate (yellow) section contains chapters 19 to 31, 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 2006" 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 (e.g. AHCD 1234, BACH 2345). Details of units such as description of content, credit points, semester offered, assessment for the units offered in each relevant course are provided for the current academic year.

Clinical Education

Many courses include Clinical Education/Professional Practice as a requirement for completion of a course. Information regarding Clinical Education can be found in chapter 32.

University Dates

Please see the University Dates (<http://www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml>) page for a listing of all current semester, holiday and examination dates within the University of Sydney.

1. Staff

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Course and enrolment enquiries should be directed to:
Student Administration Unit
Phone: +61 2 9351 9161; Fax: +61 2 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.

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Website: www.fhs.usyd.edu.au/avs/ (<http://www.fhs.usyd.edu.au/avs/>)
Head of School: Mrs Neryla Jolly

School of Behavioural and Community Health Sciences

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School of Biomedical Sciences

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School of Communication Sciences and Disorders

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School of Medical Radiation Sciences

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School of Occupation and Leisure Sciences

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School of Physiotherapy

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Yooroang Garang: School of Indigenous Health Studies

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Acting Head of School: Ms Sally Farrington

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Faculty of Health Sciences

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Emeritus Professor
Vicki A Reed, BS Northwestern MA Denver EdD NColorado, FASHA.

Honorary Professors
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NHMRC Fellow
Susan Balandin, MA PhD Macq DipSpTherapy WestEndHospSp-TherapySch UK

1. Staff

Senior Lecturer

Michelle Lincoln, BAppSc *Cumb* PhD

Honorary Senior Lecturer

William Thorpe, BE(EE) PhD *Cant*

Lecturers

Elise Baker, BAppSc PhD

Linda S Hand, BA *Cant* MA *Iowa* PhD *Macq* DipT(SpTher) DipEd *Auck*

Belinda Kenny, MAppSc

Patricia McCabe, BAppSc PhD GradCert(EdStudies)

Alison A Purcell, MAppSc *Cumb*

Christine Sheard, MAppSc *Cumb*

Leanne Togher, BAppSc *Cumb* PhD

Clinical Educators

Katrina Gott, BAppSc *Cumb*

Megan Hinselwood, BSpPath *Qld*

Geraldine Katz, BA (Sp&HTherapy) *Witwatersrand*

Nadia Madonna, BAppSc(SpPath)

Lyndall Menz, BAppSc MHIthSc(CommDis) *CSturt*

Julia Starling, BAppSc MSc *Colorado*

Donna Thomas, BAppSc

David Trembath, BAppSc

Felicity Burke, BAppSc *Cumb*

Honorary Associate

Bruce Baker

Honorary Research Associates

Jan van Doorn, BSc *Adel* PhD *UNSW*

Anthony Hogan, BA *UWS* MSc Hons *W'gong* PhD *Macq*

Honorary Teaching Associates

Jacqueline Roberts, BA *Cant* BAppSc *Cumb* BA PhD *Macq* GradDip *CCTeachColl*

Clinical Lecturers

Monika Kaatzke-McDonald, BAppSc *Cumb* MAppSc

Valerie Lim, BSpPath MAppSc *La Trobe*

Emma Power, BAppSc

Honorary Clinical Supervisors

Maria Berarducci, BAppSc *QLD*

Christine Taylor, BAppSc *Cumb*

Jeffrey Chan, BAppSc

Honorary Clinical Associates

Cathleen Taylor, BAppSc *Cumb*

Rachel Miles, BAppSc

Clinical Associates Lecturers

Alison Anderson, BAppSc *Cumb*

Melissa Curby, BAppSc *Cumb*

Eva Nemeth, BAppSc *Cumb* DipMusic *NSWConsMusic*

Magdalen Rozsa, BAppSc *Cumb*

Kate Short, BAppSc *Cumb*

Hayley Smithers-Sheedy, BAppSc *Cumb*

Susan Starr, BAppSc *Cumb*

Rebecca Sutherland, BSpPath *Newcastle(NSW)* MHIthSc(DD)

Johan Thomson, BAppSc *SAustCAE*

Jean Tsembis, BA *Macq*

Administrative Manager

Mary Routledge

Administrative Assistants

Helen Inns

Charlotte Colaco

School of Exercise and Sport Science

Head of School

Margaret Torode, BAppSc *PhilipIT* MSc PhD *Oregon* GradDip *Deakin*, FASMF

Professor and John Sutton Chair of Exercise and Sport Science

Maria Fiatarone Singh, MD *Calif*

Appointed 1999

Associate Professors

Glen M Davis, BPE *Ott* MA *Wont* PhD *Tor*, FACSM

Nicholas O'Dwyer, MA *Dublin*, ~~UK~~ *UNSW*

Richard M Smith, BSc *UNSW* MSc *Macq* MEd *Mane* MA *Macq*

PhD *W'gong* DipEd

Martin W Thompson, MSc *Lough* PhD *Lond* DipPE TSTC *Melb*

AdvDipPE *Leeds*

Senior Lecturers

John R Brotherhood, MBBS *Lond*

Corinne Caillaud, MSc PhD *Montpellier*

Chin M Chow, MSc *Otago* PhD

Lecturers

Rene E.D. Ferdinands, MSc PhD *Waikato*

Thomas H Gwinn, BAppSc *Cumb* BSc

Michael S Lee, BE *UNSW* BAppSc *Cumb* MBIomedE *UNSW*

Helen T O'Connor, BSc *UNSW* DipND PhD

Damien O'Meara, BSc *W'gong* PhD

Rhonda Orr, BPharm MEx&SpSc

Jacqueline Raymond, BAppSc *W'gong* PhD

Kieron Rooney, BSc PhD

Benedicte Vanwanseele, MSc *Leuven* PhD *Eth Zurich*

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 PhD

Timothy J Turner, BAppSc *NSWIT* MAppSc *UTS*

Administrative staff

Lyndall M Burke, BA *UNE*

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* MComm *UNSW*

Aditi Dey, MBBS *Delhi* DTM&H MPH *Mahidol* Grad-

DipAppSc(HIM) *Cumb* MPH

Joe Huang, MBBS *Sun Yat-Sen* DipComp *BusinessCollNSW* Grad-

DipHIM PhD

Angelika Lange, MA(InfSc) Dipl-Psych *FU Bed* GradCertHlth-

Sc(CDM)

Anne Marks, AssDipMRA *Cumb* MHIthSc(Ed)

Noeline Monaghan, GDLP *ANU* MSc DipLaw

Basema Saddik, BAppSc(HIM) MPH *UNSW*

Research staff

Jean McIntosh

Administrative staff

Jane Alanthwaite
Christine Booth
Sheree Crick

School of Medical Radiation Sciences*Head of School*

Jennifer Cox, BA *Macq* ARMIT PhD, MIR

Professor and Chair of Medical Radiation Sciences

Richard Banati, MD PhD *Mainz*
Appointed 2004

Associate Professor

Steven Meikle, BAppSci *UTS* PhD *UNSW*

Senior Lecturers

Jill Clarke, DipAppSc GradDipAppSc *RMITDMU ASUM BAppSc*
MHlthScEd AMS
Simon Cowell, BEd *SCAE* MEd *UTS* AssDipAdultEd *SCAE* CertN-
MT *STC* PhD
Alastair Davison, BSc PhD *Melb*
Ann Poulos, BA DipEd *Macq* DipRad *UK* PhD

Lecturers

Edwina Adams, BAppSc(MRT) *NM* MAppSc(MRS)
John Atyeo, BA *UTS* BSc *Macq* AssDipRadTech *SAIT* *MHlthScEd*

Dale Bailey, MAppSc *UTS* PhD *Surrey* ARCP *Lond* CertNucMed
STC

Edward Caruana, BAppSc(AdvNur) *Cumb* AssDipMedRad *STC*
GradDipMgt *UTS* BAppSc(MRT) MEd, RN FIR

Barrie Egerton, BSc *Wales* MSc *Salf*

Nikki Field, BAppSc *MHlthScEd*

Jane Fonda, BAppSc CertRad *RMITDMU ASUM AMS* MEd

Angela Hamilton, BAppSc(MRT) *Cumb* *MHlthSc(MRS)*

Peter Kench, BAppSc GradCertHlthScEd

Elisabeth Kilburn-Watt, BSc BA *York* MA *Macq*

Sarah Lewis, BAppSc PhD

Danielle Milinkovic, BAppSc *MHlthScEd*

Craig Opie, BAppSc(MR) *RMIT MVET* *UTS* DipRM *ECNT*

Gary Reddy, BTech(Rad) *TN* BA(EdPsych) *UNISA* MSc *APU*

HDipEd *Natal*

Warren Reed, BSc(AppRad) *SBank* PGCertTLHE *Kingston*

John Robinson, CertRad *STC* BAppSc

Lucy Taylor-Turner, BAppSc(MI) *CSturt* GradDipHlthSc(MedSono)
AMS, MIR

Mark West, BAppSc *USQ* MAppSc(MedPhys) *QUT*

Associate Lecturer

Jocelyn Barnes, BAppSc GradCertHlthScEd

Executive Assistant to Head of School

Ingrid Singleton, BSc DipBio *Open*

Office Manager

Hong Wu

Postgraduate Coursework Administrator

Kerrie McLean, MEd *UTS* GradCertEd, MCES

Administrative Assistants

Ann Lonsdale

Susan Lucas, BAppSc(MRS)

Technical Officers

Eric Guthrie

Graeme Roberts

School of Occupation and Leisure Sciences*Professor and Head of School*

Anita Bundy, BSc(OT) *WMich* MSc ScD(Therapeutic Studies) *Bo-*
ston, OTR FAOTA

Chair of Occupation and Leisure Sciences

Anita Bundy, BSc(OT) *WMich* MSc ScD(Therapeutic Studies) *Bo-*
ston, OTR FAOTA
Appointed 2002

Honorary Professors

Susan Esdaile, BAppSc(OT) *VicIC* PhD *La Trobe*, MAPS OTR

SROT

William C Mann, BS *Rutgers* MSLOT *Virginia* PhD *Buffalo* OTR

Honorary Associate Professor

Lynne Adamson, BAppSc(OT) *Lincoln* GradCertUniT&L *CSturt*

MAppSc(OT)

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

Senior Lecturers

Catherine E Bridge, BAppSc(OT) *Cumb* MCogSc *UNSW*

Christine J Chapparo, MA PhD *Macq* DipOT, OTR FAOTA

Maureen H Fitzgerald, BIS *GMU* MA PhD *Hawai'i*, RN

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

Susan D Griffin, BAppSc(OT) *Cumb* MA(Hons) *UNSWVKD* *W'gong*

GradDip(AppBehSc) *Cumb*

Eveline J Innes, BAppSc(OT) *WAIT* MHPEd

UNSWVKDCurtin

David McConnell, BAppSc(OT) PhD

Lee tu re rs

Ruth O Beltran, BSOT MA *UP*, OTRP FOTAP

Philip W Chan, MAppSc *Curtin* DipOT TDipCOT *Brit* RN

Michelle Donnelly, BAppSc *Cumb* MA PhD *Macq*

Nicola Hancock, BAppSc(OT) *Cumb*

Anne M Hillman, BAppSc(OT) *WAIT* MAppSc(OT)

Norm Kelk, BA BSW *Qld* PhD *UNSW*

Judy L Ranka, BSc(OT) *WMich* MA *Macq*, OTR

Jo Ragen, BA(LS) MM *UTS*

Justin Scanlan, GradDipMentalHealthSci *Melb* BOccThy *Qld*

Kirsty Stewart, BAppSc(OT) *Cumb* MAppSc(OT)

Robyn L Twible, MA *Macq* DipOT

Honorary Lecturer

Helen Edwards, BOccThy MEd GradCertHigherEd GradDipConEd
PhD *UNE*

Sesquicentenary Senior Research Fellow

Lindy Clemson, BAppSc(OT) *WAIT* MAppSc(OT) *Cumb* DipOT
NSWCollOT PhD

Research Assistant to Sesquicentenary Chair

Angela Dew, BA *Auck*

Research Assistant to Chair of Occupation and Leisure Sciences

Tim Luckett, BSc(ClinCommSci) *Central Sch of Sp & Drama, Lond*
PhD *Hertfordshire*

Research Fellow

Suzanne Snead, BS(Psych) MS(Therapeutic Recreation) *SMississippi*
PhD *Newcastle(NSW)*

Research Associates

Julie Cameron, BAppSc(OT), *MHlthSc*

Gabrielle Hindmarsh, BA(Psych) *UNE*

Louella McCarthy, BA MA(Women's Studies) PhD *UNSW*

Research Assistants

Myfwany Maple, BSoWork *WVSW* GradCert(AdolesHlth&Welfare)
Melb

Kerrie McKenzie, BAppSc(OT) *Cumb* MA(SpEd) *Macq*

Driver Rehabilitation

Beth Cheal, MAppSc(OT)

Trinity Glendenning, BAppSc(OT)

Bernadette Walsh, BAppSc(OT)

Secretary

Elizabeth C Conyard

Fieldwork Administration Officer

Ruinga Matiu

Executive Assistant to the Head of School

Belinda Chambers, BA *Macq*

Graduate Development Officer

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

1. Staff

Resource Officer
Marilyn Duncan

Administrative Officer
Catherine O'Keefe, BA *UNE*

Stores Manager
Maree Schell

Undergraduate Officer
Sharon Woods

School of Physiotherapy

Professor and Head of School
Kathryn M Refshauge, MBIomedE PhD *UNSW DipVhty GradDip-ManipTher Cumb*

Professor and Chair of Physiotherapy
Kathryn M Refshauge, MBIomedE PhD *UNSW DipVhty GradDip-ManipTher Cumb*
Appointed 2003

Professor
Joy Higgs, BSc MHPed PhD *UNSW GradDipPhy Cumb*
Appointed 1994

Associate Professors
Jack Crosbie, MSc PhD *Strath GradDipPhys Glas DipTP Edin*
Robert D Herbert, BAppSc(Phty) *Cumb MAppSc PhD UNSW*
Christopher Maher, BAppSc GradDipAppSc(ManipPhy) GradDipAppSc(ExSS) *Cumb PhD*

Honorary Professor
Roberta B Shepherd, MA EdD *Col DipPhy, FACP*

Honorary Associate Professor
Janet H Carr, MA EdD *Col DipPhy, FACP*

Senior Lecturers
Louise Ada, BSc PhD *UNSW MA Col GradDipPhy Cumb*
Roger Adams, BA *Adel PhD UNSW*
Jennifer Alison, DipPhy MSc *Lond PhD*
Colleen G Canning, BPhy *Qld MA Col PhD*
Catherine Dean, BAppSc(Phty) *Cumb MA Col PhD*
Sharon L Kilbreath, BScPT *Qu MCISc WOnt PhD UNSW*
Jane Latimer, BAppSc(Phty) *Cumb GradDipAppSc(ManipPhy) PhD*
Lorimer Moseley, BAppSc(Phty) PhD

Lecturers
Robert A Boland, BAppSc GradDipAppSc(ManipTher) *Cumb PhD*
Jane Butler, MEd *UNSW DipPhy Auckland GradDipAppSc(PaedPhy) Cumb*
Susan Coulson, BAppSc(Phty) *Cumb MAppSc(Ex&SpSc)*
Sharon Czerniec, BAppSc(Phty) *Cumb MHLthSc(Ed)*
Genevieve Dwyer, BAppSc(Phty) *Cumb GradCert(AdultEd) UNE*
GradDipAppSc(PaedPhy-Hydro) *Curtin MAppSc(Phty)*
Virginia Fowler, BAppSc *Lincoln MAppSc(Phty)*
Carolyn Gates, MAppSc(Phty) *Cumb*
Mark Hancock, MAppSc
Alison R Harmer, BAppSc(Phty) PhD
Cheryl Hobbs, MAppSc GradDipMgtHlthSci *SAust DipP&OT Tor HScD*
Adrienne E Hunt, MBIomedE *UNSW PhD GradDipPhys Lond GradDipPaedPhy Cumb*
Julia Hush, BSc BAppSc(Phty) PhD
Martin Mackey, BAppSc(Phty) *Cumb MSafSc UNSW BEc PhD*
Lyndal Maxwell, BAppSc(Phty) *Lincoln GradDipAppSc(Cardio-thoracic) La Trobe MAppSc(Phty) PhD*
Bredge McCarren, BSc *UNSW GradDipPhy Cumb GradDipAppSc(Cardiothoracic) La Trobe MAppSc(Phty) PhD*
Zoe McKeough, BAppSc(Phty) PhD
Anne Moseley, BAppSc(Phty) *Cumb PhD GradDipAppSc(ExSpSc)*
Joanne Munn, BAppSc(Phty) MAppSc GradCert(Ed)
Leslie Nicholson, BAppSc(Phty) GradDipAppSc(SportsSc) GradDipAppSc(ManipPhy) *Cumb PhD*
Eva Schonstein, BAppSc(Phty) *Cumb MHPed UNSW PhD*

Debra Shirley, BSc *UNSW GradDipPhy GradDipManipTher Cumb PhD*
Angela Stark, BAppSc(Phty) MAppSc(NeuroPhy)
Gordon Waddington, BSc BAppSc(Physio) MEx&SpSc
MAppSc(SportsPhysio) PhD
Karyn Whelan, BAppSc(Phty) *Cumb MAppSc(Phty)*
Vicki Williams, BAppSc(Phty) *Cumb MEd UNSW*

Associate Lecturers
Andrew Leaver, BAppSc(Phty) *Cumb GradDipAppSc(ManipPhy)*
Nia Luxton, BSc(Phty) *Ulster*
JanNaughton, BA *ANU BAppSc(Phty) Cumb GradDip(SptMed) Lond PhD*

Associate Lecturer (Research)
James McAuley, BSc PGDip *Surrey PhD Brunel*

Academic Program Administrator
Trish Fennessy, BA DipTching *Well*

Yooroang Garang: School of Indigenous Health Studies

Acting Head of School
Sally Farrington, BSc MHPed *UNSW GradDipPhy Cumb*

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

Lecturers
Bruno A Gelonesi, MA *Macq GradDipEdSt Nepean, CAE*
Shane Merritt, BA *UNE MA(Psych)*
Susan Page, BA *UNSW, RN CM*
Miranda Rose, BN *UNE MPhC Flin, RN*
Vhoyt Losberg, BA *JamesCook MBehHlthSc*
Anthony Dillon, BSc *MtrainDev*
Angela Dawson, BA *Cant MA Lond*

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
Professor Richard Madden, PhD *Prin BSc, FIAA*
Appointed 2006

Associate Director
Kerry Innes, AssocDip(MRA) *Cumb*

Information Technology

Systems Manager
Young Tjoa, BSc(Computer Science) *CalStateU*

IT Services Officer
Vaughan Jackson

Classification Support and Development Division

CATCH Project Manager
Lauren Jones, BAppSc(HIM) *MSc*

Acting Classification Support Coordinator
Lisa Richmond, BAppSc(HIM)

Project Officers

Kerri Doyle, BBus(HlthAdmin) *QUT*
Karyn Chen, BAppSc(HIM)
Megan Cumerlato, BAppSc(HIM)
Terry Dymmott, BHLthSc *Flinders*
Melinda Lewis, BAppSc(MRS) *Cumb* MHLthSc(Ed)
Julie Rust, BAppSc(HIM)
Patricia Saad, BAppSc(HIM)
Lwin Maria Tun, MHIM
Quality Coordinator
vacant

Publications Division

Publications Manager
Rodney Bernard, GradDip(Design Studies) *UTS*

Publications Officer
Peter Long

Sales and Distribution Coordinator
Catherine Stanhope

Education

Education Manager
Vacant

Research

Research Officer
Donna Truran, BA(Psych)

Administration

Office Manager
Tina Stanhope

Administrative Assistants
Dana Higgings
Imelda Noti

Rehabilitation Research Centre

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

2. Guide to the Faculty

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 effective teaching and provide opportunities for the professional development of the teaching staff; and
- provide and maintain physical facilities for this teaching and research.

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

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

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

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

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

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

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

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

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

The involvement in PhD programs from 1990 is a highlight of the amalgamation with The University of Sydney.

As from 1 January 1994, the School of Nursing, Faculty of Health Sciences was integrated into the Faculty of Nursing.

Objectives

The primary objectives of the Faculty are:

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

The supporting objectives are:

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

Academic Governance

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

Constitution of the Faculty of Health Sciences

I. 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 per cent 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;
- (d) full-time and fractional (40 per cent 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 and Health Sciences Librarian;
- (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).

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

Structure

The Faculty's academic structure comprises ten 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 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 excellence in health classification theory and clinical terminologies. The NCCH creates, maintains and publishes the International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification, a disease classification, which is adapted from the World Health Organization classification, ICD-10. The Australian Classification of Health Interventions (ACHI), a comprehensive classification of health procedures and interventions, is developed by the Centre. It is based on the Medicare Benefits Schedule. The Centre creates Australian Coding Standards (ACS) through a consultative process with clinicians and clinical coders to create best practice guidelines

to apply the classification. The Fifth Edition of ICD-10-AM, ACHI and ACS will be published in 2006.

The Centre has expertise in clinical terminologies, 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 biennial publication of ICD-10-AM, ACHI and ACS
- development and publication of classification sub sets for community-based mental health and early parenting services
- development and production of health classifications in electronic media including eBook, Electronic Code List, MS Access database
- continuing development and publication of Australia 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 ICD-10-AM, ACHI and ACS since their inception
- creating and publishing ICD-10-AM mapping tables
- producing a quarterly newsletter - Coding Matters - for clinical coders and users of coded data
- providing consultancies on behalf of the World Health Organization
- developing the International Classification of Health Interventions (ACHI) with the World Health Organization
- providing consultancy services in Australia and internationally
- researching and developing a general practice term set
- researching and developing an emergency departments term set
- researching and developing CATCH, a community health terminology
- contributing to the Australian Government 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 Groups

The NCCH also has a site at the Queensland University of Technology (Brisbane).

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

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Course enquiries

Student Administration Unit, 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 5 pm. The postal address is:

Student Administration Unit
Faculty of Health Sciences
The University of Sydney
PO Box 170
Lidcombe NSW 1825
Phone +61 2 9351 9161, fax +61 2 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 website (<http://www.uac.edu.au>).

Further information is also available from Student Administration Unit, phone +61 2 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 +61 2 9351 4117, or on the website (<http://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 Unit, phone +61 2 93519574.

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 website (<http://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 website (<http://ptwww.fhs.usyd.edu.au/HomeSite/>). 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. Applicants for fee-paying places will be selected in the same way as applicants for Commonwealth supported 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 Commonwealth supported 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 Commonwealth supported place in subsequent years students must re-apply and compete against all other applicants.

Further information is available on the University's website (<http://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 2005 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 +61 2 9351 4079 or refer to the website (<http://www.usyd.edu.au/international/>).

Admission requirements - graduate courses

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

Information on UAC Applications

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; or
- apply on-line (<http://www.uac.edu.au>).

UAC postal address:
UAC, Locked Bag 112
Silverwater NSW 2128
Phone: +61 2 9752 0200

The closing date for UAC applications is late September, however late applications may be lodged until early-February upon payment of the specified late fee. UAC does not guarantee that applications received after 30 September will be considered in the main round of offers.

Postgraduate course applications

Information and application forms for the Faculty's postgraduate courses are available from Student Administration Unit in August each year, or on the following website (<http://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 for local students and 31 August for international students.

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

Applications for graduate research programs close 30 November. 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 non-award enrolment 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 Unit.

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.

Commonwealth supported students who are pre-2005 HECS students and who are participating in cross-institutional programs are eligible to be Commonwealth supported at their host provider. Students who are not pre-2005 HECS students may be required to pay tuition fees.

Enquiries concerning application procedures and eligibility should be directed to Student Administration Unit.

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 of human behaviour. Areas of study include: normal and abnormal psychological development, perception, cognition, personality development, health and human behaviour, and psycho-social aspects of illness and disability.

Sociology is a distinctive form of social inquiry that addresses the origins, nature, and prospects of modern societies. It systematically analyses a range of public issues, and it seeks to explain human behaviour by focusing on the social context within which it occurs. Health sociology is a recognised subdiscipline which includes the following topics: the relationship between social inequality and health; the nature of client-practitioner interactions; the processes of policy formation and service delivery in healthcare; and the relationship between health, medicine, and society.

Research Methods units involve the study of how information (data) is collected, measured and analysed, and making conclusions on the basis of these investigations. Research methods units involve 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 emphasised.

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 prerequisites, 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, Behavioural Health Science, Health Information Management and 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 +61 2 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 all students)

- 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 Hearing and Speech and Speech Pathology)

- Familiarity with the terminology of traditional English grammar and common classes - e.g. 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 - e.g. NP, UP, PP etc.
- Ability to identify the elements of clauses - i.e. 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 Exercise and Sport Science, Health Information Management, Medical Radiation Sciences and Physiotherapy)

- 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:

$$y = mx + c$$

$$y = ax^2 + bx + c$$

$$y = x^n$$

- 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 on the website (http://www.fhs.usyd.edu.au/future_students/undergrad/bridging.shtml).

Mathematics

The Mathematics Learning Centre (on Camperdown campus) assists undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees

apply). The centre also provides on-going support to eligible students during the year through individual assistance and small group tutorials. For details of activities and online resources provided by the centre see website via your MyUni student portal or the Services for Students at website (http://www.usyd.edu.au/stuserv/academic_support/maths_learningcentre/index.shtml).

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 full-time Study Preparation Program is offered to newly enrolled international students prior to the start of lectures each semester, to prepare them for academic study in an Australian health sciences context.

Undergraduate Honours programs

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

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

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

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

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

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

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

Honours policy in the Faculty of Health Sciences

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

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

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

Honours Grades	
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 (i.e. 65 per cent) 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 diploma and degrees

Discipline	Duration	Mode	Course code
<i>Bachelor of Applied Science (BAppSc)</i>			
Exercise, Sport Science and Nutrition***	4 years	full-time	SH115
Exercise and Sport Science*	3 years	full-time	SH088
Health Information Management* (last intake 2004)	3 years	full-time	SH011
Health Information Management*	4 years	full-time	SH096
Leisure and Health*	3 years	full-time	SHI 04
Leisure and Health* (last intake 2004)	6 years	off-campus	SH103
Medical Radiation Sciences*	3 years	full-time	
Diagnostic Radiography (last intake 2005)			SH105

Nuclear Medicine Technology (last intake 2005)			SH106
Radiation Therapy (last intake 2005)			SH072
Medical Radiation Sciences*	3 years	full-time	
Diagnostic Radiography			SHI 16
Nuclear Medicine Technology			SHI 17
Radiation Therapy			SHI18
Occupational Therapy*	4 years	full-time	SHI 11
Orthoptics* (last intake 2003)	4 years	full-time	SH094
Orthoptics*	4 years	full-time	SH099
Physiotherapy* (last intake 2003)	4 years	full-time	SH090
Physiotherapy*	4 years	full-time	SH095
Speech Pathology*	4 years	full-time	SH040
Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition) Combined Degree**	5 years	full-time	SH093
Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing	4 years	full-time	GH018
Bachelor of Behavioural Health Science*(BBHSc)	3 years	full-time	SHI 02
Bachelor of Behavioural Health Science/Master of Nursing	4 years	full-time	GH017
Bachelor of Health Science (BHlthSc)			
Aboriginal Health and Community Development*	4 years	block attendance	SH059
Hearing and Speech*	3 years	full-time	SH068
Medical Radiation Technology# (July start)	1 year	part-time	SH076
Medical Radiation Technology	1 year	full-time	
Diagnostic Radiography+			SH050
Radiation Therapy+			SH108
Nursing# (last intake 2005)	2 years	part-time	SH080
Nursing#	2 years	part-time	SH077
Occupational Therapy# (July start)	1 year	part-time	SH075
Occupational Therapy+	0.5 year	full-time	SH089
Physiotherapy# (July start)	1 year	part-time	SH079
Physiotherapy+	9 months	full-time	SH083
Rehabilitation Counselling*	4 years	full-time	SH085

Bachelor of Health Sciences *(BHlth-Sci)	3 years	full-time	SH086
Bachelor of Health Sciences/Master of Nursing	4 years	full-time	GH016
Diploma of Health Science (DipHlth-Sc)			
Aboriginal Health and Community Development (not offered in 2006)	2 years	full-time	SI029

Notes to undergraduate diploma and degrees:

* *Honours Program available. Total course length four years full-time.*

** *Includes Honours in Nutrition, or Nutrition and Dietetics in Year 5.*

*** *Students must enrol in the combined degrees in Exercise and Sport Science/Nutrition in Year 1.*

Off-shore (Singapore-based) conversion courses.

+ *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

Mode: On campus or off campus

Area of study	Course code
Australian Stuttering Research Centre	SB012
Behavioural and Community Health Sciences	SB016
Biomedical Sciences	SB004
Communication Sciences and Disorders	SB003
Exercise and Sport Science	SB011
Health Information Management	SB010
Indigenous Health Studies	SB015
Medical Radiation Sciences	SB007
Occupation and Leisure Sciences	SB009
Orthoptics	SB008
Physiotherapy	SB005
Rehabilitation Research	SB014

Doctor of Health Science (HScD) (generic award) SB017

FT: minimum 3 yrs - maximum 4 yrs

PT: minimum 3 yrs - maximum 8 yrs

Mode: On-campus or off-campus

Master of Applied Science (MAppSc) by research

FT: minimum 1.5 yrs - maximum 2 yrs

PT: minimum 1.5 yrs - maximum 4 yrs

Mode: On-campus or off-campus

Area of study	Course code
Behavioural Science	SC035
Biomedical Sciences	SC043
Communication Sciences and Disorders	SC052
Education	SC117
Exercise and Sport Science	SC120
Gerontology	SCI 18
Health Information Management	SC011

3. Admission and course information

Indigenous Community Health	SC068
Medical Radiation Sciences	SC045
Occupational Therapy	SC008
Orthoptics	SC032
Physiotherapy	SC025
Rehabilitation Counselling	SC023

Master of Applied Science (MAppSc) generic award SC108

FT: minimum 1.5 yrs - maximum 2 yrs

PT: minimum 1.5yrs - maximum 4 yrs

Mode: On-campus or off-campus

Area of study	Course code
MAppSc	SC108

Master of Communication Disorders (MCommDis) by research

FT: minimum 1.5 yrs - maximum 2 yrs

PT: minimum 1.5 yrs - maximum 4 yrs

Mode: On-campus or off-campus

Mode	Course code
MCommDis	SC044

Master of Health Science (MHLthSc) by coursework

Area of study	Course code	Mode	Min. duration
Behavioural Science (BehSc)	SC047	FTOC	1yr
		PTOC	2 yrs
Cardiopulmonary Physiotherapy (Card-PulPhy)	SC086	FT	1yr
		PT	2 yrs
Child and Adolescent Health (ChldAdolHlth)	SC048	FTOC	1yr
		PTOC	2 yrs
Clinical Data Management (CDM)	SC097	FTOC	1yr
		PTOC	2 yrs
Developmental Disability (DD)	SCI 07	FTOC	1yr
		PTOC	2 yrs
Education (Ed)	SC066	FTOC	1yr
		PTOC	2 yrs
Exercise and Sport Science (Ex&SpSc) (no commencing students)	SC080	FT	1yr
		PT	2 yrs
Gerontology (Geront)	SC070	FTOC	1yr
		PTOC	2 yrs
Health Informatics (HlthInformatics)	SC095	FT	1yr
		PT	2 yrs
Indigenous Community Health (IndigCommHlth)	SC106	FTOC	1yr
		PTOC	2 yrs
Manipulative Physiotherapy (ManipPhy)	SC085	FT	1yr
		PT	2 yrs
Physiotherapy (Phy)	SC092	FT	1yr
		PT	2 yrs
Medical Radiation Sciences (MRS)	SC077	OC	2 yrs
Medical Sonography (MedSono)	SC076	OC	3 yrs
Neurological Physiotherapy (NeuroPhy)	SC088	FT	1yr
		PT	2 yrs

Occupational Therapy (OT)	SC074	FT	1yr
		PT	2 yrs
		PTOC	2 yrs
Paediatric Physiotherapy (PaedPhy)	SC087	FT	1yr
		PT	2 yrs
Sexual Health	SC109	FTOC	1yr
		PTOC	2 yrs
Speech and Language Pathology (SLP)	SC084	FTOC	1yr
		PTOC	2 yrs
Sports Physiotherapy (Sports Phy)	SC090	FT	1yr
		PT	2 yrs

Master of Exercise and Sport Science (MExSpSci)

Stream	Course code	Mode	Min. duration
Clinical Exercise Science	SCI29	FT	1yr
		PT	2 yrs
Sports Performance	SCI27	FT	1yr
		PT	2 yrs

Master of Health Information Management (MHIM)

Mode	Course code	Min. duration
FT	SC096	1yr
PT		2 yrs

Master of Occupational Therapy (MOT)

Mode	Course code	Min. duration
FT	SC063	2 yrs
PT		4 yrs

Master of Orthoptics (MOrth)

Mode	Course code	Min. duration
OCFT	SCI 10	2 yrs
OCPT		4 yrs

Master of Physiotherapy (MPHy)

Mode	Course code	Min. duration
FT	SCI 04	2 yrs

Master of Rehabilitation Counselling (MRehabCng)

Mode	Course code	Min. duration
FTOC	SCI 02	1.5 yrs
PTOC		3 yrs

Master of Speech Language Pathology (MSLP)

Mode	Course code	Min. duration
FT	SCI12	2 yrs
PT		4 yrs

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

Mode	Course code	Min. duration
FT	SC105	1.5 yrs
PT		3 yrs

Graduate Diploma of Health Science (GradDipHlthSc)

Area of study	Course code	Mode	Min. duration
Education (Ed)	SF046	PTOC	1.5 yrs
Exercise and Sport Science (Ex&SpSc)	SF054	FT	1yr
		PT	1.5 yrs
Indigenous Community Health (IndigCommHlth)	SF056	FTOC	1yr
		PTOC	1.5 yrs
Medical Radiation Sciences (MRS)	SF053	OC	1.5 yrs
Medical Sonography (MedSono)	SF052	OC	2 yrs
Sexual Health	SF057	FT	1yr
		FTOC	1yr
		PTOC	1.5 yr
Graduate Diploma in Communication Disorders	SF059	FT	1yr
Graduate Diploma in Rehabilitation Counselling (GradDipRehabCIng)	SF055	FTOC	1yr
		PTOC	2 yrs

Graduate Certificate of Health Science (GradCertHlthSc)

Area of study	Course code	Mode	Min. duration
Behavioural Science (BehSc)	SG010	FTOC	0.5 yr
		PTOC	1yr
Casemix (Casern) - not offered in 2006	SG027	PT	1yr
		PTOC	1yr
Child and Adolescent Health (ChldAdolHlth)	SG029	FTOC	0.5 yr
		PTOC	1yr
Clinical Data Management (CDM)	SG017	OC	1yr
Developmental Disability (DD)	SG028	FTOC	0.5 yr
		PTOC	1yr
Education (Ed)	SG032	FTOC	0.5 yr
		PTOC	1yr
Exercise and Sport Science (Ex&SpSc)	SG026	FT	0.5 yr
		PT	1yr
Indigenous Community Health (IndigCommHlth)	SG021	FTOC	0.5 yr
		PTOC	1yr
Medical Radiation Sciences (MRS)	SG024	OC	1yr
Medical Sonography (MedSono)	SG023	OC	1yr
Occupational Therapy (OT)	SG022	FT	0.5 yr
		PT	1yr
		PTOC	1yr
Sexual Health	SG030	FT	0.5 yr
		FT OC	0.5 yr
		PT OC	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)	SC078	off-shore	2 yrs
Master of Health Science (Child and Adolescent Health)	SC100	off-shore	2 yrs
Master of Health Science (Education)	SC099	off-shore	2 yrs
Master of Health Science (Gerontology)	SC103	off-shore	2 yrs

Notes to graduate courses:

FT (Full-time)

PT (Part-time)

OC (Off-campus)

FT OC (Full-time off-campus)

PT OC (Part-time off-campus)

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:

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

4. Student Administrative Information

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 website (<http://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 website (<http://www.fhs.usyd.edu.au>).

Students unable to attend the designated enrolment session may nominate a proxy to act on their behalf.

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 the Request for Commonwealth support and HECSHELP form to indicate mode of payment of the Higher Education Student 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 Student Contribution for the semester of commencement of study if the 'up-front' mode of payment is adopted, if enrolled as a Commonwealth-supported student
- (g) payment of tuition fees for each semester or completion of the Request for FEE-HELP assistance form, if enrolled in a fee paying course.
- (h) Provision of tax file number if applying for HECS-HELP or FEE-HELP.

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, will be permitted to defer enrolment for a maximum period of one year, upon written application to the Admissions Officer, University of Sydney 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 Manager, Student Administration Unit, Faculty of Health Sciences.

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

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for pre-enrolment in the following year.

Students whose enrolment is unsuccessful will be required to enrol in person (except for off-campus students) at scheduled times in mid February, and will be required to pay fees at enrolment. A notice will be sent to these students in late January.

Enrolment confirmation

All the information provided when you enrol is added to the University's student information system. 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) or course fees, any unit of study enrolment has a financial implication.

Students can vary their enrolment online via the MyUni website subject to pre and corequisite restrictions and deadline dates.

After the HECS census date in each semester all students will be sent a "Commonwealth Assistance Notice" confirming their units of study and financial liabilities. Students can also view this information via the student portal on the University's website (<http://www.usyd.edu.au>).

It is the student's responsibility to ensure that their enrolment is correct. Students should contact Student Administration Unit if they have not received the above notice within one month of the HECS census date.

Enrolment restrictions

Under the provisions of the Faculty Resolutions (2006), 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 30 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.

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 "Credit from other studies" 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 "credit from other studies" for specified units of study.
- (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 an 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 and grade.
 - (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:
 - (i) entire years in courses that progress through the successful completion of a set of prescribed units of study per year;
 - (i) a set number of credit points within a particular discipline or level (i.e. first, second or third year);
 - (iii) one or more semesters for research courses.
2. Please refer to paragraph 8 of the University of Sydney (Course-work) Rule 2000 (as amended) outlined in chapter 34, 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 postgraduate 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 judgment on a case-by-case basis;
 - (b) the provision of appropriate evidence related to existing credit transfer class actions; and
 - (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 Sci-

ence (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).
- (d) the Bachelor of Applied Science (Medical Radiation Sciences) Nuclear Medicine from the International Atomic Energy Agency Distance Assisted Training Program for Nuclear Medicine Technologists.

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 (e.g. 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 (e.g. 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 (i.e. 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 2006" leaflet available from Student Administration Unit in A Block, or from the website (http://www.fhs.usyd.edu.au/current_students/enrolment.shtml)

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 Unit.

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 first semester commencement date.

Suspension of candidature, special leave

Suspension of Candidature

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

Students wishing to return from suspension of candidature must apply to the Faculty to resume studies, and, if approved, will re-enrol in all incomplete required units, or their nearest equivalent.

Students applying for suspension of candidature must complete an "Application for suspension of candidature/discontinuation of studies" form available from Student Administration Unit, or from the website (http://www.fhs.usyd.edu.au/current_students/enrolment.shtml) and forward it to Student Administration Unit. The form may be submitted to Student Administration Unit 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. The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it.

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

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 suspension of candidature (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 suspension of candidature/discontinuation of studies" form, available from Student Administration Unit or from the website (<http://www.fhs.usyd.edu.au/study/forms.htm>).

The schedule of results to be recorded for discontinued units of study appears under the "University dates" of this handbook or at website (http://www.usyd.edu.au/fstudent/undergrad/ap-ply/scm/dates_2006.shtml).

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.

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 website (<http://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 UAL.

Postgraduate students wishing to articulate to a higher award 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 Unit.

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 Unit before proceeding overseas. A fee for administration costs will be applicable for this service, payable by the student.

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 website (<http://www.usyd.edu.au/su/studentcentre/sib/erreviews>)
- seek an application form and advice about the supporting documentation required from the Student Administration Unit;
- lodge the application with the relevant School 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 University's Academic Honesty in Coursework and Student Plagiarism: Course work Academic Honesty in Coursework (http://www.usyd.edu.au/ab/policies/Academic_Honesty_Cwk.pdf) and Plagiarism: Student Coursework - Policy and Procedures (<http://www.usyd.edu.au/senate/policies/Plagiarism.pdf>).

Disability

Candidates with a disability which puts them at a disadvantage in assessments may apply to Student Administration Unit prior to the assessment period for special provisions when the assessments are taken. It is advisable to also notify the Disability Services Officer (+61 2 9351 9081) in Student Services. Students may be required to support their request with medical evidence.

Common result grades

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.

Use of this grade is restricted to those courses which allow for a Concession Pass of some kind to be awarded.

A PCON grade may only be awarded in a unit of study where the awarding of such a grade is well-defined and transparently explained in terms of performance within that unit of study and preferably in the context of standards-referenced assessment for all grades.

If more than one PCON is awarded and/or Fail grade is awarded in another unit of study in the same semester, then the PCON grade reverts to a Fail grade.

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 i.e. 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 (e.g. Honours). Head (s) of Schools are encouraged to return UCN and not INC for students in such extended units of study. Deans are asked to avoid approving the use of UCN to deal with late results from a completed unit of study.

Students with incomplete results

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

Undergraduate Honours only

HIM - Honours First Class with University Medal, > 90 (Nominated)

HI - Honours First Class, 80-100

H21 - Honours Second Class Division 1, 75-79

H22 - Honours Second Class Division 2, 70-74

H3 - Honours Third Class, 65-69

Not awarded, 0-64

Recording of results prior to 2001

Students' results will be recorded using the following grades:

HD - High Distinction

indicates an outstanding level of achievement

D - Distinction

indicates an excellent level of achievement

CR - Credit

indicates an above average level of achievement

P-Pass

indicates an acceptable level of achievement

TP - Terminating Pass

indicates an acceptable level of achievement in an Honours unit when the student is transferring to the associated Pass program

/ - 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

ZIP - 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:

(a) **On the Web** - Results will be available progressively as they are received from schools. Via MyUni (<http://myuni.usyd.edu.au/>) and log into My Uni.

(b) **Result Notices** - Individual result notices will be mailed to the student's last recorded correspondence address. It is essential to keep your address updated with the University.

Special Notes:

Results will NOT be published on the main noticeboards, nor will any results be given over the telephone.

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 14 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 ten working days. Information on these procedures can be obtained from the Head, Student Administration Unit. 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, or the Student Counsellor (Student Services).

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 Advisers 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 Time limits and time away (http://www.usyd.edu.au/fstudent/post-grad/study/pub/pg_hb03_time.pdf)) 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 may 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 address the Show Course Committee.

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 readmission.

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 readmissions) by following the procedures set down in the University's Calendar at website (<http://www.usyd.edu.au/about/publication/pub/calendar.shtml>).

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 Unit, Faculty of Health Sciences 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.

Access to buildings after hours

Approval for after hours access to buildings must be obtained from the relevant Head of School or Centre.

Relevant University policies and procedures

Occupational health and safety policies

The University is concerned for the health and safety of students, staff and visitors, and makes every effort to prevent exposures to hazardous situations. The University has a range of occupational health and safety policies and guidelines which you can refer to for assistance. These, as well as useful links to other health and safety information sources, can be found on the University website (http://www.usyd.edu.au/risk/ohs_manual/index.shtml).

Information specific to Cumberland campus can be found on the website (<http://www.fhs.usyd.edu.au/services/index.htm#safety>).

Environmental policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use; and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program.

Cumberland transport options are outlined on last page of handbook. Enquiries can be directed to the Manager, Environmental Strategies +61 2 9351 2063, janet.broady@usyd.edu.au or go to the website (<http://www.facilities.usyd.edu.au/index.shtml>) and click on Sustainable Campus.

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 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.

5. Prizes and scholarships

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Prizes and scholarships

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

Undergraduate and postgraduate prizes and awards

Award or prize	Value	Criteria
<i>School of Applied Vision Sciences</i>		
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.
The Patricia Lance Clinical Excellence Prize	\$100	Awarded annually to the student enrolled in Clinical Studies IV or Professional Practice IV who demonstrates the greatest proficiency in professional clinical practice.
<i>School of Behavioural and Community Health Sciences</i>		
The Australian Association of Gerontology (NSW Division) Award	\$100	Awarded annually to the student enrolled in the Master of Health Science (Gerontology) course who demonstrates the greatest proficiency in the application of gerontological scholarship to professional practice, provided the work is of sufficient merit.
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 annually 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.
The Rehabilitation Counselling Association of Australasia (NSW) Dissertation Prize	\$300 comprised \$ 100 cheque & \$200 voucher for membership to RCAA for one year	Awarded annually to the student with the highest mark for a Dissertation in the Masters of Rehabilitation Counselling.
The Rehabilitation Counselling Association of Australasia (NSW) Postgraduate Prize for Outstanding Achievement in Vocational Rehabilitation	\$300 comprised \$ 100 cheque & \$200 voucher for membership to RCAA for one year	Awarded annually to the student with the highest aggregate mark for all units of Vocational Rehabilitation in the graduate Rehabilitation Counselling coursework programs.
The Rehabilitation Counselling Association of Australasia (NSW) Research Prize	\$300 comprised \$ 100 cheque & \$200 voucher for membership to RCAA for one year	Awarded annually to the student with the highest mark for an Honours Research Thesis in the Bachelor of Health Science (Rehabilitation Counselling) Honours course.
The Rehabilitation Counselling Association of Australasia (NSW) Undergraduate Prize for Outstanding Achievement in Vocational Rehabilitation	\$300 comprised \$ 100 cheque & \$200 voucher for membership to RCAA for one year	Awarded annually to the student with the highest aggregate mark for all units of Vocational Rehabilitation in the Bachelor of Health Science (Rehabilitation Counselling) Pass and Honours courses.
<i>School of Communication Sciences and Disorders</i>		
Bruce Baker, Semantic Compactions Prize	\$200 cash	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 Harcourt Assessment Prize	\$200 cash or \$400 gift certificate for products from Harcourt Assessment	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 NSW Branch of the Speech Pathology Association of Australia Prize	One year 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 Thinking Publications Award	\$250 gift certificate for products from Thinking Publications	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

5. Prizes and scholarships

The School of Communication Sciences and Disorders Hearing and Speech Award	\$100 cash	Student enrolled in the final year of a Bachelor of Health Science (Hearing and Speech) course. Graduating student. Grade average must exceed credit. Awarded for the highest grade average, calculated on performance in all units of study, in years 2 and 3 of the degree
The Vicki Reed Honours Research Thesis Prize	\$200 cash	Awarded to student enrolled in final year of Bachelor of Applied Science (Speech Pathology) course or Bachelor of Health Science (Hearing and Speech) student who has finished the Hearing and Speech Pass course and enters the Honours course at the beginning of the next year.
<i>School of Exercise and Sport Science</i>		
The Gatorade Prize	\$250	Awarded to the third year student with the highest aggregate marks in the units Biochemistry of Exercise, Exercise Physiology - Acute Responses, Exercise Physiology - Training Adaptations, Environmental Physiology 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 Biomechanical Analysis of Movement, Motor Control, Motor Control and Learning and Projects in Biomechanics 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 one year's membership of Sports Medicine Australia)
The School of Exercise and Sport Science Student Memorial Prize	\$250	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Exercise and Sport Science) course.
<i>School of Health Information Management</i>		
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.
<i>School of Medical Radiation Sciences</i>		
Academic Achievement, Year 1, Stream Award	\$ 100	Awarded to the first year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting year 1 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 1 units of study.
Academic Achievement, Year 2, Stream Award	\$ 100	Awarded to the second year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and 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 of study.
Academic Achievement, Year 3, Stream Award	\$ 100	Awarded to the third year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting year 3 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 3 units of study.
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.
<i>School of Occupation and Leisure Sciences</i>		
Anne Parkinson Memorial Award	Value of \$500 education expenses	Awarded to a continuing mature age female student who has successfully completed second or third year in the Bachelor of Applied Science (Occupational Therapy) course 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 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.
<i>School of Physiotherapy</i>		
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	\$100 plus one year's membership	Awarded to the student exhibiting the highest proficiency in Cardiopulmonary Physiotherapy in the Bachelor of Applied Science (Physiotherapy) course.
The HNA Physio Prize	\$500	Awarded to the most proficient graduate in the Master of Physiotherapy course.
The Surgical Synergies Prize for Excellence in Musculoskeletal Physiotherapy	products to value of \$200	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.
New South Wales Institute of Sport Prize	\$500	Awarded annually to the graduate with the highest aggregate mark in the Master of Health Science (Sports Physiotherapy) course.
The Physiotherapy Research Foundation Research Prize	\$ 150	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 Neurological Rehabilitation Prize	\$100 plus membership	Awarded to the student exhibiting the highest proficiency in Neurology in the third and fourth year. This award is based on academic results as well as the mark for the neurological clinical placement.
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.
<i>Yooroang Garang-School of Indigenous Health Studies</i>		
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.
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Undergraduate scholarships for continuing students

Scholarships for continuing undergraduate students

The Scholarships are valued at \$5000 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.

Honours scholarships

The Scholarships are valued at \$5000 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. The scholarships shall be awarded on the basis of merit. Faculty of Health Sciences may also award scholarships on equity. Information and application forms will be available in early November for students intending to undertake an additional Honours year at the University of Sydney in the following year.

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. Applications normally close at the beginning of April. Successful students will be notified, in writing, by the end of June.

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 website (<http://www.usyd.edu.au/fstudent/undergrad/study/shm/scholarships.shtml>).

Vacation studentships

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 scholarships are made available to assist students undertaking full-time PhD or Masters by research courses at Australian universities. Successful applicants must have a first class honours degree or equivalent. Selection is based primarily on academic merit and relevant experience, and is highly competitive.

Australian Postgraduate Awards (APAs)

Awards are available to Australian citizens / Australian permanent residents and New Zealand citizens.

The closing date for applications is 31 October of each year. Information and application forms are available from the University website (<http://www.usyd.edu.au/su/reschols/scholarships/>).

For additional information contact:

Research Training
The Research Office
Quadrangle, A14
The University of Sydney NSW 2006
Phone: +61 2 9351 3250
Fax: +612 93514812

Scholarships for International Students

See the website (<http://www.usyd.edu.au/fstudent/undergrad/study/shm/scholarships.shtml>).

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 student supervision in the School's clinical practice program.

Postgraduate research 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 +61 2 9351 9450.

6. School of Applied Vision Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 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. 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 science component 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 +61 2 9351 9250, fax +61 2 9351 9359. The School's website is located at Faculty of Health Sciences, The University of Sydney (<http://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 two of Chemistry, Physics or Biology at HSC level.

Course outline

The course outline for the Bachelor of Applied Science (Orthoptics) Pass and Honours courses are presented in Tables 6.1, 6.1.1, 6.2, and 6.2.1.

Honours program

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

Clinical education

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

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in year 2 - i.e. 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 2006 are scheduled as follows.

Year 1: During Semesters 1 and 2
Year 2: February or July
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.

Table 6.1: Bachelor of Applied Science (Orthoptics) Pass

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session	
Course code SH094: Pass course, full-time, 4 years			
Year 4 (last offered in 2006)			
Semester 1			
BACH 4047	Developing A Research Proj ect	4	Semester 1, Semester 2
BIOS 4029	Visual Science	4	A BIOS2105 Visual Neurobiology Semester 1

6. School of Applied Vision Sciences

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ORTH 4007	Ocular Motility Disorders II	4	P ORTH 3037 Ocular Motility Disorders or ORTH 3040 Instrumentation III	Semester 1
ORTH 4008	Disorders of the Visual System IV	4		Semester 1
ORTH 4009	Rehabilitation Studies II	4		Semester 1
ORTH 4010	Professional Studies	4		Semester 1, Summer
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
ORTH 4011	Research Project	4		Semester 2
or				
ORTH 4013	Professional Elective	4		Semester 2
and				
ORTH 4035	Professional Practice IVA	8	P ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2, Summer
ORTH 4036	Professional Practice IVB	8	P ORTH3053 Professional Practice III, or ORTH3051 Clinical Studies III), ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2, Summer
ORTH 4037	Professional Practice IVC	4	P ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2
<i>Semester 2 total: 24 credit points</i>				

Table 6.1.1: Bachelor of Applied Science (Orthoptics) Honours

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH034: Honours program, full-time, 4 years					
Year 4 (last offered in 2006)					
Semester 1					
BIOS 4029	Visual Science	4	A BIOS2105 Visual Neurobiology		Semester 1
ORTH 4007	Ocular Motility Disorders II	4	P ORTH 3037 Ocular Motility Disorders or ORTH 3040 Instrumentation III		Semester 1
ORTH 4008	Disorders of the Visual System IV	4			Semester 1
ORTH 4010	Professional Studies	4			Semester 1, Summer
ORTH 4031	Research Report I	4			Semester 1
ORTH 4033	Professional Practice IVH1	4	P ORTH3061 Professional Practice IIIH1 or ORTH3052 Clinical Studies IIIH		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
ORTH 4032	Research Report II	9			Semester 2
ORTH 4038	Professional Practice IVH2A	5	P (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV C ORTH4010 Professional Studies		Semester 2
ORTH 4039	Professional Practice IVH2B	5	P (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV C ORTH4010 Professional Studies		Semester 2
ORTH 4040	Professional Practice IVH2C	5	P (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV C ORTH4010 Professional Studies		Semester 2
Semester 2 total: 24 credit points					

Table 6.2: Bachelor of Applied Science (Orthoptics) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH099: Pass course, full-time, 4 years					
Year1					
Semester 1					
BACH 1130	Foundations of Health Sociology	3			Semester 2, Semester 1
BACH 1132	Foundations of Health Psychology	3			Semester 1, Semester 2
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry	Semester 1, Semester 2	
BIOS 1146	Optics	3			Semester 1
BIOS 1147	Ocular Biology I	3			Semester 1
ORTH 1042	Professional Practice 1A	3			Semester 1
ORTH 1044	Visual Processes	3			Semester 1
ORTH 1045	Introduction to Professional Practice	3			Semester 1
Semester 1 total: 25 credit points					
Semester 2					
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1130 Foundations of Health Sociology		Semester 1, Semester 2
BIOS 1127	Body Systems I	3	A BIOS 1126 Human Biology and Biochemistry		Semester 2

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
BIOS 1132	Neuroscience I	3		Semester 2, Semester 1
ORTH 1043	Professional Practice IB	3		Semester 2
ORTH 1046	Binocular Vision	4	A ORTH 1044 Visual Processes	Semester 2
ORTH 1047	Intro to Ocular Pathology and Assessment	4	A Basic ocular anatomy and physiology.	Semester 2
ORTH 1048	Clinical Optics	3	A BIOS 1146 Optics	Semester 2
Semester 2 total: 23 credit points				
Year 2				
Semester 1				
BACH 1141	Analysing Health Research: General	3	A Basic mathematics	Semester 1, Semester 2
BIOS 1141	Neuroscience II	3		Semester 1, Semester 2
BIOS 2107	Ocular Biology II	3		Semester 1
ORTH 2047	Concomitant Strabismus A	4	A ORTH 1039 Binocular Vision C ORTH2057 Instrumentation IIA	Semester 1
ORTH 2054	Professional Practice II	5	A ORTH 1044 Visual Processes P ORTH 1046 Binocular Vision	Semester 1
ORTH 2055	Cataract & Ocular Surface Involvement	3	C ORTH2057 Instrumentation IIA	Semester 1
ORTH 2057	Instrumentation IIA	3	C ORTH2047 Concomitant Strabismus A, ORTH2055 Cataract & Ocular Surface Involvement	Semester 1
Semester 1 total: 24 credit points				
Semester 2				
BACH 1148	Health, Attitudes and Interaction	3	P BACH1 132 Foundations of Health Psychology or BACH1 133 Introduction to Health Psychology	Semester 2
BACH 2134	Cognition and Neurocognitive Recovery	4	A BACH1 133 Introduction to Health Psychology, or BACH1 132 Foundations of Health Psychology.	Semester 2
BIOS 2108	Visual Neuroscience	3	A BIOS1132 Neuroscience I, BIOS1147 Ocular Biology I, BIOS2107 Ocular Biology II.	Semester 2
BIOS 2109	Body Systems II	4	P BIOS 1127 Body Systems I	Semester 2
ORTH 2043	Concomitant Strabismus B	4	A ORTH 1046 Binocular Vision P ORTH2047 Concomitant Strabismus A, ORTH2057 Instrumentation IIA C ORTH2058 Instrumentation IIB	Semester 2
ORTH 2056	Glaucoma & Ocular Emergencies	3	C ORTH2058 Instrumentation IIB	Semester 2
ORTH 2058	Instrumentation IIB	3	C ORTH2043 Concomitant Strabismus B, ORTH2056 Glaucoma and Ocular Emergencies	Semester 2
Semester 2 total: 24 credit points				
Year 3 (first offered in 2006)				
Semester 1				
ORTH 3050	Assess and Manage Refractive Errors	5	C (ORTH3062 and ORTH3063) or (ORTH3064 and ORTH3065)	Semester 1
ORTH 3062	Professional Practice IIIA	10	A ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. P ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB or, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.	Semester 1, Summer, Winter
ORTH 3063	Professional Practice IIIB	9	A ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. P ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.	Semester 1
Semester 1 total: 24 credit points				
Semester 2				
BIOS 3061	Embryology & Genetics	3	A Human Biology and Biochemistry BIOS 1126, Ocular Biology II BIOS 2107	Semester 2
BIOS 3062	Ocular Motor Systems	3	A Neuroscience II BIOS 1141	Semester 2
ORTH 3054	Orbital & Restrictive Conditions	5	A Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor. P Concomitant Strabismus A ORTH 2047 or Concomitant Strabismus B ORTH 2043 C Instrumentation III ORTH 3055	Semester 2

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
ORTH 3055	Instrumentation III	4	A Incomitant Strabismus in a variety of age populations. C Orbital and Restrictive Conditions ORTH 3054	Semester 2
ORTH 3056	Rehabilitation in Childhood	3	A Normal paediatric development, embryology.	Semester 2
ORTH 3057	Orthoptics in Paediatrics	3	A Professional Practice IIIA ORTH3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH 3064 and Professional Practice IIIBB ORTH3065	Semester 2
ORTH 3058	Orthoptics in Neurology	3	A Professional Practice IIIA ORTH 3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH3064 and Professional Practice IIIBB ORTH3065	Semester 2
Semester 2 total: 24 credit points				
Year 4 (first offered in 2007)				
Semester 1				
BACH 4047	Developing A Research Project	4		Semester 1, Semester 2
ORTH 4020	Neurological Eye Movement Disorders	5	A Anatomy and physiology of the visual pathway with emphasis on the motor pathway. P ORTH 3054 Orbital and Restrictive Conditions or ORTH 3055 Instrumentation III.	Semester 1
ORTH 4021	Orthoptics in Adult Practice		NB: *** No info available for 2006. ***	
ORTH 4022	Orthoptics in Ophthalmic Practice		NB: *** No info available for 2006. ***	
ORTH 4023	Professional Studies		NB: *** No info available for 2006. ***	
ORTH 4024	Rehabilitation for Vision Impairment		NB: *** No info available for 2006. ***	
Semester 1 total: 25 credit points				
Semester 2				
ORTH 4026	Clinical Project		NB: *** No info available for 2006. ***	
ORTH 4035	Professional Practice IVA	8	P ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2, Summer
ORTH 4036	Professional Practice IVB	8	P ORTH3053 Professional Practice III, or ORTH3051 Clinical Studies III), ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2, Summer
ORTH 4037	Professional Practice IVC	4	P ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.	Semester 2
Semester 2 total: 23 credit points				

Table 6.2.1: Bachelor of Applied Science (Orthoptics) (Honours)

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
Course code SHI 19: Honours program, full-time, 4 years				
Years 1 and 2				
As per Pass course				
Year 3 (first offered in 2006)				
Semester 1				
BACH 4047	Developing A Research Project	4		Semester 1, Semester 2
ORTH 3050	Assess and Manage Refractive Errors	5	C (ORTH3062 and ORTH3063) or (ORTH3064 and ORTH3065)	Semester 1
ORTH 3064	Professional Practice IIIHA	8	A ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies P ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH 2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.	Semester 1
ORTH 3065	Professional Practice IIIHB	6	A ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies P ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH 2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.	Semester 1
Semester 1 total: 23 credit points				
Semester 2				
BIOS 3061	Embryology & Genetics	3	A Human Biology and Biochemistry BIOS 1126, Ocular Biology II BIOS 2107	Semester 2
BIOS 3062	Ocular Motor Systems	3	A Neuroscience II BIOS 1141	Semester 2

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
ORTH 3054	Orbital & Restrictive Conditions	5	A Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor. P Concomitant Strabismus A ORTH 2047 or Concomitant Strabismus B ORTH 2043 C Instrumentation III ORTH 3055	Semester 2
ORTH 3055	Instrumentation III	4	A Incomitant Strabismus in a variety of age populations. C Orbital and Restrictive Conditions ORTH 3054	Semester 2
ORTH 3057	Orthoptics in Paediatrics	3	A Professional Practice IIIA ORTH3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH 3064 and Professional Practice IIIBB ORTH3065	Semester 2
ORTH 3058	Orthoptics in Neurology	3	A Professional Practice IIIA ORTH 3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH3064 and Professional Practice IIIBB ORTH3065	Semester 2
ORTH 3059	Research Proposal	4	A Research knowledge and skills introduced by the subject Developing a Research Project BACH 4047 (25446/25446X)	Semester 2
Semester 2 total: 25 credit points				
Year 4 (first offered in 2007)				
Semester 1				
ORTH 4020	Neurological Eye Movement Disorders	5	A Anatomy and physiology of the visual pathway with emphasis on the motor pathway. P ORTH 3054 Orbital and Restrictive Conditions or ORTH 3055 Instrumentation III.	Semester 1
ORTH 4021	Orthoptics in Adult Practice		NB: *** No info available for 2006. ***	
ORTH 4022	Orthoptics in Ophthalmic Practice		NB: *** No info available for 2006. ***	
ORTH 4023	Professional Studies		NB: *** No info available for 2006. ***	
ORTH 4027	Professional Practice IVHA		NB: *** No info available for 2006. ***	
ORTH 4028	Research Report A		NB: *** No info available for 2006. ***	
Semester 1 total: 24 credit points				
Semester 2				
ORTH 4030	Research Report B		NB: *** No info available for 2006. ***	
ORTH 4044	Professional Practice IVHBA		NB: *** No info available for 2006. ***	
ORTH 4045	Professional Practice IVHBB		NB: *** No info available for 2006. ***	
ORTH 4046	Professional Practice IVHBC		NB: *** No info available for 2006. ***	
Semester 2 total: 24 credit points				

Units of study

BACH 1031 Clients, Practitioners and Organisations

3 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B A. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **Classes:** 13 Lectures, 13 Seminars. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology. **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.

Textbooks
Book of readings

BACH 1130 Foundations of Health Sociology

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B B Hlth Sc (Hons), B. Mr Ian Andrews, Ms Ann Hale. **Session:** Semester 2, Semester 1. **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, individu-

alistic 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 Health Psychology

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O. Ms Karen Pepper. **Session:** Semester 1, 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 1141 Analysing Health Research: General

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Karen Pepper. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

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

ferential statistics, and will conclude with a discussion of the structure of research reports and critical literature appraisal.

BACH 1148 Health, Attitudes and Interaction

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O H, UG Study Abroad Program. Dr.Gomathi Sithartan. **Session:** Semester 2. **Prerequisites:** BACH 1132 Foundations of Health Psychology or BACH1133 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 2134 Cognition and Neurocognitive Recovery

4 credit points. B App Sc (Orth), B App Sc (Orth), B B Hlth Sc, UG Study Abroad Program. Mairwen Jones. **Session:** Semester 2. **Assumed Knowledge:** BACH1133 Introduction to Health Psychology, or BACH1132 Foundations of Health Psychology. **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

4 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B App Sc (Orth), B App Sc (Orth)Hons, B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr. Kaye Brock. **Session:** Semester 1, Semester 2. **Classes:** On campus Mondays 5-8 pm in Semester 1. Also available off campus mode in Semester 1 or 2. 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 1126 Human Biology and Biochemistry

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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 1127 Body Systems I

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B B Hlth Sc, Misc, UG Study Abroad Program. Dr Jennifer Lingard. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1126 Human Biology and Biochemistry. **Assessment:** Mid Semester Exam and End Semester Exam.

This unit builds on the foundation studies of BIOS 1126 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

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 2, 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 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 1141 Neuroscience II

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Study Abroad Program. Dr Ros Bohringer. **Session:** Semester 1, 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 1146 Optics

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Dr Fazlul Huq. **Session:** 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
Elkington AK, Frank HJ. Clinical Optics, Blackwell Scientific Publications, Oxford, 1981

BIOS 1147 Ocular Biology I

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Dr Ponnambalam Sivanandasingham. **Session:** 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 (Maiden, Mass: Blackwell Science, 1998)

BIOS 2107 Ocular Biology II

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 1. **Assessment:** Mid Semester Exam and End Semester Exam.

This unit follows on from BIOS 1127 Body Systems I. 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 2108 Visual Neuroscience

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Dr Svetlana Warton. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1132 Neuroscience I, BIOS1147 Ocular Biology I, BIOS2107 Ocular Biology II.

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 2109 Body Systems II

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Dr Jennifer Lingard. **Session:** Semester 2. **Classes:** On campus lectures and tutorials. **Prerequisites:** BIOS 1127 Body Systems I. **Assessment:** Mid semester exam and end of semester exam.

This unit follows on from BIOS1127 Body Systems I. 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 amplifying relevance to clinical practice, together with CD-ROM and Web-based material.

BIOS 3061 Embryology & Genetics

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Human Biology and Biochemistry BIOS 1126, Ocular Biology II BIOS 2107.

An introduction to embryology and genetics, with particular reference to the structures of the head, orbit and eye.

BIOS 3062 Ocular Motor Systems

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Neuroscience II BIOS 1141. Neuroanatomy, physiology and plasticity of the ocular motor system.

BIOS 4029 Visual Science

4 credit points. B App Sc (Orth), B App Sc (Orth)Hons, UG Study Abroad Program. Alan Freeman. **Session:** Semester 1. **Assumed Knowledge:** BIOS2105 Visual Neurobiology.

In this unit, basic neurology and neuro-ophthalmology are 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 1A

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 1.

Students will be introduced to clinical experience and the role of health professional. Sessions will allow for development of a preliminary level of competence in basic vision testing techniques. These sessions will parallel the academic content of ORTH 1044 Visual Processes. 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

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** 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 ORTH 1046 Binocular Vision. Students will also complete a limited number of days of clinical experience, which will include Briefing and Debriefing sessions.

ORTH 1044 Visual Processes

3 credit points. B App Sc (Orth), B App Sc (Orth), B Hlth Sc (Rehab Clnng), B Hlth Sc (Rehab Clnng) Hons, UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 1. **Assessment:** Mid semester 1 hour class test, 30%; end of semester 2 hour exam, 70%.

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

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** 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 responsibilities of health professionals, especially those they will need to practice whilst gaining clinical experience.

ORTH 1046 Binocular Vision

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 2. **Assumed Knowledge:** ORTH 1044 Visual Processes. **Assessment:** Mid semester class test, 1 hour exam; end of semester, 2 hour exam.

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 synkinesis. Factors determining misalignment of the visual axes, and the assessment and management of sensory sequelae are also introduced.

Textbooks

No specific textbooks, a manual will be available.

ORTH 1047 Intro to Ocular Pathology and Assessment

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** 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 disorders 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 control and asepsis. This unit will also introduce the broader areas of medical disease and medical classification.

ORTH 1048 Clinical Optics

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1146 Optics. **Assessment:** Mid semester, 1 hour class test, 30%; End of semester, 2 hour exam, 70%.

This unit will extend the knowledge base gained in BIOS 1146 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

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Mrs Neryla Jolly. **Session:** Semester 2. **Assumed Knowledge:** ORTH1046 Binocular Vision. **Prerequisites:** ORTH2047 Concomitant Strabismus A, ORTH2057 Instrumentation IIA. **Corequisites:** ORTH2058 Instrumentation IIB. **Assessment:** Class test, 30%; written exam, 70%.

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.

Textbooks

Anson & Davis

ORTH 2047 Concomitant Strabismus A

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Mrs Neryla Jolly. **Session:** Semester 1. **Assumed Knowledge:** ORTH1039 Binocular Vision. **Corequisites:** ORTH2057 Instrumentation IIA. **Assessment:** Class test, 25%; exercise, 5%; written exam, 70%.

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.

Textbooks

Anson & Davis

ORTH 2054 Professional Practice II

5 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. Mrs Sue Silveira. **Session:** Semester 1. **Assumed Knowledge:** ORTH1044 Visual Processes. **Prerequisites:** ORTH1046 Binocular Vision.

Students will complete a clinical placement (approx 2 -3 weeks) during the pre-Semester 1 period, i.e. 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.

Textbooks
Anson & Davis

ORTH 2055 Cataract & Ocular Surface Involvement

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** ORTH2057 Instrumentation IIA.

The clinical presentation of ocular surface disorders, such as the watery and dry eye, will be studied including special investigative procedures and treatment options. An introduction to contact lenses and the cornea will be studied. This includes preliminary considerations of the patient requiring contact lenses, types of contact lenses, patient instruction and after care of the contact lens patient. The cataract module in this unit will be taught from the perspective of the role of the orthoptist in the diagnosis and management of this common ocular disorder. Content will include lens anatomy, lens developmental anomalies, diagnostic tests, surgery and pre and post operative patient education.

ORTH 2056 Glaucoma & Ocular Emergencies

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 2. **Corequisites:** ORTH2058 Instrumentation IIB.

Glaucoma and related pharmacology, automated perimetry, ocular emergencies and red eye. In this unit automated perimetry is studied with emphasis on understanding the variability of the results and interpretation of normal from abnormal fields. This is then applied to the study of glaucoma. Here this unit examines a wide range of diagnostic techniques and emerging research related to the diagnosis of glaucoma. Case studies outlining each aspect of the course will be used. Conditions that constitute an ocular emergency and how to manage them will be presented in this learning module. Key areas will include blunt trauma, sharp trauma, chemical burns, sudden loss of vision. OHS, medico-legal and ethical issues will also be discussed. Learning in this module will be supported by case studies.

ORTH 2057 Instrumentation IIA

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** ORTH2047 Concomitant Strabismus A, ORTH2055 Cataract & Ocular Surface Involvement.

This practical base supports the theoretical material delivered in both ORTH 2047 Concomitant Strabismus A and ORTH 2055 Cataract & Ocular Surface Involvement. Topics to be covered include biomicroscopy of the anterior segment, keratometry, contact lenses, accommodative deviations and convergence insufficiency treatment.

ORTH 2058 Instrumentation IIB

3 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 2. **Corequisites:** ORTH2043 Concomitant Strabismus B, ORTH2056 Glaucoma and Ocular Emergencies.

This practical base supports the theoretical material delivered in both ORTH2043 Concomitant Strabismus B and ORTH2056 Glaucoma and Ocular Emergencies. Topics to be covered include applanation tonometry, visual field testing (Bjerrums, Humphrey), ophthalmoscopy, visuscopy, investigation of binocular vision, investigation and management of non accommodative concomitant deviations.

ORTH 3050 Assess and Manage Refractive Errors

5 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** (ORTH3062 and ORTH3063) or (ORTH3064 and ORTH3065).

This unit will extend preliminary knowledge of refractive errors to include more complex refractive error topics such as understanding latent and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction as well as A scan ultrasonography. Correction of refractive errors by both optical and surgical methods will also be a focus of this unit. Aspects of optical dispensing, fitting of contact lenses and surgical correction of refractive errors will be included.

ORTH 3054 Orbital & Restrictive Conditions

5 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor. **Prerequisites:** Concomitant Strabismus A ORTH 2047 or Concomitant Strabismus B ORTH 2043. **Corequisites:** Instrumentation III ORTH 3055.

The clinical features of recent onset defects of each extraocular muscle will be studied, including the response to clinical tests. The

causes, special investigation and management of restrictive/mechanical and orbital defects will be emphasised.

ORTH 3055 Instrumentation III

4 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Incomitant Strabismus in a variety of age populations. **Corequisites:** Orbital and Restrictive Conditions ORTH 3054.

The instrumentation techniques for the investigation and management of incomitant strabismus will be taught and practiced in tutorial groups.

ORTH 3056 Rehabilitation in Childhood

3 credit points. B App Sc (Orth), B App Sc (Orth). **Session:** Semester 2. **Assumed Knowledge:** Normal paediatric development, embryology.

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 3057 Orthoptics in Paediatrics

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Professional Practice IIIA ORTH3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH 3064 and Professional Practice IIIBB ORTH3065.

This unit explores testing procedures for the paediatric population with emphasis on their relationship to visual development and vision 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 3058 Orthoptics in Neurology

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Professional Practice IIIA ORTH 3062 and Professional Practice IIIB ORTH3063; or Professional Practice IIIHA ORTH3064 and Professional Practice IIIBB ORTH3065.

This unit of study will consider the principles of neurological investigation including history taking, visual acuity assessment, visual field testing principles (confrontation, Bjerrum, Goldmann, pitfalls of automated perimetry for neurological field defects and colour fields), pupils, colour vision tests, laboratory testing of afferent pathways, radiological imaging, electrodiagnostic testing and the efferent testing of non ocular cranial nerves and states of consciousness. A range of disorders affecting the optic nerve will be studied. Other conditions to be studied include headaches, disorders of the facial nerves and transient visual loss.

ORTH 3059 Research Proposal

4 credit points. B App Sc (Orth)Hons. **Session:** Semester 2. **Assumed Knowledge:** Research knowledge and skills introduced by the subject Developing a Research Project BACH 4047 (25446/25446X).

Through the semester the student will develop their specific research question underpinned by a thorough analysis in the form of a literature review, including appropriate research design, an examination of the implications of the proposed research, and the submission of an application for approval to the appropriate University Ethics Committee.

ORTH 3062 Professional Practice IIIA

10 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Summer, Winter. **Assumed Knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB or ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.

Students will gain clinical experience in the investigation and management of concomitant strabismus. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical co-ordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3063 Professional Practice IIIB

9 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B.

Students will gain clinical experience in the investigation and management of cataract and glaucoma and other ophthalmic skills. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical co-ordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3064 Professional Practice IIIHA

8 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH 2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B. Students will gain clinical experience in the investigation and management of concomitant strabismus. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical co-ordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3065 Professional Practice IIIHB

6 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies. **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH 2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B. Students will gain clinical experience in the investigation and management of cataract and glaucoma and other ophthalmic skills. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical co-ordinator 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

4 credit points. B App Sc (Orth), B App Sc (Orth)Hons, UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 1. **Prerequisites:** ORTH 3037 Ocular Motility Disorders or ORTH 3040 Instrumentation III. **Assessment:** Mid semester 1 hour class test, 30%; end of semester 2 hour exam, 70%. 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

4 credit points. B App Sc (Orth), B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. This unit complements ORTH4007 Ocular Motility Disorders II in the study of neuro-ophthalmology and neurological visual field loss. The ageing eye and the ocular pathology of ageing are also studied.

ORTH 4009 Rehabilitation Studies II

4 credit points. B App Sc (Orth), Health Sciences UG Non-Award, UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 1. **Assessment:** Seminar presentation 50%, case study 50%. 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

4 credit points. B App Sc (Orth), B App Sc (Orth)Hons, UG Study Abroad Program, UG Summer/Winter School. Mrs Neryla Jolly. **Session:** Semester 1, Summer. **Assessment:** Class test 40%, oral exam 60%. Special issues relating to professional practice are discussed, covering complex case studies, medico-legal issues, ethics and occupational health.

ORTH 4011 Research Project

4 credit points. B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 2. Students carry out a guided research project relevant to orthoptic practice.

ORTH 4013 Professional Elective

4 credit points. B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Assessment by contract. Students will carry out a guided theoretical and clinical elective study in an area of professional interest.

ORTH 4031 Research Report I

4 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. This unit will provide the student with the opportunity to begin writing their final research report. Students will attend individual meetings with their supervisor, as well as group research meetings.

ORTH 4032 Research Report II

9 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 2. This unit will provide the student with to opportunity to continue writing their final research report. Students will attend individual meetings with their supervisor as well as group research meetings. The findings from the honours research project will be presented in

a research report in a form suitable for submission for publication in a refereed journal.

ORTH 4033 Professional Practice IVH1

4 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ORTH3061 Professional Practice IIIH1 or ORTH3052 Clinical Studies IIIB.

This unit of study will provide honours students with the opportunity to carry out activities relevant to their area of research, eg in the clinical environment. These placements provide the clinical experiences that consolidate the Year 3 Semester 2 and Year 4 Semester 1 theoretical units and provide an opportunity to integrate all components of the course. Honours students will develop their professional and/or clinical skills through the acquisition of data, either on campus or through specialised clinical/fieldwork placements during semester 1. They will be required to attend on-campus sessions where case studies will be reviewed and professional practice issues discussed.

ORTH 4035 Professional Practice IVA

8 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Prerequisites:** ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.

This unit provides the clinical experiences that consolidate the Year 3 Semester 2 and Year 4 Semester 1 theoretical studies, as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and management of complex strabismus.

ORTH 4036 Professional Practice IVB

8 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Prerequisites:** ORTH3053 Professional Practice III, or ORTH3051 Clinical Studies III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.

This unit provides the clinical experiences that consolidate the Year 3 Semester 2 and Year 4 Semester 1 theoretical studies, as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

ORTH 4037 Professional Practice IVC

4 credit points. B App Sc (Orth), B App Sc (Orth), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ORTH3053 Professional Practice III, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV, ORTH4010 Professional Studies.

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.

ORTH 4038 Professional Practice IVH2A

5 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV. **Corequisites:** ORTH4010 Professional Studies.

This unit provides the clinical experiences that consolidate the Year 3 Semester 2 and Year 4 Semester 1 theoretical studies, as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and management of complex strabismus.

ORTH 4039 Professional Practice IVH2B

5 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV. **Corequisites:** ORTH4010 Professional Studies.

This unit provides the clinical experiences that consolidate the Year 3 Semester 2 and Year 4 Semester 1 theoretical studies, as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

ORTH 4040 Professional Practice IVH2C

5 credit points. B App Sc (Orth)Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** (ORTH3061 Professional Practice IIIH1, ORTH3037 Ocular Motility Disorders I, ORTH4007 Ocular Motility Disorders II, ORTH3040 Instrumentation III, ORTH4008 Disorders of the Visual System IV. **Corequisites:** ORTH4010 Professional Studies.

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.

7. School of Behavioural and Community Health Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 provides 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 outline

The course outlines for the Bachelor of Behavioural Health Science Pass and Honours courses are presented in Table 7.1, 7.2, 7.2.1, 7.3 and 7.3.1.

Honours program

For specific information related to the Bachelor of Behavioural Health Science Honours Program, students are advised to contact the School of Behavioural and Community Health Sciences.

Table 7.1 Bachelor of Behavioural Health Science (Honours)

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session	
Course code SH101: Honours program; full-time, 4 years			
Honours program			
Year 4 (last offered in 2006)			
Semester 1			
BACH 4076	Research Project 1	14	Semester 1
Research elective 6 (see note 1 below)			
Honours electives 4 (see note 2 below)			
Semester 1 total: 24 credit points			
Semester 2			
BACH 4077	Research Project 2	20	Semester 2

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Honours electives 4 (see note 2 below)		
Semester 2 total: 24 credit points		

Notes to Table 7.1

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Notes to Table 7.1		
1. Research electives (6 credit points each)		
BACH 4055 Intermediate Statistics	6	Semester 1
BACH 4056 Qualitative Research Methods	6	Semester 1
BACH 4057 Survey Research Methods	6	Semester 2
2. Honours electives (offered subject to minimum enrolment) (4 credit points each)		
BACH 4058 Abnormal Psychology and Mental Health	4	Semester 1, Semester 2
BACH 4059 Addictive Behaviours	4	Semester 2
BACH 4060 Cognitive Function in Neuro Disorders	4 A BACH2128 Cognition and Cognitive Impairment C BACH3098 Psychosocial Well-being in Older Adults	Semester 1
BACH 4061 Organisational Psychology	4 A Psychology background	Semester 1
BACH 4062 Stress and Coping	4	Semester 1
BACH 4063 Stress and Disability	4	Semester 1, Semester 2
BACH 4064 Disability & the Community	4	Semester 1, Semester 2
BACH 4065 Ethnic Minorities & Health Care in Aust	4	Semester 2, Semester 1
BACH 4066 Health and Cultural Pluralism	4	Semester 1, Semester 2
BACH 4067 Occupational Health and Stress	4	Semester 2
BACH 4068 Organisational Structures: Hlth Contexts	4	Semester 2

Table 7.2: Bachelor of Behavioural Health Science (Pass)

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
course code SH102: Pass course; full-time, 3 years		
Year 2 (last offered in 2006)		
Semester 1		
BACH 2038 Health and Social Theory	6 P BACH 1134 Health, Illness and Social Inquiry	Semester 1
BACH 2138 Psych. Disorders & their Treatment	5	Semester 1
BACH 2135 Communication & Conflict Management	3 P BACH 1133 Introduction to Health Psychology	Semester 1
BACH 2136 Community Action	6	Semester 2, Semester 1
BIOS 2095 Body Functions	4 NB: Department permission required for enrolment.	Semester 1, Semester 2
Semester 1 total: 24 credit points		
Semester 2		
BACH 2039 Organisational Studies	6 A BACH1133 Introduction to Health Psychology	Semester 1, Semester 2
BACH 2137 Health Policy Development	6	Semester 2
Select TWO of the following units (3 credit points each) (see note 1 below)		

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
BACH 3086 Lifespan Psychology and the Family	3						Semester 2, Semester 1
BACH 3089 Brain and Cognition	3	A BACH2128 Cognition and Cognitive Impairment NB: Department permission required for enrolment.					Semester 2
BACH 3090 Psychology of Motor Behaviour	3	NB: Department permission required for enrolment.					Semester 2
Elective Studies 6 (see notes below)							
<i>Semester 2 total: 24 credit points</i>							
Year 3 (last offered in 2007)							
Semester 1							
AHCD 3017 Health Promotion	6						Semester 1
BACH 3121 Counselling	3		P Introduction to Health Psychology BACH1 133 (251A5) and Behaviour Therapy (or equivalent)				Semester 1
BACH 3122 Psychosocial Aspects of Ageing	6		P BACH 1161 Introductory Behavioural Health Sciences				Semester 1
BACH 3123 Professionals & the Workplace I	3						Semester 1
HIMT 3041 Human Resource Management	3	NB: Department permission required for enrolment.					Semester 1
Select ONE of the following units (3 credit points each) (see notes below)							
BACH 3094 Health, Policy and Service Delivery	3		P Introduction to Health Sociology BACH1029 (25111)				Semester 1
BACH 3118 Social Dimensions of Biotechnology	3		P BACH1 134 Health, Illness & Social Inquiry, BACH1 130 Foundations of Health Sociology, BACH1098 Introduction to Health Sociology or BACH2038 Health & Social Theory				Semester 1
BACH 3119 Environmental Health and Safety	3						Semester 1
BACH 3120 Self, Society and Mental Health	3		P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or BACH1098 Introduction to Health Sociology				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 3075 Health Psychology	6		P BACH2129 Psychological Disorders and their Treatment				Semester 2, Semester 1
BACH 3124 Professionals & the Workplace II	6						Semester 2
Select ONE of the following units (6 credit points each) (see notes below)							
BACH 3125 Evaluation for Health Settings	6						Semester 2
BACH 3126 Research Project Development	6						Semester 2
BACH 3127 History & Philosophy of Science	6						Semester 2
Select ONE of the following units (6 credit points each) (see notes below)							
AHCD 3016 Writing a Research Proposal	6		P AHCD2022 Introduction to Health Research				Semester 2
BACH 3128 Health and Globalisation	6						Semester 2
BACH 3129 Sociology of Alternative Healing Systems	6		P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or Introduction to Health Sociology				Semester 2
BACH 3130 Sport, Society & Social Theory	6		P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or Introduction to Health Sociology N BACH3081 Sociology of Sport.				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Notes to Table 7.2							
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.							

Table 7.2.1: Bachelor of Behavioural Health Science (Honours)

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A:</i>	<i>Assumed</i>	<i>knowledge</i>	<i>P:</i>	<i>Prerequisites</i>	<i>Q:</i>	<i>Qualifying</i>	<i>C:</i>	<i>Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>	
Honours course; full-time 4 years															
Years 2 to 3															
As per Pass course															
Year 4 (first offered in 2007)															
Semester 1															
AHCD 4052	Honours Workshop			6	A This unit is available only to students admitted to the honours program.									Semester 1	
Honours Elective 4 (see notes 1 and 2 below)															
BACH 4078	Research Projec				NB: *** No info available for 2006. ***										
Research Support Elective 6 (see notes 1 and 2 below)															
Semester 1 total: 24 credit points															
Semester 2															
BACH 4079	Research Projec				NB: *** No info available for 2006. ***										
BACH 4080	Research	Thesis	Supp	NB:	*	*	*	No	info	available	for	2006.	*	*	*
Honours Elective 4 (see note 4 below)															
Semester 2 total: 24 credit points															

Notes to Table 7.2.1

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	Intermediate Statistics		6					Semester 1
BACH 4056	Qualitative Research Methods		6					Semester 1
BACH 4057	Survey Research Methods		6					Semester 2
4. Honours Electives								
BACH 3146	Cyberpsychology and e-Health		6	NB: Limited to 60 Students				Semester 1, Semester 2
BACH 4058	Abnormal Psychology and Mental Health		4					Semester 1, Semester 2
BACH 4059	Addictive Behaviours		4					Semester 2
BACH 4060	Cognitive Function in Neuro Disorders		4	A BACH2128 Cognition and Cognitive Impairment C BACH3098 Psychosocial Well-being in Older Adults				Semester 1
BACH 4061	Organisational Psychology		4	A Psychology background				Semester 1
BACH 4062	Stress and Coping		4					Semester 1
BACH 4063	Stress and Disability		4					Semester 1, Semester 2
BACH 4064	Disability & the Community		4					Semester 1, Semester 2
BACH 4065	Ethnic Minorities & Health Care in Aust		4					Semester 2, Semester 1
BACH 4066	Health and Cultural Pluralism		4					Semester 1, Semester 2
BACH 4067	Occupational Health and Stress		4					Semester 2
BACH 4068	Organisational Structures: Hlth Contexts		4					Semester 2

Table 7.3: Bachelor of Behavioural Health Science (Pass)

<i>Unit</i>	<i>of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
course code SH102: Pass course; full-time, 3 years								

Unit of Study			CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition				Session
Year 1 (first offered in 2006)							
Semester 1							
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology				Semester 2, Semester 1
BACH 1162	Environments, Health and Society	6					Semester 1
BIOS 1134	Basic Sciences for Health Studies	6	C BIOS 1161 Biochemistry and Human Biology or BIOS 1126 Human Biology and Biochemistry				Semester 1
BIOS 1161	Biochemistry and Human Biology	6					Semester 1
Semester 1 total: 24 credit points							
Semester 2							
BACH 1163	Professional Practice and Communication	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1, Semester 2
BACH 1164	Human Behaviour and Behaviour Change	6	P BACH 1161 Introductory Behavioural Health Sciences				Semester 2
BIOS 1162	Microbiology and Biotechnology (Intro)	6					Semester 2
BIOS 1155	Structure, Function and Disease A	6	P BIOS 1161 Biochemistry and Human Biology				Semester 2, Semester 1
Semester 2 total: 24 credit points							
Year 2 (first offered in 2007)							
Semester 1							
BACH 2038	Health and Social Theory	6	P BACH1134 Health, Illness and Social Inquiry				Semester 1
BACH 2039	Organisational Studies	6	A BACH1133 Introduction to Health Psychology				Semester 1, Semester 2
BACH 2140	Research Methods for Health Sciences	6					Semester 1
BACH 3144	Psychology and Mental Health	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1
Semester 1 total: 24 credit points							
Semester 2							
AHCD 3019	Indigenous Australian Health	6					Semester 2
BACH 2136	Community Action	6					Semester 2, Semester 1
BACH 1151	Practitioners, Clients and Organisations	6					Semester 2
BACH 3143	Counselling Skills	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent), BACH 1164 Human Behaviour and Behaviour Change (or equivalent)				Semester 1
Semester 2 total: 24 credit points							
Year 3 (first offered in 2008)							
Semester 1							
BACH 3075	Health Psychology	6	P BACH2129 Psychological Disorders and their Treatment				Semester 2, Semester 1
BACH 3122	Psychosocial Aspects of Ageing	6	P BACH 1161 Introductory Behavioural Health Sciences				Semester 1
BACH 3145	Health Policy	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1
BIOS 3063	Project Design and Management	6					Semester 1
Semester 1 total: 24 credit points							
Semester 2							
BACH 3077	Workplace Attachment	6	P BACH 1161 Introductory Behavioural Health Sciences.				Semester 2
Select ONE of the following units (6 credit points each) (see notes below)							
BACH 3125	Evaluation for Health Settings	6					Semester 2
BACH 3126	Research Project Development	6					Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
BACH 3127 History & Philosophy of Science	6						Semester 2
Select ONE of the following units (6 credit points each) (i see notes below)							
AHCD 3016 Writing a Research Proposal	6		P AHCD2022 Introduction to Health Research				Semester 2
BACH 3128 Health and Globalisation	6						Semester 2
BACH 3129 Sociology of Alternative Healing Systems	6		P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or Intro-duction to Health Sociology				Semester 2
BACH 3130 Sport, Society & Social Theory	6		P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or Intro-duction to Health Sociology NBACH3081 Sociology of Sport.				Semester 2
BACH 3146 Cyberpsychology and e-Health	6		NB: Limited to 60 Students				Semester 1, Semester 2
Elective 6 (see notes below)							
<i>Semester 2 total: 24 credit points</i>							

Notes to Table 7.3

- Electives are offered subject to staff availability and minimum enrolment.
- 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.

Table 7.3.1: Bachelor of Behavioural Health Science (Honours)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Honours course; full-time 4 years							
Years 1 to 3							
as per Pass course							
Year 4							
Semester 1 (first offered in 2009)							
AHCD 4052 Honours Workshop	6		A This unit is available only to students admitted to the honours program.				Semester 1
BACH 4082 Research ProjectData Collect			NB: *** No info available for 2006. ***				
Research Support Elective 6 (see note 1 below) (see note 2 below) (see note 3 below)							
General Elective 6 (see note 1 below) (see note 2 below) (see note 4 below)							
<i>semester 1 total: 24 total points</i>							
Semester 2							
BACH 4080 Research Thesis Supp			NB: *** No info available for 2006. ***				
BACH 4083 Research ProjectInterpretation [NB: *** No info available for 2006. ***				
BACH 4084 Special Investigat			NB: *** No info available for 2006. ***				

Notes to Table 7.3.1

- Electives are offered subject to staff availability and minimum enrolment.
- 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 Intermediate Statistics	6						Semester 1
BACH 4056 Qualitative Research Methods	6						Semester 1
BACH 4057 Survey Research Methods	6						Semester 2

- General Electives: Students are required to enroll in ONE 6 credit points unit of study at the level of BACH 2xxx or above which they have not completed in their pass degree. This should be negotiated with their research supervisor and the Honours Coordinator.

Bachelor of Behavioural Health Science/Master of Nursing

The Bachelor of Behavioural Health Science/Master of Nursing is a 4 year pre-registration course for students wishing to undertake a combined degree. Students are required to complete 96 credit points in the Bachelor of Behavioural Health Science. Master of Nursing units are begun in the second year of the undergraduate degree.

Students are generally expected to obtain a credit average in Year 1 to be permitted to commence study in the Master of Nursing in Year 2. Students are not permitted to enrol in Year 4 units without having completed their Bachelor of Behavioural Health Science degree.

The combined study of general health sciences with a professional qualification in nursing means that graduates have broader range of skills and knowledge. Examples include positions working in scientific, research and management positions in health-related organisations in the public and private sectors health and medical industries, in clinical and non-clinical settings such as forensic science, journalism, environmental science media and communications, in

research, government and public institutions, community organisations and the private sector.

At the conclusion of the course, students, subject to the requirements of the Nurses Act of NSW, will be eligible to apply for registration with the Nurses and Midwives Board, NSW.

Admission requirements

Candidates should refer to the Faculty of Health Sciences and Faculty of Nursing and Midwifery handbooks for admission requirements.

Prospective students should note in particular Division 5, 29A of the Nurses Act 1991 No 9 as described above.

Course outline

The course outline for the Bachelor of Behavioural Health Science/Master of Nursing course is presented in Table 7.4.

Table 7.4: Bachelor of Behavioural Health Science/Master of Nursing

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code GH017: full-time, 4 years							
Year 1 (first offered in 2006)							
Semester 1							
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology				Semester 2, Semester 1
BACH 1162	Environments, Health and Society	6					Semester 1
BIOS 1134	Basic Sciences for Health Studies	6	C BIOS 1161 Biochemistry and Human Biology or BIOS 1126 Human Biology and Biochemistry				Semester 1
BIOS 1161	Biochemistry and Human Biology	6					Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 1163	Professional Practice and Communication	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1, Semester 2
BACH 1164	Human Behaviour and Behaviour Change	6	P BACH 1161 Introductory Behavioural Health Sciences				Semester 2
BIOS 1162	Microbiology and Biotechnology (Intro)	6					Semester 2
BIOS 1155	Structure, Function and Disease A	6	P BIOS 1161 Biochemistry and Human Biology				Semester 2, Semester 1
<i>Semester 2 total: 24 credit points</i>							
Year 2 (first offered in 2007)							
Semester 1							
BACH 2038	Health and Social Theory	6	P BACH1134 Health, Illness and Social Inquiry				Semester 1
BACH 2039	Organisational Studies	6	A BACH1133 Introduction to Health Psychology				Semester 1, Semester 2
NURS 5001	Nursing Concepts: Bodies and Boundaries	6					Semester 1
NURS 5003	Observation in Nursing Practice	6					Semester 1a
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 1151	Practitioners, Clients and Organisations	6					Semester 2
BACH 3143	Counselling Skills	6	P BACH 1161 Introductory Behavioural Health Sciences (or equivalent), BACH 1164 Human Behaviour and Behaviour Change (or equivalent)				Semester 1
NURS 5002	Social Contexts of Health	6					Semester 1, Semester 2
NURS 5004	Applied Nursing Practice	6					Semester 1b, Semester 2
<i>Semester 2 total: 24 credit points</i>							

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Year 3 (first offered in 2008)								
Semester 1								
BACH 3063	Sociology & Psychology of Organisations	4	NB: Department permission required for enrolment.					Semester 1
BACH 3122	Psychosocial Aspects of Ageing	6	P BACH 1161 Introductory Behavioural Health Sciences					Semester 1
and								
Nursing units of study 12 (12 credit points)								
Semester 1 total: 24 credit points								
Semester 2								
AHCD 3019	Indigenous Australian Health	6						Semester 2
BACH 2136	Community Action	6						Semester 2, Semester 1
BACH 3125	Evaluation for Health Settings	6						Semester 2
BACH 3130	Sport, Society & Social Theory	6	P BACH1 134 Health, Illness and Social Inquiry or BACH1 130 Foundations of Health Sociology or Introduction to Health Sociology NBACH3081 Sociology of Sport.					Semester 2
BACH 3146	Cyberpsychology and e-Health	6	NB: Limited to 60 Students					Semester 1, Semester 2
and								
Nursing units of study 12 (12 credit points)								
Semester 2 total: 24 credit points								
Year 4 (first offered in 2009)								
Semester 1								
NURS 6001	Nursing Observations and Bio Parameters	6						Semester 1
NURS 6002	Maternity, Child & Adolescent Nursing I	6						Semester 1
NURS 6003	Nursing Care for Chronic Conditions	6						Semester 1
NURS 6004	Nursing and the Politics of Health Care	6						Semester 1
Semester 1 total: 24 credit points								
Semester 2								
NURS 6005	Acute Care and Nursing Practice II	6	PNURS 5008 and NURS 6001					Semester 2
NURS 6006	Mental Health Nursing Practice II	6	P NURS 5007					Semester 2
NURS 6007	Community Nursing	6						Semester 2
NURS 6008	Inquiry and Research in Nursing	6						Semester 2
Semester 2 total: 24 credit points								

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 people with problems resulting from injury, disability, and/ or social disadvantage. The aim of such programs is to enable 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.

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 outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) Pass and Honours programs are presented in Table 7.5 and Table 7.5.1.

Table 7.5: Bachelor of Health Science (Rehabilitation Counselling) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code SH085: Pass course; full-time, 4 years				
Year1				
Semester 1				
BACH 1133	Introduction to Health Psychology	6		Semester 1
BACH 1134	Health, Illness and Social Inquiry	6		Semester 1
REHB 1000	Vocational Rehabilitation IA	3		Semester 1
REHB 1002	Rehabilitation Philosophy	3		Semester 1
REHB 1008	Professional Practice IA	6		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
BACH 1153	Rehabilitation Psychology	4	A BACH1133 Introduction to Health Psychology (or equivalent)	Semester 2
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry	Semester 1, Semester 2
REHB 1001	Vocational Rehabilitation IB	3	P REHB 1000 Vocational Rehabilitation IA	Semester 2
REHB 1003	Ethical Perspectives of Rehabilitation	3		Semester 2
REHB 1007	Rehabilitation Counselling I	3		Semester 2
REHB 1009	Professional Practice IB	7		Semester 2
Semester 2 total: 24 credit points				
Year 2»				
Semester 1				
BIOS 2095	Body Functions	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
REHB 2009	Vocational Rehabilitation IIA	3		Semester 1
REHB 2019	Case Management Rehabilitation Planning	3		Semester 1
REHB 2011	Rehabilitation Counselling IIA	3	P REHB 1007 Rehabilitation Counselling I	Semester 1
REHB 2020	Politics of Disability & Rehabilitation	3		Semester 1
REHB 2021	Professional Practice IIA	5		Semester 1
REHB 2022	Legal Perspectives of Rehabilitation	3		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
BIOS 2096	Body Functions and Disease	4	A BIOS2095 Body Functions NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.	Semester 1, Semester 2
REHB 2010	Vocational Rehabilitation IIB	3	P REHB2009 Vocational Rehabilitation IIA	Semester 2
REHB 2012	Rehabilitation Counselling IIB	3	P REHB2011 Rehabilitation Counselling IIA	Semester 2
REHB 2023	Work Injury and Workers' Compensation	3		Semester 2
REHB 2024	Accident Compensation Scheme Practicum	3	P REHB2019 Case Management and Planning	Semester 2
REHB 2025	Professional Practice IIB	8		Semester 2
Semester 2 total: 24 credit points				

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Year 3					
Semester 1					
BACH 3115	Behaviour Disorders and Management	3			Semester 1
REHB 3037	Vocational Rehabilitation IIIA	3			Semester 1
REHB 3039	Avocational Rehabilitation	3			Semester 1
REHB 3042	Rehabilitation Counselling IIIA	3	P REHB2012 Rehabilitation Counselling IIB		Semester 1
REHB 3044	Medical Aspects of Disability	3			Semester 1
REHB 3049	Professional Practice IIIA	6			Semester 1
Elective 3					
Semester 1 total: 24 credit points					
Semester 2					
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
REHB 3038	Vocational Rehabilitation IIIB	3			Semester 2
REHB 3040	Psychiatric Rehabilitation	3	P REHB 1007 Rehabilitation Counselling I, REHB2011 Rehabilitation Counselling IIA, REHB2012 Rehabilitation Counselling IIB.		Semester 2
REHB 3043	Rehabilitation Counselling IIIB	3	P REHB3 042 Rehabilitation Counselling IIIA		Semester 2
REHB 3050	Professional Practice IIIB	9			Semester 2
Elective 3					
Semester 2 total: 24 credit points					
Year 4					
Semester 1					
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics		Semester 2, Semester 1
REHB 4009	Rehabilitation Counselling IV	3	P REHB3043 Rehabilitation Counselling IIIB		Semester 1
REHB 4021	Professional Practice IVA	3			Semester 1
Electives 15					
Semester 1 total: 24 credit points					
Semester 2					
REHB 4022	Professional Practice IVB	24			Semester 1, Semester 2
Semester 2 total: 24 credit points					

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

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH091: Honours; full-time, 4 year					
Years 1 and 2					
As per Pass course					
Year 3					
As per Pass course LESS electives PLUS:					
Semester 1					
BACH 4019	History and Philosophy of Science	3			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
REHB 4023	Honours Workshop	3			Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
<i>Semester 2 total: 24 credit points</i>							
Year 4 (first offered in 2006)							
Semester 1							
REHB 4009	Rehabilitation Counselling IV	3	P REHB3043 Rehabilitation Counselling IIIB				Semester 1
REHB 4019	Thesis A	7					Semester 1
REHB 4024	Professional Practice IVHA	8	P Either REHB 1006 or (REHB 1008 Professional Practice IA and REHB 1009 Professional Practice IB); either REHB2018 or (REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB); REHB3049 Professional Practice IIIA; REHB3050 Professional Practice IIIB.				Semester 1
Research Elective 3							
Elective 3							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
REHB 4025	Professional Practice IVHB	16	P Either REHB 1006 or (REHB 1008 Professional Practice IA and REHB 1009 Professional Practice IB); either REHB2018 or (REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB); REHB3049 Professional Practice IIIA; REHB3050 Professional Practice IIIB.				Semester 2
REHB 4026	Thesis B	8	PREHB4019 Thesis A				Semester 2
<i>Semester 2 total: 24 credit points</i>							

Notes to Tables 7.5 and 7.5.1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Electives Years 3 and 4							
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the Pass course students are required to complete 21 credit points of electives. Two (2) Group A units must be completed. In addition to the electives listed here electives available in the Faculty of Health Sciences are detailed in Chapter 18 of the Handbook. Students must discuss their electives with their Rehabilitation Counselling academic advisor to determine suitability prior to enrolment.							
Honours students are required to complete one (1) Group A elective and one (1) research elective in the fourth year.							

Electives

Group A

AHCD 3018	Aboriginal Studies	3					Semester 2
REHB 3051	Rehabilitation of Public Offenders	3					Semester 2, Semester 1
REHB 3052	Rehabilitation and Older People	3					Semester 2
REHB 3053	Acquired Brain Injury Rehabilitation	3					Semester 1
REHB 3054	NESB Australians: Disability and Rehab	3					Semester 1, Semester 2
REHB 3056	Rehab of Persons with Hearing Loss	3					Semester 1, Semester 2
REHB 3058	Rehab of Persons Living with HIV/AIDS	3					Semester 1, Semester 2
REHB 3059	Rehabilitation and PTSD	3					Semester 1
REHB 3060	Chronic Pain in Rehabilitation	3					Semester 1
REHB 3061	Rehabilitation and Substance Abuse	3					Semester 1

Group B

BACH 1100	Sociology of Community	3	P BACH1130 Foundations of Health Sociology or BACH1134 Health, Illness and Social Inquiry NB: Also offered in off-campus mode.				Semester 2
BACH 3132	Contemporary Issues in Health & Medicine	3					Semester 1, Semester 2
BACH 3133	Health Planning, Policy and Evaluation	3					Semester 2
BACH 3134	Computing for Health Practitioners	3	A Familiarity with Windows Operating System				Semester 1, Semester 2
BACH 3135	Occupational Health and Stress	3					Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
BACH 3136 Stress and Coping	3						Semester 1
BACH 3137 Stress and Disability	3						Semester 1, Semester 2
BACH 3138 Lifespan Psychology and the Family	3						Semester 1, Semester 2
BACH 3139 Alternative Medicine	3						Semester 2
BACH 3141 Behavior Modification/ Cognitive Therapy	3						Semester 2, Semester 1
BACH 3142 Leisure, Recreation and Disability	3		P REHB3039 Avocational Rehabilitation				Semester 2
BACH 3146 Cyberpsychology and e-Health	6		NB: Limited to 60 Students				Semester 1, Semester 2
BIOS 4035 Sexuality for Health Professionals	3		NB: This elective is only available to students in Year 2 or higher.				Semester 2, Semester 1
EXSS 3018 Management, Marketing and the Law	4		NB: Department permission required for enrolment.				Semester 2
HIMT 3041 Human Resource Management	3		NB: Department permission required for enrolment.				Semester 1
ORTH 1044 Visual Processes	3						Semester 1
Research Electives							
BACH 4020 Action Research	3						Semester 1
BACH 4045 Qualitative Research Methods	3						Semester 2
BACH 1145 Quantitative Health and Social Research	3		A Basic mathematics				Semester 2, Semester 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 essential that at least one placement be supervised by a practising/qualified rehabilitation counsellor in a vocational setting.

All students are required to complete 1000 hours of supervised field practice over the four year program in the Professional Practice units. This includes block field placements to be undertaken during the inter-semester breaks in Years 1, 2 and 3, and during semester 2 in Year 4.

Fieldwork placements will normally occur during the working hours of professional rehabilitation counsellors - generally 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 Rehabilitation Counselling 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 telephone +61 2 9351 9329 or +61 2 9351 9573.

Field placement dates

Bachelor of Health Science (Rehabilitation Counselling)

Year1

118 hours of professional practice during semester 1. One four week (140 hours) block placement during the end of year semester recess period.

Year 2

One five week (175 hours) block placement during the inter-semester period.

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.

Units of study

Behavioural and Community Health Sciences

AHCD 3016 Writing a Research Proposal

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth & Comm Dev) Hons, B Hlth Sc (Aborig Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** AHCD2022 Introduction to Health Research. **Assessment:** In class assessment and written assignment.

The aim of this unit of study is to focus on the writing of the Honours Research Proposal. This unit of study will assist the students to develop their ideas into a set of research questions, review relevant literature, define the methodology and prepare their Honours research proposal.

AHCD 3017 Health Promotion

6 credit points. B B Hlth Sc, B Hlth Sc. Freidoon Khavarpour. **Session:** Semester 1. **Classes:** Distance Mode package and limited face to face teaching. **Assessment:** Response to two sets of descriptive and analytical questions (20%); Writing a report on a Programme/Project/Service provision in health promotion (30%); Design and Evaluate a health promotion initiative (50%).

This unit of study introduces you to the concept and principles of health promotion and provides you with a framework for developing health promotion initiatives in your professional capacity as allied health practitioner. The unit is structured around three modules: The Concept and Meaning of Health; Health Promotion Practice and; Designing & Evaluating Health Promotion Initiative.

Textbooks

Reading will be provided in the Distance Mode package

BACH 1161 Introductory Behavioural Health Sciences

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS)Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 4 Hours/week. **Prohibitions:** BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology. **Assessment:** Class Exercise, 17.5%, Mid semester assignment: 25%, End of semester examinations 57.5%.

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing, as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology, and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet, and exercise adherence.

Specifically, the sociology component of the unit will examine 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 wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exer-

cise and fitness, health promotion, psychological changes across the lifespan).

Textbooks

TBA

BACH 1162 Environments, Health and Society

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 Hours/week.

Assessment: End of semester exam, 50%; Essay, 25%; group project presentation 25%. This unit explores understandings and practices related to a range of social, physical, organizational and political environments. The following themes will be addressed: the organization of work, and its implication for health; approaches to occupational and environmental health in Australia; social constructions and management of risk; the formulations and implementation of policies relevant to health; the effects of globalization on social and physical environments; and the emergence of varied social movements in response to these and other developments.

Textbooks

TBA

BACH 1163 Professional Practice and Communication

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 4 Hours/week. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences (or equivalent). **Assessment:** Case presentation (20%), Report (40%) Communication essay (40%).

This unit is concerned with how health professionals work and communicate in multi professional teams. Students will be introduced to the roles and challenges of a number of different health professions and encouraged to explore the differing practical and academic requirements of discipline groups within the NSW and Australian Health care systems. Students will also be required to read and assimilate information from a number of different professional disciplines and contribute to a case discussion based upon this information. The unit also introduces students to aspects of professional communication in health such as interviewing and basic counselling skills, case notes, professional reports, research reports, media releases and medicolegal documentation. The practical component of the units comprises interpersonal skills workshops covering topics such 1:1 and panel interviews and role played client interactions. Staff from a number of different professional groups within the Faculty and college of Health Sciences will contribute to the teaching program in this Unit of Study

Textbooks

TBA

BACH 1164 Human Behaviour and Behaviour Change

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 4 Hours/week. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences. **Assessment:** 3X 1000 word essays (60%), end of semester examination (40%).

Behaviour and attitudes are central to health status, and health scientists try to encourage people to adopt healthier beliefs, attitudes and behaviours. This unit examines the interplay between the processes of reasoning, memory and attention, and the mechanisms that determine our behaviour and beliefs in groups such as peer groups, subcultures and organisations, and the ways in which unhealthy behaviours can be modified. Students will be introduced to key concepts in cognitive psychology, such as memory, attention and problem solving, before examining the application of social psychological principles to health, job satisfaction and professional practice with an overview of research in a variety of areas including, but not limited to helping behaviour and aggression, interpersonal relationships, conformity, prejudice and group processes. The unit concludes with a review of those procedures that can be used to bring about lasting change in individuals.

Textbooks

TBA

BACH 2038 Health and Social Theory

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, UG Study Abroad Program. Gina Anderson. **Session:** Semester 1. **Classes:** On campus 4 hours/week. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry. **Assessment:** Three Assessments 6000 word equivalent.

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 sociological theoretical approaches which may include Marx, Weber, Goffman, Habermas, Foucault and Virchow. This unit will provide conceptual tools and explore the practical application of social theory to the health context. Skills will be developed in identifying the social origins of illness and treating illness as a social process.

Textbooks

selected readings (reader)

BACH 2039 Organisational Studies

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Barbara Adamson. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH1133 Introduction to Health Psychology. 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 2135 Communication & Conflict Management

3 credit points. B B Hlth Sc, UG Study Abroad Program. Dr. Chris Lennings. **Session:** Semester 1. **Prerequisites:** BACH1133 Introduction to Health Psychology. **Assessment:** Assignments and examination.

This unit introduces students to the theories, techniques and approaches involved in the development of effective conflict resolution and negotiation skills. The unit outlines a model of communication skills and special applications of communication such as team decision making, conflict resolution and dealing with crisis and loss. Students will work through examples of ethical and professional dilemmas and demonstrate the application of communication, negotiation and dispute resolution skills.

BACH 2136 Community Action

6 credit points. B B Hlth Sc, UG Study Abroad Program. Dr. Gomathi Sithartan. **Session:** Semester 2, Semester 1. **Assessment:** Assignments and examination.

This unit examines contemporary approaches to community and the role of the individual in producing and evaluating change in community behaviours and values. Students will have the opportunity to participate in activities involving community action.

BACH 2137 Health Policy Development

6 credit points. B B Hlth Sc, UG Study Abroad Program. Dr. Zakia Hossain. **Session:** Semester 2. **Assessment:** Assignments 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 2138 Psych. Disorders & their Treatment

5 credit points. B B Hlth Sc, UG Study Abroad Program. Dr Mairwen Jones. **Session:** Semester 1. **Assessment:** Essay, Tutorial Presentation and Examination.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. 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 theory and application of behavioural management strategies in a variety of clinical settings is examined and contrasted with competing models of psychological therapy. Students will also extend their knowledge of etiology and treatment of common disorders by preparing inquiry-based case formulations for a series of fictitious case examples.

BACH 3075 Health Psychology

6 credit points. B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Dr Barbara Adamson. **Session:** Semester 2, Semester 1. **Classes:** Lecture and Seminar. **Prerequisites:** BACH2129 Psychological Disorders and their Treatment. **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 are 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 3086 Lifespan Psychology and the Family

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2, Semester 1. 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 3089 Brain and Cognition

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Assoc Prof Lynne Harris. **Session:** Semester 2. **Assumed Knowledge:** BACH2128 Cognition and Cognitive Impairment. **Assessment:** Assignment and examination.

NB: Department permission required for enrolment.

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

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr. Roger Adams. **Session:** Semester 2.

NB: Department permission required for enrolment.

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 kinesthesia in motor control.

BACH 3094 Health, Policy and Service Delivery

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), Dr Carol O'Donnell. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** Introduction to Health Sociology BACH1029 (2511I). **Assessment:** Essay and final examination.

This unit of study uses social theory to explain the relationship between health, medicine and society. Lecturers will identify special features of the health care system in order to examine current concept and practices underpinning the present impetus for health reform. The course addresses issues of power and partnership in professional practice; it examines the health care policy and practice; it considers the need for balancing social and economic responsibility in health care; and provides a comprehensive evaluation of concepts necessary for the planning and delivery of effective health.

BACH 3118 Social Dimensions of Biotechnology

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, UG Study Abroad Program. Rose Leontini. **Session:** Semester 1. **Classes:** On campus lectures and seminars. **Prerequisites:** BACH1134 Health, Illness & Social Inquiry, BACH1130 Foundations of Health Sociology, BACH 1098 Introduction to Health Sociology or BACH2038 Health & Social Theory. **Assessment:** Weekly Journal (50%) and essay due Week 13 (50%).

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.

BACH 3119 Environmental Health and Safety

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons). **Session:** Semester 1. **Assessment:** Assignment and examination. The unit describes some basic principles of work organisation in Australia and patterns of injury and illness are discussed in this context. Requirements of occupational health and safety legislation and their relationship to quality management are addressed. Students identify risks at a workplace and develop a program for their control.

BACH 3120 Self, Society and Mental Health

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons). Ian Andrews. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or BACH 1098 Introduction to Health Sociology. **Assessment:** Assignment and Examination.

This unit examines the nature of the self in the modern world, and assesses various strategies for shaping and controlling the process of self-formation. These aims are addressed through the application of a range of sociological theories and concepts. Topics covered include: the social nature of the self, and the process of socialisation; the social origins of mental illness in general, and suicide in particular; the contrasting epistemologies of psychiatry, psychology, and assorted forms of psychotherapy; the social construction of madness, and the anti-psychiatry movement; psychoanalytic views on the self and society; the aims and limitations of 'self-help' and 'personal development' discourses; and the role of narrative in the formation of self-identity. Throughout the unit, students will be encouraged to reflexively apply to their own lives the theoretical perspectives that are covered, with a view to illuminating their own biography and sense of self.

Textbooks

Book of readings will be available

BACH 3121 Counselling

3 credit points. B B Hlth Sc. **Session:** Semester 1. **Prerequisites:** Introduction to Health Psychology BACH1133 (251A5) and Behaviour Therapy (or equivalent). **Assessment:** Assignment and examination.

This unit provides an overview of issues and techniques involved in the psychological treatment 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 counseling approaches and will develop an awareness of the techniques that underlie creditable psychotherapies. A seminar program will provide an opportunity to develop basic counselling and behaviour change skills.

BACH 3122 Psychosocial Aspects of Ageing

6 credit points. B B Hlth Sc, B B Hlth Sc, M.N, B Hlth Sc. **Session:** Semester 1. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences. **Assessment:** Assignment and examination.

This unit examines the psychosocial context of late adulthood. The impact of changing social, environmental, economic, and biological dimensions are examined in the context of healthy ageing and age-related illness. Implications for health care delivery are considered.

BACH 3123 Professionals & the Workplace I

3 credit points. B B Hlth Sc. **Session:** Semester 1. **Assessment:** Assignments and examination.

This unit introduces students to the workplace attachment practicum and examines fieldwork experiences in terms of the goals of the workplace and of the policy, legal, communication and management issues and applications encountered. Students will also explore the role of ethics and ethical reasoning within contemporary approaches to public life and health service delivery.

BACH 3124 Professionals & the Workplace II

6 credit points. B B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments; satisfactory completion of work placement.

This unit involves two components. Firstly, students undertake a three week workplace attachment during the inter-semester break. Students will report on their fieldwork experiences, analysing the policy, ethical, legal, communication and management issues and applications encountered.

BACH 3125 Evaluation for Health Settings

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. This unit prepares professionals in health or related settings to evaluate aspects of their professional practice. The practical and plural approach taken is relevant to a range of professions as well as multi disciplinary settings. Students consider the purpose of evaluation and are encouraged to choose the most appropriate approach, strategies and methods for evaluating the effectiveness of a health care intervention. The practical focus on 'evaluation for action' is relevant to professional development and improvement, reflective practice, or evidence based health care.

Textbooks

J.Ovretveit (1998) Evaluating Health Interventions, Buckingham: Open University Press and www.fhs.usyd.edu.au/bach/

BACH 3126 Research Project Development

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. 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. 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. By the end of this unit students will have developed a research proposal.

BACH 3127 History & Philosophy of Science

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. 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 3128 Health and Globalisation

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. The focus of the unit of study is to understand the meaning of globalisation and the impact of globalisation on health. The unit examines the changing trade processes and social and cultural shifts and their impact on populations' health. The unit also aims to provide understanding of both direct and indirect impact of globalisation on health. The direct impact of globalisation on health includes shifting disease patterns; shifting behaviour patterns (diet and smoking); and indirect impact includes changes in trade laws affecting workers' health; the existence of internet 'globalisation' on the health and utilization of health care services.

BACH 3129 Sociology of Alternative Healing Systems

6 credit points. B B Hlth Sc. **Session:** Semester 2. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry or BACH 1130 Foundations of Health Sociology or Introduction to Health Sociology. **Assessment:** Assignments.

This unit combines cross-cultural examples of indigenous healing practices, with demonstrations and lectures given by working alternative therapists, to introduce students to major themes and issues in the sociology of alternative medicine. It offers an historical analysis of how many alternative therapies have been assimilated into mainstream medical practice, and discusses the implications of their independent role within the Australian healthcare sector.

Textbooks

book of readings.

BACH 3130 Sport, Society & Social Theory

6 credit points. B App Sc (Ex & Sp Sc), B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Prerequisites:** BACH 1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or Introduction to Health Sociology. **Prohibitions:** BACH3081 Sociology of Sport.. **Assessment:** Assignments and examination.

This unit draws on the work of numerous social theorists to elucidate the origins, nature, and prospects of modern sporting forms and practices. The theorists covered include Norbert Elias, Max Weber, Emile Durkheim, Karl Marx, Antonio Gramsci, and Jurgen Habermas. The topics covered include: the social development of modern sports; the functional similarities of sport and religion; ideology, power and politics in contemporary sport; gender, feminism and women's sport; the history of the Olympic Games; the structural transformation of professional football leagues; and the role of sport in the formation of self-identity.

Textbooks

book of readings.

BACH 4055 Intermediate Statistics

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** 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

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Cherry Russell. **Session:** Semester 1. **Classes:** On campus 3 hours/week.

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. In addition, students work on a research project of their choice throughout the semester.

BACH 4057 Survey Research Methods

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Kate O' Loughlin. **Session:** 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

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Mairwen Jones. **Session:** Semester 1, Semester 2.

This elective addresses major psychological disorders and the current classificatory and diagnostic systems available. Critiques of nosologies and taxonomies will be provided and alternative individualised systems of assessment useful for research will be discussed. Detailed consideration of the major philosophical questions 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 highlighted.

BACH 4059 Addictive Behaviours

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr C Lennings. **Session:** 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.

Textbooks

D. Ryder, A. Salmon, & N. Walker (2001) Drug use and Drug related Harm. IP

BACH 4060 Cognitive Function in Neuro Disorders

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Assoc Prof Lynne Harris. **Session:** Semester 1. **Classes:** Contract Learning. **Assumed Knowledge:** BACH2128 Cognition and Cognitive Impairment. **Corequisites:** BACH3098 Psychosocial Well-being in Older Adults. **Assessment:** Assignments and essay.

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

BACH 4061 Organisational Psychology

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), M O T, M Orth, UG Study Abroad Program. Dr Barbara Adamson. **Session:** Semester 1. **Classes:** Directed independent study on campus or distance education. **Assumed Knowledge:** Psychology background. **Assessment:** Continuous.

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.

Textbooks

Manual with key references

BACH 4062 Stress and Coping

4 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr. Gomathi Sithartan. **Session:** 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 as a Type A Behaviour, exercise and smoking will also be considered.

BACH 4063 Stress and Disability

4 credit points. B App Sc (MRS) Rad Thpy, B App Sc (OT), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Rosemary Pynor, R.Pynor@fhs.usyd.edu.au.

Session: Semester 1, Semester 2. **Classes:** Contract learning.

The aim of this unit of study is to challenge students' understanding of disability. This unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as passive recipients of the care of others, such as health professionals. Factors associated with living with a disability will be covered and the relationship of research to individual accounts of disability critically examined. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BACH 4064 Disability & the Community

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Rosemary Pynor, R.Pynor@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Contract learning.

The aim of this unit is to challenge students' understanding of disability. Definitions and models of disability will be examined in terms of how they affect community attitudes towards disability. The unit provides an insight into the life experiences and social position of disabled people from their own perspective. Students will be encouraged to focus their study on a particular segment of the community (eg health professionals, different ethnic groups or media) and examine that group's attitude toward people with disabilities. Alternatively, students may examine how a particular groups in the community is viewed (i.e. women, children or people with a specific condition). Some of the topics covered will be definitions of disability, models of disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BACH 4065 Ethnic Minorities & Health Care in Aust

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2, Semester 1.

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

4 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), M O T, M Orth, UG Study Abroad Program. Toni Schofield. **Session:** Semester 1, Semester 2.

This unit examines the health values and experiences of young people and their families 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, sickness 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

4 credit points. B App Sc (OT) Hons, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Carol O'Donnell. **Session:** 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: Hlth Contexts

4 credit points. B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr Rosemary Cant. **Session:** Semester 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. 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.

Textbooks
Manual

BACH 4076 Research Project 1

14 credit points. B B Hlth Sc (Hons), UG Study Abroad Program. Dr. Andrew Campbell. **Session:** Semester 1.

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

BACH 4077 Research Project 2

20 credit points. B B Hlth Sc (Hons), UG Study Abroad Program. Dr. Andrew Campbell. **Session:** Semester 2.

Students will complete a supervised research project and submit a research paper or thesis.

BIOS 1134 Basic Sciences for Health Studies

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Ian Cathers. **Session:** Semester 1. **Classes:** 3 hours per week. **Corequisites:** BIOS 1161 Biochemistry and Human Biology or BIOS1 126 Human Biology and Biochemistry. **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. The unit of study also includes an academic skills module that covers basic study, research and writing skills.

BIOS 1155 Structure, Function and Disease A

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS)Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Meg Stuart. **Session:** Semester 2, Semester 1. **Prerequisites:** BIOS 1161 Biochemistry and Human Biology. **Assessment:** Two mid-semester spot tests (each 15%); End-semester exam (70%).

This unit of study introduces the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal, cardiovascular and respiratory systems are undertaken. This leads to a focus on the important diseases related to these systems and their effects on the body. The basic concepts of pharmacology will also be introduced to enable students to understand the action of drugs on each of the body systems as they are covered in this unit and in Structure, Function and Disease B. Students are expected to complete computer-based, self-directed learning packages prior to some practical sessions. 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 1161 Biochemistry and Human Biology

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 1. **Classes:** 4 hours lectures per week. **Assessment:** Mid-semester exam (20%), End-semester exam (80%).

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of 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 following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, 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. The application of these fundamental principals to developments in healthcare is examined.

BIOS 1162 Microbiology and Biotechnology (Intro)

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. Dr Diana Oakes. **Session:** Semester 2. **Classes:** 2 hours lectures, 1 hour practical class per week. **Assessment:** Mid-semester exam (30%), End-semester exam (70%).

In this unit of study an introduction to the field of microbiology will be presented. Students will develop an understanding of the distinguishing features and key characteristics of the major types of micro organisms and will gain some practical experience in the safe handling and growth of microbes in the laboratory setting. The factors that commonly lead to the emergence or re-emergence of infectious diseases will be examined. Bacterial genetics and the role of micro-organisms in genetic engineering will also be studied.

Students will also develop an understanding of the methods used in, and the applications of biotechnology, with a major emphasis on its relevance to human health. The biomedical consequences of developments in biotechnology will also be examined. There will be an opportunity for students to develop some practical expertise in relevant laboratory techniques. Topics covered include the role of biotechnology in health, gene screening and therapy, cloning and reproductive technology, biotechnology and drug discovery and techniques in biotechnology.

Textbooks

Lee, G & Bishop P (2005), Microbiology and Infection Control for Health Professionals, 3rd ed, Sydney: Pearson Education

BIOS 2095 Body Functions

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Classes:** Lectures, tutorials and on-line modules. **Assessment:** MCQ and SAQ 40%, End Semester exam 60%.

NB: Department permission required for enrolment.

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 BIOS1 126 Human Biology and Biochemistry 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 e-mail. Profession-specific work sheets will allow students to understand the application of biomedical principles to their personal context.

Textbooks

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

HIMT 3041 Human Resource Management

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Joanne Callen/Linda Ernst (02) 9351 9558. **Session:** Semester 1. **Classes:** On-campus attendance for 3 day block. **Assessment:** Assignments.

NB: Department permission required for enrolment.

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.

Rehabilitation Counselling

AHCD 3018 Aboriginal Studies

3 credit points. B App Sc (Phy), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2.

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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B B Hlth Sc, B Hlth Sc, B Hlth Sc (MRT) Rad Therapy, B Hlth Sc (Hons), B Hlth Sc (MRT) Diag Rad, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab). Dr Ian Hughes. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** BACH1130 Foundations of Health Sociology or BACH1134 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

6 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program. Karen Pepper. **Session:** 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

6 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ian Andrews. **Session:** 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

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Ins. Dr. Zakia Hossain, Dr. Rob Heard. **Session:** Semester 1, 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 develop skills in a selection of interview, survey, observational and epidemiological research designs. Database and literature review techniques will be introduced as well as issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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 1153 Rehabilitation Psychology

4 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Rosemary Pynor (9351 9598), Dr Barbara Adamson (9351 9579), Dr Gomathi Sitharthan (9351 9584) and Dr Rob Heard (9351 9498). **Session:** Semester 2. **Classes:** 26 hours lectures, 13 hours seminars and 13 hours equivalent self-directed activity. **Assumed Knowledge:** BACH1133 Introduction to Health Psychology (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 3115 Behaviour Disorders and Management

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Mairwen Jones. **Session:** Semester 1. **Classes:** On campus.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. 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.

BACH 3132 Contemporary Issues in Health & Medicine

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Kaye Brock. **Session:** Semester 1, Semester 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 3133 Health Planning, Policy and Evaluation

3 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Zakia Hossain. **Session:** 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 planning 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 3134 Computing for Health Practitioners

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** Semester 1, Semester 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 operat-

ing 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 3135 Occupational Health and Stress

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Caarol O'Donnell. **Session:** 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. Students will learn how to identify and control work related risks in this context.

BACH 3136 Stress and Coping

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** 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 3137 Stress and Disability

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Rosemary Pynor (R.Pynor@fhs.usyd.edu.au). **Session:** Semester 1, Semester 2.

The aim of this unit is to challenge students' understanding of disability. This unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as the passive recipients of the care of others, such as health professionals. Factors associated with living with a disability will be covered, and the relationship of research to individual accounts of disability critically examined. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BACH 3138 Lifespan Psychology and the Family

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr. Gomathi Sithartan. **Session:** Semester 1, 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 3139 Alternative Medicine

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Ms Ann Hale. **Session:** 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 assimilated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3141 Behavior Modification/ Cognitive Therapy

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Steve Cumming. **Session:** Semester 2, Semester 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 3142 Leisure, Recreation and Disability

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** REHB3039 Avocational Rehabilitation. **Assessment:** Final assignment, class exercises.

This unit provides students with the 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.

BACH 3146 Cyberpsychology and e-Health

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Andrew Campbell. **Session:** Semester 1, Semester 2. **Classes:** On Campus. **Assessment:** Assignment 1 - (1000 words) on reviewing existing Online Health Services (25%).

Assignment 2 - (1000 words) on the benefits/problems of online Mental Health provision (25%).

Assignment 3 - (2000 words) on the ethics and improvement of online Health and/or Mental Health resources and services (50%).

NB: Limited to 60 Students

This Faculty elective is delivered to encompass the broader scope of Health topics online and how Information Technology impacts on behaviour and health.

Cyberpsychology and e-Health aims to educate those seeking careers in allied health on how societal and individual health is both affected and addressed by the Internet. The course will be based on guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of Information technology in the following areas:

1. Allied Health e-training.
2. Ethics and practice of online pharmacies.
3. Telemedicine.
4. Provision of psychological therapy over the Internet.
5. Online health testing and research
6. Online health and psychological resources and quality control of such resources.
7. Future directions focused on improving health and mental health resources using Information Technology.

Textbooks

No set Textbook but recommended Reading Lists will be provided.

BACH 4019 History and Philosophy of Science

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Rodd Rothwell. **Session:** 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Ian Hughes. **Session:** Semester 1. **Classes:** Web based independent learning. No on-campus attendance required. **Assessment:** Project based and interactive continuous assessment.

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.

Textbooks

www.fhs.usyd.edu.au/arrow

BACH 4045 Qualitative Research Methods

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Assoc Prof Cherry Russell. **Session:** Semester 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; students also work on a research project of their choice throughout the semester.

Textbooks
Course reader.

BIOS 1126 Human Biology and Biochemistry

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Classes:** Lectures, tutorials and on-line modules. **Assessment:** MCQ and SAQ 40%, End Semester exam 60%.

NB: Department permission required for enrolment.

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 Human Biology and Biochemistry 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 e-mail. 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BIOS2095 Body Functions. **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 BIOS2095 Body Functions 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, Tomparry, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

BIOS 4035 Sexuality for Health Professionals

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Institutio. Dr Patricia Weerakoon. **Session:** Semester 2, Semester 1. **Classes:** This unit is offered on-line. Attendance on campus is required only for the first session in week one of the semester. **Assessment:** Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This elective is only available to students in Year 2 or higher.

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.

EXSS 3018 Management, Marketing and the Law

4 credit points. B App Sc (OT) Hons, B App Sc (Ex &Sp Sc), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Assignment, End semester exam.

NB: Department permission required for enrolment.

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

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Joanne Callen/Linda Ernst (02) 9351 9558. **Session:** Semester 1. **Classes:** On-campus attendance for 3 day block. **Assessment:** Assignments.

NB: Department permission required for enrolment.

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 1044 Visual Processes

3 credit points. B App Sc (Orth), B App Sc (Orth), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. A/Prof Elaine Cornell. **Session:** Semester 1. **Assessment:** Mid semester 1 hour class test, 30%; end of semester 2 hour exam, 70%.

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.

REHB 1000 Vocational Rehabilitation IA

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Mr Trevor Hawkins. **Session:** Semester 1. **Classes:** On campus 2 hours/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.

REHB 1001 Vocational Rehabilitation IB

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Mr Trevor Hawkins. **Session:** Semester 2. **Classes:** On campus 2 hours/week. **Prerequisites:** REHB 1000 Vocational Rehabilitation IA. **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.

REHB 1002 Rehabilitation Philosophy

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** 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.

Textbooks

Study Notes provided

REHB 1003 Ethical Perspectives of Rehabilitation

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Lynda Matthews. **Session:** 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

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 2. **Classes:** On campus. **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 (latest edition) Corey, G.

REHB 1008 Professional Practice 1A

6 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** 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

7 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** Semester 2. **Classes:** On campus seminars, workshops, tutorials.

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 2009 Vocational Rehabilitation IIA

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Mr Trevor Hawkins. **Session:** 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

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Mr Trevor Hawkins. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** REHB2009 Vocational Rehabilitation IIA. **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

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 1. **Classes:** On campus 2 hours/week. **Prerequisites:** REHB 1007 Rehabilitation Counselling I. **Assessment:** Assignment.

Students are introduced to and provided with the opportunity for practice in the purposeful application of basic interviewing skills in the counselling process.

Textbooks

Intentional Interviewing. (1999) Ivey, A.

REHB 2012 Rehabilitation Counselling IIB

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 2. **Classes:** On campus 2 hours/week. **Prerequisites:** REHB2011 Rehabilitation Counselling IIA. **Assessment:** Video.

This unit provides skills acquisition in advanced counselling skills applied in a rehabilitation counselling context. There will be practical weekly tutorials.

REHB 2019 Case Management Rehabilitation Planning

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 1. **Classes:** On campus. **Assessment:** Examination.

The unit provides students with general theoretical principles which underlie good case management practice such as organisation, 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 are explored and clarified. The course provides the opportunity for the application of rehabilitation planning skills using case study exercises in rehabilitation terms.

REHB 2020 Politics of Disability & Rehabilitation

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** 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 2021 Professional Practice IIA

5 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** Semester 1.

Students complete up to four weeks of field experience in an agency of their choice. This first placement provides students with an orientation to the practical application of their studies. The 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 2022 Legal Perspectives of Rehabilitation

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Judith Mair. **Session:** Semester 1. **Classes:** On campus 2hrs/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.

Textbooks

No core text

REHB 2023 Work Injury and Workers' Compensation

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Toni Schofield. **Session:** Semester 2. **Classes:** On campus. **Assessment:** Mid-semester exam and essay.

This unit has a two-fold focus. Firstly, it will examine and analyse the pattern of occupational illness, injury, disability and mortality in Australia (focusing on NSW) and its relationship to the social organisation of work. Secondly, it will explore and critically evaluate workers' compensation as the major social mechanism for managing "the problem" of employment. A key focus of this unit is the role of rehabilitation professionals.

REHB 2024 Accident Compensation Scheme Practicum

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 2. **Classes:** On campus. **Prerequisites:** REHB2019 Case Management and Planning. **Assessment:** Examination.

Students are exposed to the critical sections of the major accident compensation schemes in the state of New South Wales (Work Cover, 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. Rehabilitation industry speakers provide current best practice in injury management and service provision.

REHB 2025 Professional Practice IIB

8 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** 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 under supervision the knowledge acquired in their studies.

REHB 3037 Vocational Rehabilitation IIIA

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Misc, UG Study Abroad Program. Mr Trevor Hawkins. **Session:** Semester 1. **Classes:** On campus 2 hours/week. **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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** 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

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1.

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

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 2. **Classes:** On campus 2 hours/week. **Prerequisites:** REHB 1007 Rehabilitation Counselling I, REHB2011 Rehabilitation Counselling IIA, REHB2012 Rehabilitation Counselling IIB. **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

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Sandra Bentley. **Session:** Semester 1. **Prerequisites:** REHB2012 Rehabilitation Counselling IIB.

This unit covers adjustment to disability theory and the application of counselling skills in a rehabilitation counselling context. The unit also provides a group leadership learning opportunity via the application of group counselling skills to address adjustment and transition issues.

REHB 3043 Rehabilitation Counselling IIIB

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Sandra Bentley. **Session:** Semester 2. **Prerequisites:** REHB3042 Rehabilitation Counselling IIIA.

This unit provides students with introduction to the theory and practice in Solution-Focused Brief Therapy. Students also gain skills in assessment and interventions session planning using this counselling approach.

REHB 3044 Medical Aspects of Disability

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** 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 3049 Professional Practice IIIA

6 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1.

Students 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 3050 Professional Practice IIIB

9 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2.

Students 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 3051 Rehabilitation of Public Offenders

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** On campus evening 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 UNIV Press

REHB 3052 Rehabilitation and Older People

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Cherry Russell. **Session:** Semester 2. **Classes:** Contract learning. **Assessment:** Essay.

The aim of this unit of study 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; work and retirement; ageing and disability; aged care services.

REHB 3053 Acquired Brain Injury Rehabilitation

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Mr Trevor Hawkins. **Session:** Semester 1. **Classes:** On campus 1hr/week. Also available Distance education 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.

REHB 3054 NESB Australians: Disability and Rehab

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

Students are made aware of the nature and extent of disabilities among people from non-English speaking backgrounds. Poverty, social isolation and the difficulty in accessing appropriate rehabilitation services are discussed.

REHB 3056 Rehab of Persons with Hearing Loss

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1, Semester 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 3058 Rehab of Persons Living with HIV/AIDS

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

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 3059 Rehabilitation and PTSD

3 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1.

PTSD as a clinical entity is examined and major explanatory and research models reviewed. Students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

REHB 3060 Chronic Pain in Rehabilitation

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1.

Chronic non-cancer pain is a disabling phenomenon and a significant challenge for the rehabilitation counsellor. After participating in this unit, the student will have practical skills in dealing with chronic pain clients. A major focus is the neurophysiology of chronic pain and also the importance of self management to reduce the chance of burnout in working with this population of clients.

REHB 3061 Rehabilitation and Substance Abuse

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus 2 hrs/week. **Assessment:** Assignment.

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 and self-help groups are discussed.

Textbooks

No prescribed texts. Notes will be issued.

REHB 4009 Rehabilitation Counselling IV

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Ms Sandra Bentley. **Session:** Semester 1. **Classes:** On campus 2 hrs/week. **Prerequisites:** REHB3043 Rehabilitation Counselling IIIB. **Assessment:** Interview demonstration.

Counselling interview practice which focuses on the application of Solution Focused Brief Therapy to facilitate the rehabilitation process of case study clients.

REHB 4019 Thesis A

7 credit points. B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 1.

Honours students undertake a supervised research project in one of the range of areas of rehabilitation and/or disability. Students choose a research topic, conduct a literature review, develop a research design, and prepare an ethics submission under the supervision of an academic staff member.

REHB 4021 Professional Practice IVA

3 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** Semester 1.

Students will participate in advanced Professional Development Workshops and Lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

REHB 4022 Professional Practice IVB

24 credit points. B Hlth Sc (Rehab Cng), UG Study Abroad Program. **Session:** Semester 1, Semester 2.

Students are required to complete a supervised 10-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.

REHB 4023 Honours Workshop

3 credit points. B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Linda Matthews. **Session:** Semester 2. **Classes:** 1 hr/week.

Honours students are assisted with the development of their individual research projects for the completion of thesis in Year 4. At the conclusion of this unit, each student will have prepared a written proposal for their research project.

REHB 4024 Professional Practice IVHA

8 credit points. B Hlth Sc (Rehab Cng) Hons. **Session:** Semester 1. **Prerequisites:** Either REHB 1006 or (REHB 1008 Professional Practice IA and REHB 1009 Professional Practice IB); either REHB2018 or (REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB); REHB3049 Professional Practice IIIA; REHB3050 Professional Practice IIIB.

Students will participate in advanced professional development workshops and lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

REHB 4025 Professional Practice IVHB

16 credit points. B Hlth Sc (Rehab Cng) Hons. **Session:** Semester 2. **Prerequisites:** Either REHB 1006 or (REHB 1008 Professional Practice IA and REHB 1009 Professional Practice IB); either REHB2018 or (REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB); REHB3049 Professional Practice IIIA; REHB3050 Professional Practice IIIB.

Students are required to complete a 10 week supervised full-time block placement (or equivalent) 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.

REHB 4026 Thesis B

8 credit points. B Hlth Sc (Rehab Cng) Hons. **Session:** Semester 2. **Prerequisites:** REHB4019ThesisA.

Students will collate and analyse their data, interpret the results and submit a thesis describing the project and its implications for service delivery and further research.

8. School of Biomedical Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 Sciences. 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.

Please refer to Chapter 22 for the Graduate courses offered by the School of Biomedical Sciences.

9. School of Communication Sciences and Disorders

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

The School of Communication Sciences and Disorders is one of the oldest and largest programs offering speech pathology professional preparation in Australia. In addition to professional preparation for speech pathology offered at both the undergraduate and postgraduate level, the School offers a generic undergraduate degree focused on human communication, which prepares students to enter a graduate program in speech pathology or audiology as well as other health professions. The School has an active program of research in a wide range of specialty areas and provides integrated and comprehensive clinical and fieldwork placements. 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 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 Pass and Honours level. Both Pass and Honours degrees are 4-year undergraduate programs.
- An alternative pathway into speech pathology is via a 2-year postgraduate program. The School offers a professional preparation masters program for students who have completed a relevant undergraduate degree. More information on this masters program can be found in the School of Communication Sciences and Disorders chapter in the Postgraduate Handbook.
- 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 Master's degree, the Master of Health Science (Speech-Language Pathology) is available for qualified Speech Language Pathologists wishing to undertake advanced study in their discipline
- A postgraduate research Master's 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 Master's degree, the Master of Communication Disorder, 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 who wish to undertake research in an area of communication sciences and disorders

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. The Bachelor of Applied Science (Speech Pathology) or the Master of Speech Language Pathology prepares students to practise as Speech Pathologists (formerly known as Speech Therapists). The undergraduate degree is accredited by Speech Pathology Australia as the curriculum addresses all competencies required for practising membership status. The preparation Master's is currently undergoing a accreditation by Speech Pathology Australia. Reference to specific competencies is made in each unit outline and objectives.

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 areas 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, teaching, special education, rehabilitation counselling, gerontology, health services management, and in particular, speech pathology and 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.

Information about the School and its courses of study can be obtained from Student Administration (Cumberland), telephone (02) 9351 9161, or from the Admissions Coordinator in the School of Communication Sciences and Disorders, telephone (02) 9351 9450, or email csdinfo@fhs.usyd.edu.au or from the School's website (<http://www.fhs.usyd.edu.au/csd>).

Bachelor of Applied Science (Speech Pathology)

The Bachelor of Applied Science (Speech Pathology) is an undergraduate degree that qualifies individuals to practise as speech pathologists.

Full-time and part-time study

The Bachelor of Applied Science (Speech Pathology) is structured as a full-time degree course offered over 4 years, with expected enrolment in units totalling 24 credit points each semester. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. Within the School of Communication Sciences and Disorders, students enrolling part-time are those enrolled in a minimum of 10 and a maximum of 17 credit points per semester. Part-time students in Speech Pathology are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 4 full units of study per academic year, except when a student has fewer than 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, is 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 - e.g. 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.
- 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. Speech Pathologists work with language and communication so good communication skills and a desire to work with people are required.

Course outline

The course outlines for the Bachelor of Applied Science (Speech Pathology) Pass and Honours courses are presented in Tables 9.1 and 9.1.1.

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) Pass

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SH040: Pass course; full-time; 4 years								
Year1								
Semester 1								
BACH 1130	Foundations of Health Sociology	3						Semester 2, Semester 1
BACH 1132	Foundations of Health Psychology	3						Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
BIOS 1116	Speech Science I	3			Semester 1
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry		Semester 1, Semester 2
BIOS 1132	Neuroscience I	3			Semester 2, Semester 1
CSCD 1024	Linguistics	3			Semester 1, Summer
CSCD 1026	Phonetics I	2			Semester 1, Summer
CSCD 1028	Normal Communication Development	3			Semester 1
<i>Semester 1 total: 24 credit points</i>					
Semester 2					
BACH 1159	Cognitive Factors in Health	4	A BACH1 132 Foundations of Health Psychology or BACH1 133 Introduction to Health Psychology, or equivalent		Semester 2
BACH 2126	Maladaptive Behaviours/Behaviour Change	4	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology, or equivalent.		Semester 1, Semester 2
BIOS 1117	Speech Science II	3	A It is recommended that BIOS1116 Speech Science I be studied before enrolling in this unit. C BIOS 1118 Hearing Science		Semester 2
BIOS 1118	Hearing Science	4	A Recommended background unit of study BIOS 1116 Speech Science I C BIOS 1117 Speech Science II		Semester 2
BIOS 1141	Neuroscience II	3			Semester 1, Semester 2
CSCD 1025	Professional Development I	2			Semester 2
CSCD 1029	Articulation and Phonology	4	A CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I.		Semester 2
<i>Semester 2 total: 24 credit points</i>					
Year 2					
Semester 1					
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
BIOS 2062	Neurobiology II: Communication Disorders	6	P BIOS1132 Neuroscience I, BIOS1141 Neuroscience II.		Semester 1
CSCD 2035	Phonetics II	2	A Recommended background units of study: CSCD1026 Phonetics I, BIOS1116 Speech Science I, BIOS1117 Speech Science II, BIOS1118 Hearing Science.		Semester 1
CSCD 2040	Audiology I	3	P BIOS1116 Speech Science I, BIOS 1117 Speech Science II, BIOS1118 Hearing Science		Semester 1
CSCD 2041	Language Impairments in Children I	3	P CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development.		Semester 1
CSCD 2043	Stuttering	3			Semester 1
CSCD 2048	Introductory Clinical I	1	P CSCD 1029 Articulation and Phonology, CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I, CSCD 1025 Professional Development I		Semester 2, Semester 1
CSCD 2051	Professional Development IIA	3	P CSCD 1025 Professional Development I.		Semester 1
<i>Semester 1 total: 24 credit points</i>					
Semester 2					
BACH 2109	Cognitive Neuropsychology I	5	P BACH1 159 Cognitive Factors in Health		Semester 2
CSCD 2030	Voice Science and Disorders	4	P BIOS1116 Speech Science I and BIOS1117 Speech Science II.		Semester 2
CSCD 2042	Language Impairments in Children II	3	P CSCD2041 Language Impairments in Children I.		Semester 2
CSCD 2046	Audiological Management I	3	A CSCD2040 Audiology I		Semester 2
CSCD 2047	Neurogenics I	3	A BIOS2062 Neurobiology II: Communication Disorders		Semester 2
CSCD 2049	Introductory Clinical II	3	P CSCD2048 Introductory Clinical I, CSCD2043 Stuttering.		Semester 1, Semester 2, Summer
CSCD 2052	Professional Development IIB	3	P CSCD2051 Professional Development IIA and either CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I C CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II		Semester 2

Unit of Study			CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
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.						
Semester 1						
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics			Semester 2, Semester 1
BACH 3056	Patient Management Theories/Applications	5	P BACH1132 Foundations of Health Psychology; BACH 1159 Cognitive Factors in Health; BACH2126 Maladaptive Behaviours/Behaviour Change.			Semester 1
CSCD 3023	Neurogenics II	4	A Recommended background unit of study: CSCD2047 Neurogenics I.			Semester 1
CSCD 3024	Communication and Lifelong Disability	3	P CSCD 1028 Normal Communication Development			Semester 1
CSCD 3032	Professional Development III	3	A Recommended background unit of study: CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II P CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I; CSCD2052 Professional Development IIB.			Semester 1
CSCD 3037	Swallowing Impairments	2	P BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II.			Semester 1
CSCD 3063	Intermediate Clinical IA	4	P CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II. NB: Department permission required for enrolment.			Semester 1, Semester 2
or						
CSCD 3065	Intermediate Clinical IB		NB: *** No info available for 2006. ***			
Semester 1 total: 24 credit points						
Semester 2						
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1130 Foundations of Health Sociology			Semester 1, Semester 2
BACH 1148	Health, Attitudes and Interaction	3	P BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology			Semester 2
BACH 3055	Cognitive Neuropsychology II	3	P BACH2109 Cognitive Neuropsychology I			Semester 2
CSCD 3034	Craniofacial Anomalies	3	A Recommended background units of study: BIOS1116 Speech Science I and BIOS1117 Speech Science II or CSCD2030 Voice Science and Disorders.			Semester 2
CSCD 3036	Language Impairments in Children III	2	A Recommended background unit of study: CSCD2049 Introductory Clinical II P CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II			Semester 2
CSCD 3049	Audiological Management II	2	A Recommended background units of study: CSCD 1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I PCSCD2040 Audiology I			Semester 1, Semester 2
CSCD 3064	Intermediate Clinical IIA	8	P CSCD3063 Intermediate Clinical IA, BIOS2062 Neurology II: Communication Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD2030 Voice Science and Disorders.			Semester 1, Semester 2
or						
CSCD 3066	Intermediate Clinical IIB		NB: *** No info available for 2006. ***			
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	Advanced Topics A	6	P CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments.			Semester 1
CSCD 4027	Professional Development IVA	6	P CSCD3032 Professional Development III; CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB.			Semester 1
CSCD 4028	Advanced Clinical IA	10	P CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB			Semester 1
CSCD 4042	Clinical Mentoring A	2	C CSCD4028 Advanced Clinical IA			Semester 1
Semester 1 total: 24 credit points						
Semester 2						
CSCD 4029	Advanced Clinical IIA	24	P CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate IIB			Semester 2

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Semester 2 total: 24 credit points								
Group B								
Semester 1								
CSCD 4033	Advanced Clinical IIB	24	P CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB					Semester 1
Semester 1 total: 24 credit points								
Semester 2								
CSCD 4030	Advanced Topics B	6	P CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments.					Semester 2
CSCD 4031	Professional Development IVB	6	P CSCD3032 Professional Development III; CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB.					Semester 2
CSCD 4032	Advanced Clinical IB	10	P CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB					Semester 2
CSCD 4043	Clinical Mentoring B	2	C CSCD4032 Advanced Clinical IB					Semester 2
Semester 2 total: 24 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.								

Table 9.1.1: Bachelor of Applied Science (Speech Pathology) Honours

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition					Session	
Course code SH046: Honours program; full-time, 4 years								
Years 1 and 2								
As per Pass course								
Year 3								
Semester 1								
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics					Semester 2, Semester 1
BACH 3056	Patient Management Theories/Applications	5	P BACH1132 Foundations of Health Psychology; BACH 1159 Cognitive Factors in Health; BACH2126 Maladaptive Behaviours/Behaviour Change.					Semester 1
CSCD 3023	Neurogenics II	4	A Recommended background unit of study: CSCD2047 Neurogenics I.					Semester 1
CSCD 3024	Communication and Lifelong Disability	3	P CSCD 1028 Normal Communication Development					Semester 1
CSCD 3037	Swallowing Impairments	2	P BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS 1117 Speech Science II.					Semester 1
CSCD 3050	Intermediate Clinical IH	4	P CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II NB: Department permission required for enrolment.					Semester 1, Semester 2
CSCD 3051	Honours Research Seminar I	2						Semester 1
CSCD 3052	Professional Development IIIH	1	A Recommended background unit of study: CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II P CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I; CSCD2052 Professional Development IIB.					Semester 1
Semester 1 total: 24 credit points								
Semester 2								
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1130 Foundations of Health Sociology					Semester 1, Semester 2
BACH 1148	Health, Attitudes and Interaction	3	P BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology					Semester 2
BACH 3055	Cognitive Neuropsychology II	3	P BACH2109 Cognitive Neuropsychology I					Semester 2
CSCD 3034	Craniofacial Anomalies	3	A Recommended background units of study: BIOS 1116 Speech Science I and BIOS 1117 Speech Science II or CSCD2030 Voice Science and Disorders.					Semester 2
CSCD 3036	Language Impairments in Children III	2	A Recommended background unit of study: CSCD2049 Introductory Clinical II P CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II					Semester 2
CSCD 3049	Audiological Management II	2	A Recommended background units of study: CSCD 1029 Articulation and Phonology, CSCD2046Audiological Management I, CSCD2041 Language Impairments in Children I PCSCD2040 Audiology I					Semester 1, Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
CSCD 3053	Intermediate Clinical IHH	7	P CSCD3050 Intermediate Clinical IH; BIOS2062 Neurobiology II: Communication Disorders; CSCD3023 Neurogenics II; CSCD3037 Swallowing Impairments; CSCD2030 Voice Science and Disorders Semester 1, Semester 2
CSCD 3054	Honours Research Seminar II	IP CSCD3051 Honours Research Seminar I	Semester 2
<i>Semester 2 total: 24 credit points</i>			
Year 4: Clinical/Professional Year			
Semester 1			
CSCD 4035	Advanced Clinical IH	22	P CSCD3053 Intermediate Clinical IHH Semester 1
CSCD 4036	Professional Development IVH	2	P CSCD3052 Professional Development IIIH; CSCD3053 Intermediate Clinical IHH Semester 1
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
CSCD 4037	Advanced Clinical IHH	12	P CSCD3053 Intermediate Clinical IHH Semester 2
CSCD 4038	Honours Thesis	10	P CSCD3051 Honours Research Seminar I; CSCD3054 Honours Research Seminar II; satisfactory performance in all Year 3 units of study Semester 2
CSCD 4044	Clinical Mentoring H	2	P CSCD4037 Advanced Speech Pathology Clinical IHH Semester 2
<i>Semester 2 total: 24 credit points</i>			

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 than 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, is 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 - e.g. 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.

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 outline

The course outlines for the Bachelor of Health Science (Hearing and Speech) Pass and Honours courses are presented in Tables 9.2 and 9.2.1.

Table 9.2: Bachelor of Health Science (Hearing and Speech) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH068: Pass course; full-time, 3 years					
Pass course					
Year 1					
Semester 1					
BACH 1130	Foundations of Health Sociology	3			Semester 2, Semester 1
BACH 1132	Foundations of Health Psychology	3			Semester 1, Semester 2
BIOS 1116	Speech Science I	3			Semester 1
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry		Semester 1, Semester 2
BIOS 1132	Neuroscience I	3			Semester 2, Semester 1
CSCD 1024	Linguistics	3			Semester 1, Summer
CSCD 1026	Phonetics I	2			Semester 1, Summer
CSCD 1028	Normal Communication Development	3			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 1159	Cognitive Factors in Health	4	A BACH1 132 Foundations of Health Psychology or BACH1 133 Introduction to Health Psychology, or equivalent		Semester 2
BACH 2126	Maladaptive Behaviours/Behaviour Change	4	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology, or equivalent.		Semester 1, Semester 2
BIOS 1117	Speech Science II	3	A It is recommended that BIOS1116 Speech Science I be studied before enrolling in this unit. C BIOS 1118 Hearing Science		Semester 2
BIOS 1118	Hearing Science	4	A Recommended background unit of study BIOS 1116 Speech Science I C BIOS 1117 Speech Science II		Semester 2
BIOS 1141	Neuroscience II	3			Semester 1, Semester 2
CSCD 1025	Professional Development I	2			Semester 2
CSCD 1029	Articulation and Phonology	4	A CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I.		Semester 2
Semester 2 total: 24 credit points					
Year 2»					
Semester 1					
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
BIOS 2062	Neurobiology II: Communication Disorders	6	P BIOS1132 Neuroscience I, BIOS1141 Neuroscience II.		Semester 1
CSCD 2035	Phonetics II	2	A Recommended background units of study: CSCD1026 Phonetics I, BIOS1116 Speech Science I, BIOS1117 Speech Science II, BIOS1118 Hearing Science.		Semester 1
CSCD 2040	Audiology I	3	P BIOS1116 Speech Science I, BIOS 1117 Speech Science II, BIOS1118 Hearing Science		Semester 1
CSCD 2041	Language Impairments in Children I	3	P CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development.		Semester 1
CSCD 2043	Stuttering	3			Semester 1
CSCD 2051	Professional Development IIA	3	P CSCD 1025 Professional Development I.		Semester 1
CSCD 2053	Communication Fieldwork I	1	P CSCD 1029 Articulation and Phonology, CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I, CSCD 1025 Professional Development I		Semester 2, Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 2109	Cognitive Neuropsychology I	5	P BACH1 159 Cognitive Factors in Health		Semester 2
CSCD 2030	Voice Science and Disorders	4	P BIOS 1116 Speech Science I and BIOS 1117 Speech Science II.		Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
CSCD 2042 Language Impairments in Children II	3	P CSCD2041 Language Impairments in Children I.	Semester 2
CSCD 2046 Audiological Management I	3	A CSCD2040 Audiology I	Semester 2
CSCD 2047 Neurogenics I	3	A BIOS2062 Neurobiology II: Communication Disorders	Semester 2
CSCD 2052 Professional Development IIB	3	P CSCD2051 Professional Development IIA and either CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I C CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II	Semester 2
CSCD 2054 Communication Fieldwork II	3	P CSCD2053 Communication Fieldwork I. NB: Department permission required for enrolment.	Semester 2, Semester 1
<i>Semester 2 total: 24 credit points</i>			

Year 3

Semester 1

BACH 1145 Quantitative Health and Social Research	3	A Basic mathematics	Semester 2, Semester 1
BACH 3056 Patient Management Theories/Applications;	5	P BACH1132 Foundations of Health Psychology; BACH 1159 Cognitive Factors in Health; BACH2126 Maladaptive Behaviours/Behaviour Change.	Semester 1
CSCD 3024 Communication and Lifelong Disability	3	P CSCD 1028 Normal Communication Development	Semester 1
CSCD 3032 Professional Development III	3	A Recommended background unit of study: CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II P CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I; CSCD2052 Professional Development IIB.	Semester 1
CSCD 3056 Communication Fieldwork III	4	P CSCD2040 Audiology I, CSCD2054 Communication Fieldwork II, CSCD2042 Language Impairments in Children II.	Semester 1, Semester 2, Summer

Electives 6 (see note below)

Semester 1 total: 24 credit points

Semester 2

BACH 1031 Clients, Practitioners and Organisations	3	A BACH1130 Foundations of Health Sociology	Semester 1, Semester 2
BACH 1148 Health, Attitudes and Interaction	3	P BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology	Semester 2
BACH 3055 Cognitive Neuropsychology II	3	P BACH2109 Cognitive Neuropsychology I	Semester 2
CSCD 3034 Craniofacial Anomalies	3	A Recommended background units of study: BIOS1116 Speech Science I and BIOS1117 Speech Science II or CSCD2030 Voice Science and Disorders.	Semester 2
CSCD 3049 Audiological Management II	2	A Recommended background units of study: CSCD 1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I PCSCD2040 Audiology I	Semester 1, Semester 2
CSCD 3057 Communication Fieldwork IV	8	P CSCD2046 Audiological Management I; CSCD3056 Communication Fieldwork III	Semester 1, Semester 2, Summer

Elective 2 (see note below)

Semester 2 total: 24 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 3023 Neurogenics II	4	A Recommended background unit of study: CSCD2047 Neurogenics I.	Semester 1
CSCD 3055 Audiology II	4	PCSCD2040 Audiology I	Semester 1
CSCD 3059 Communication Studies	4		Semester 1
CSCD 3060 Readings 1	4		Semester 2, Semester 1
CSCD 3073 Readings II	4	NB: Department permission required for enrolment.	Semester 2, Semester 1

2 credit point electives

CSCD 3036 Language Impairments in Children III	2	A Recommended background unit of study: CSCD2049 Introductory Clinical II P CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II	Semester 2
CSCD 3037 Swallowing Impairments	2	P BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II.	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
CSCD 3058 Auditory Perception and Processing	2		P BIOS1118 Hearing Science, BIOS1141 Neuroscience II				Semester 1
CSCD 3061 Directed Readings	2						Semester 1, Semester 2
CSCD 3068 Directed Readings II	2						Semester 1, Semester 2

Table 9.2.1: Bachelor of Health Science (Hearing and Speech) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SH069: Honours program; full-time, 4 years							
Years 1 to 3							
As per Pass course							
Year 4							
Semester 1							
CSCD 4039 Honours Paper I	6		C CSCD4045 Honours Thesis I				Semester 1
CSCD 4045 Honours Thesis I	18		C CSCD4039 Honours Paper I				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
CSCD 4040 Honours Paper II	6		P CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I C CSCD4046 Honours Thesis II				Semester 2
CSCD 4046 Honours Thesis II	18		P CSCD4039 Honours Paper I and CSCD4045 Honours Thesis I C CSCD4040 Honours Paper II				Semester 2
<i>Semester 2 total: 24 credit points</i>							

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.

The School's Director of Clinical Education coordinates speech pathology students' clinical experiences. Ms Alison Purcell coordinates the fieldwork experiences.

Dates

Year 2

Pre-Semester 1

Orientation, Wednesday 1 to Friday 3 March, 2006

Semester 1

As arranged, 6 March to 30 June

Pre-Semester 2

Orientation, Wednesday 19 to Friday 21 July

Semester 2

As arranged, 24 July to 18 November

Year 3

Pre-Semester 1

Orientation, Wednesday 1 to Friday 3 March, 2006

Semester 1

As arranged, 6 March to 30 June

Inter-Semester

3 weeks in July

OR

3 or 4 weeks December to February

Pre-Semester 2

Orientation, Wednesday 19 to Friday 21 July

Semester 2

As arranged, 24 July to 18 November

Year 4

Pre-Semester 1 (only for students on-campus Semester 1)

Orientation, Wednesday 1 to Friday 3 March, 2006

Semester 1 or 2

As arranged, 6 March to 30 June OR 24 July to 18 November

Pre-Semester 2 (only for students on-campus Semester 2)

Orientation, Wednesday 19 to Friday 21 July

Semester 2 or 1

12 weeks, 6 March to 30 June OR 24 July to 18 November

Debriefing week for all year 4 students

Week 14 Semester 2

Units of study

BACH 1031 Clients, Practitioners and Organisations

3 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B A. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **Classes:** 13 Lectures, 13 Seminars. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology. **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.

Textbooks

Book of readings

BACH 1130 Foundations of Health Sociology

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B B Hlth Sc (Hons), B. Mr Ian Andrews, Ms Ann Hale. **Session:** Semester 2, Semester 1. **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 1132 Foundations of Health Psychology

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O. Ms Karen Pepper. **Session:** Semester 1, 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 1143 Designing Health Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Clng), B Hlth Sc (Rehab Clng) Hons, Cross Ins. Dr. Zakia Hossain, Dr. Rob Heard. **Session:** Semester 1, 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 develop skills in a selection of interview, survey, observational and epidemiological research designs. Database and literature review techniques will be introduced as well as issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Clng), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O H. UG Study Abroad Program. Dr. Gomathi Sithartan. **Session:** Semester 2. **Prerequisites:** BACH 1132 Foundations of Health Psychology or BACH1133 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences UG Non-Award, UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology, 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

5 credit points. B App Sc (MRS) Rad Thy, B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Steve Cumming. **Session:** Semester 2. **Classes:** On campus 1 week 1-5, 2 weeks 6-13. **Prerequisites:** BACH1159 Cognitive Factors in Health. **Assessment:** Assignments and examination.

This unit extends the study of normal cognition begun in BACH1159 Cognitive Factors in Health, introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive neuropsychological approach to understanding fundamental cognitive processes.

Textbooks

Cognitive Psychology. (3rd ed). Eysnck & Kerne. Psychology Press.

BACH 2126 Maladaptive Behaviours/Behaviour Change

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (OT) Hons, B App Sc (Phy), B App Sc (Phy) Hons, B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Health Sciences UG Non-Award. Dr Mairwen Jones. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology, or equivalent. **Assessment:** 25 minute small group (2-3 people) class presentation (problem and treatment) - 40%; MCQ/SAQ/Essay exam (2 hours) - 60%.

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

3 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Assoc Prof Lynne Harris. **Session:** Semester 2. **Prerequisites:** BACH2109 Cognitive Neuropsychology I. **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/Applications

5 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Chris Lennings, Dr Steve Cumming, Karen Pepper. **Session:** Semester 1. **Prerequisites:** BACH1132 Foundations of Health Psychology; BACH 1159 Cognitive Factors in Health; BACH2126 Maladaptive Behaviours/Behaviour Change.

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.

BIOS 1116 Speech Science I

3 credit points. B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Helen Ritchie. **Session:** Semester 1. **Classes:** On campus. **Assessment:** Mid-semester exam (20%), end semester exam (80%).

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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Helen Ritchie. **Session:** Semester 2. **Classes:** On campus 3+ hours/week. **Assumed Knowledge:** It is recommended that BIOS1116 Speech Science I be studied before enrolling in this unit. **Corequisites:** BIOS1118 Hearing Science. **Assessment:** Mid-semester exam (25%), end of semester exam (75%).

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

4 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Helen Ritchie. **Session:** Semester 2. **Classes:** On campus 4+ hours/week. **Assumed Knowledge:** Recommended background unit of study BIOS 1116 Speech Science I. **Corequisites:** BIOS 1117 Speech Science II. **Assessment:** Assignment, end of semester 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 1126 Human Biology and Biochemistry

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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 1132 Neuroscience I

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 2, 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 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 1141 Neuroscience II

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Study Abroad Program. Dr Ros Bohringer. **Session:** Semester 1, 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: Communication Disorders

6 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr. Roslyn Bohringer. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** BIOS 1132 Neuroscience I, BIOS 1141 Neuroscience II. **Assessment:** Mid semester exam 30% and Final exam 70%.

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.

CSCD 1024 Linguistics

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program, UG Summer/Winter School. Dr Linda Hand. **Session:** Semester 1, Summer.

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

2 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Belinda Kenny. **Session:** 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

2 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program, UG Summer/Winter School. Dr Elise Baker. **Session:** Semester 1, Summer. 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

3 credit points. B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Patricia McCabe. **Session:** Semester 1.

Normal communication development in English from birth to old age, across cultures relevant to Australia.

CSCD 1029 Articulation and Phonology

4 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Elise Baker. **Session:** Semester 2. **Assumed Knowledge:** CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I.

Nature of phonological and articulatory disorders; techniques for the assessment, analysis, and intervention.

CSCD 2030 Voice Science and Disorders

4 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** BIOS 1116 Speech Science I and BIOS 1117 Speech Science II.

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

2 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** Recommended background units of study: CSCD 1026 Phonetics I, BIOS1116 Speech Science I, BIOS 1117 Speech Science II, BIOS1118 Hearing Science.

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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Kerrie Lee. **Session:** Semester 1. **Prerequisites:** BIOS 1116 Speech Science I, BIOS 1117 Speech Science II, BIOS1118 Hearing Science.

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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Linda Hand. **Session:** Semester 1. **Prerequisites:** CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development. 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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Linda Hand. **Session:** Semester 2. **Prerequisites:** CSCD2041 Language Impairments in Children I.

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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** 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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Kerrie Lee. **Session:** Semester 2. **Assumed Knowledge:** CSCD2040 Audiology I.

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 Neurogenics I

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Ms Christine Sheard. **Session:** Semester 2. **Assumed Knowledge:** BIOS2062 Neurobiology II: Communication Disorders.

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 Clinical I

1 credit point. B App Sc (Sp Path), Health Sciences PG Non Award, UG Study Abroad Program. Dr Patricia McCabe. **Session:** Semester 2, Semester 1. **Prerequisites:** CSCD 1029 Articulation and Phonology, CSCD 1024 Linguistics, CSCD 1028 Normal Communication Development, CSCD 1026 Phonetics I, CSCD 1025 Professional Development I.

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 Clinical II

3 credit points. B App Sc (Sp Path), Health Sciences PG Non Award, UG Study Abroad Program, UG Summer/Winter School. Dr Patricia McCabe. **Session:** Semester 1, Semester 2, Summer. **Prerequisites:** CSCD2048 Introductory Clinical I, CSCD2043 Stuttering.

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

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 1. **Prerequisites:** CSCD 1025 Professional Development I.

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 attend lectures and tutorials which consider issues related to their concurrent clinical practice. Recommended co-enrolment in CSCD 2048 Introductory Clinical I or CSCD 2053 Communication Fieldwork I.

CSCD 2052 Professional Development IIB

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 2.

Prerequisites: CSCD2051 Professional Development IIA and either CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I. **Corequisites:** CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II.

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 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. Students must be co-enrolled in clinic or fieldwork to complete the assessment requirements for this unit of study.

CSCD 2053 Communication Fieldwork I

1 credit point. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Alison Purcell. **Session:** Semester 2, Semester 1. **Prerequisites:** CSCD 1029 Articulation and Phonology, CSCD1024 Linguistics, CSCD1028 Normal Communication Development, CSCD 1026 Phonetics I, CSCD 1025 Professional Development I.

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.

CSCD 2054 Communication Fieldwork II

3 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Alison Purcell. **Session:** Semester 2, Semester 1. **Prerequisites:** CSCD2053 Communication Fieldwork I.

NB: Department permission required for enrolment.

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 Neurogenics II

4 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Christine Sheard. **Session:** Semester 1. **Assumed Knowledge:** Recommended background unit of study: CSCD2047 Neurogenics I.

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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Dr Susan Balandin. **Session:** Semester 1. **Prerequisites:** CSCD 1028 Normal Communication Development. **Assessment:** Mid semester critical review (paired task), End of semester Viva (groups of 4). Both assessments and site visit must be completed to pass this unit.

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 linguistically diverse populations will be explored

Textbooks

Beukelman, D., & Mirenda, P. (1998). *Augmentative and Alternative Communication: Management of Severe Communication Disorders in Children and Adults*. (2nd ed.). Baltimore: Paul H. Brooks.

Book of readings provided at cost

CSCD 3032 Professional Development III

3 credit points. B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 1. **Assumed Knowledge:** Recommended background unit of study: CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II. **Prerequisites:** CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I; CSCD2052 Professional Development IIB.

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 become involved in the running and maintenance of the clinical tests and materials collection.

CSCD 3034 Craniofacial Anomalies

3 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. Ms Alison Purcell. **Session:** Semester 2. **Assumed Knowledge:** Recommended background units of study: BIOS 1116 Speech Science I and BIOS 1117 Speech Science II or CSCD2030 Voice Science and Disorders.

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

2 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Linda Hand. **Session:** Semester 2. **Assumed Knowledge:** Recommended background unit of study: CSCD2049 Introductory Clinical II. **Prerequisites:** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II.

Advanced concepts in the assessment of and intervention for language impairment in children.

CSCD 3037 Swallowing Impairments

2 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Misc, UG Study Abroad Program. Ms Christine Sheard. **Session:** Semester 1. **Prerequisites:** BIOS2062 Neurobiology II: Communication Disorders, BIOS 1116 Speech Science I, BIOS 1117 Speech Science II.

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

2 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Ms Alison Purcell. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** Recommended background units of study: CSCD 1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I. **Prerequisites:** CSCD2040 Audiology I.

Theoretical and clinical issues related to assessment and intervention of the communication problems of children with acquired and congenital hearing loss.

CSCD 3050 Intermediate Clinical IH

4 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1, Semester 2. **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II. *NB: Department permission required for enrolment.*

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 Honours Research Seminar I

2 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Susan Balandin. **Session:** 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 IIIB

1 credit point. B App Sc (Sp Path) Hons, UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 1. **Assumed Knowledge:** Recommended background unit of study: CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II. **Prerequisites:** CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I; CSCD2052 Professional Development IIB.

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 are involved in the running and maintenance of the clinical tests and materials collection.

CSCD 3053 Intermediate Clinical IIB

7 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1, Semester 2. **Prerequisites:** CSCD3050 Intermediate Clinical IH; BIOS2062 Neurobiology II: Communication Disorders; CSCD3023 Neurogenetics II; CSCD3037 Swallowing Impairments; CSCD2030 Voice Science and Disorders. **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 CSCD3023 NeurogeneticsII, CSCD3037 Swallowing Impairments and their Speech and Language Assessment clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

Textbooks

Clinic Handbook

CSCD 3054 Honours Research Seminar II

1 credit point. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Susan Balandin. **Session:** Semester 2. **Prerequisites:** CSCD3051 Honours Research Seminar I.

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 project.

CSCD 3055 Audiology II

4 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Kerrie Lee. **Session:** Semester 1. **Prerequisites:** CSCD2040 Audiology I.

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

4 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program, UG Summer/Winter School. Ms Alison Purcell. **Session:** Semester 1, Semester 2, Summer. **Prerequisites:** CSCD2040 Audiology I, CSCD2054 Communication Fieldwork II, CSCD2042 Language Impairments in Children II.

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

8 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program, UG Summer/Winter School. Ms Alison Purcell. **Session:** Semester 1, Semester 2, Summer. **Prerequisites:** CSCD2046 Audiological Management I; CSCD3056 Communication Fieldwork III.

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

2 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Kerrie Lee. **Session:** Semester 1. **Prerequisites:** BIOS1118 Hearing Science, BIOS1141 Neuro science II.

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

4 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. **Session:** 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 Readings 1

4 credit points. B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program. **Session:** Semester 2, Semester 1.

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

2 credit points. B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Misc, UG Study Abroad Program. **Session:** Semester 1, Semester 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 Clinical IA

4 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1, Semester 2. **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II. **Assessment:** Assessment of clinical competency at mid and end of each placement.

NB: Department permission required for enrolment.

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.

Textbooks
Clinic Handbook

CSCD 3064 Intermediate Clinical IIA

8 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1, Semester 2. **Prerequisites:** CSCD3063 Intermediate Clinical IA, BIOS2062 Neurology II: Communication Disorders, CSCD3023 Neurogenics II,

CSCD3037 Swallowing Impairments, CSCD2030 Voice Science and Disorders. **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 CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

Textbooks
Clinic Handbook

CSCD 3065

*** No info available for 2006. ***

CSCD 3066

*** No info available for 2006. ***

CSCD 3068 Directed Readings II

2 credit points. B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Misc, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

This unit of study allows students to work with a supervisor to explore a major area of specialty in the School via readings, seminars

and self-directed learning. This unit of study may be taken as an elective unit with the permission of the Head of School.

CSCD 3073 Readings II

4 credit points. B Hlth Sc (Hearing&Speech), UG Study Abroad Program. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

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 taken as an elective unit with the permission of the Head of School.

CSCD 4026 Advanced Topics A

6 credit points. B App Sc (Sp Path), UG Study Abroad Program. Ms Christine Sheard. **Session:** Semester 1. **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments.

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

6 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 1. **Prerequisites:** CSCD3032 Professional Development III; CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB.

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 health issues. Students continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD 4028 Advanced Clinical IA

10 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB. **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 with their clinical educators and other students. Students also participate in the Advanced Assessment Clinic and Intake Clinic.

Textbooks
Clinic Handbook

CSCD 4029 Advanced Clinical IIA

24 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate IIB.

Students are placed in two off-campus clinic, hospital, or other settings for four days per week for two 6-week blocks 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

6 credit points. B App Sc (Sp Path), UG Study Abroad Program. Ms Christine Sheard. **Session:** Semester 2. **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments.

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

6 credit points. B App Sc (Sp Path), UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 2. **Prerequisites:** CSCD3032 Professional Development III; CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB.

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 health issues. Students will continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD 4032 Advanced Clinical IB

10 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB. **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.

Textbooks
Clinic Handbook

CSCD 4033 Advanced Clinical IIB

24 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1. **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB. **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 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.

Textbooks
Clinic Handbook

CSCD 4035 Advanced Clinical IH

22 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1. **Prerequisites:** CSCD3052 Intermediate Clinical IIA. **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.

Textbooks
Clinic Handbook

CSCD 4036 Professional Development IVH

2 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Ms Belinda Kenny. **Session:** Semester 1. **Prerequisites:** CSCD3052 Professional Development IIIH; CSCD3053 Intermediate Clinical IIIH.

Students enrolled in this unit of study 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 Clinical IIIH

12 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Prerequisites:** CSCD3053 Intermediate Clinical IIIH. 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

10 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Susan Balandin. **Session:** Semester 2. **Prerequisites:** CSCD3051 Honours Research Seminar I;

CSCD3054 Honours Research Seminar II; 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 Paper I

6 credit points. B Hlth Sc (Hearing&Speech)Hons, UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** CSCD4045 Honours Thesis I.

Each student engages in an in-depth 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

6 credit points. B Hlth Sc (Hearing&Speech)Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I. **Corequisites:** CSCD4046 Honours Thesis II.

The student continues the literature review related to the research project and prepares an integrated paper on the topic. Seminars support students' work.

CSCD 4042 Clinical Mentoring A

2 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 1. **Corequisites:** CSCD4028 Advanced Clinical IA.

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

2 credit points. B App Sc (Sp Path), UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Corequisites:** CSCD4032 Advanced Clinical IB.

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

2 credit points. B App Sc (Sp Path) Hons, UG Study Abroad Program. Dr Michelle Lincoln. **Session:** Semester 2. **Prerequisites:** CSCD4037 Advanced Speech Pathology Clinical IIIH.

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 4045 Honours Thesis I

18 credit points. B Hlth Sc (Hearing&Speech)Hons, UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** CSCD4039 Honours Paper I.

This unit of study provides the student with the opportunity to undertake a supervised research project. The student develops a research study and submits an ethics proposal.

CSCD 4046 Honours Thesis II

18 credit points. B Hlth Sc (Hearing&Speech)Hons, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** CSCD4039 Honours Paper I and CSCD4045 Honours Thesis I. **Corequisites:** CSCD4040 Honours Paper II.

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 serves as the supervisor.

10. School of Exercise and Sport Science

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 embedded in the School's mission. The School is proud of its reputation in producing high calibre graduates; its coursework programs 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), Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing, 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, telephone +612 9351 9612 or from the School's website (<http://www.fhs.usyd.edu.au/ess/>) or from Student Administration Unit, telephone +61 2 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.

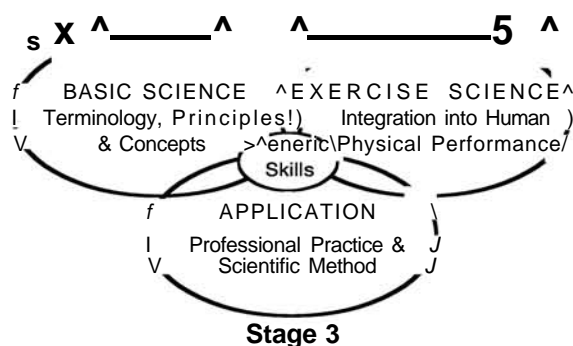
About the course

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 Tables 10.1 and 10.1.1.

Professional experience

Students must complete 100 hrs of approved professional experience (Practicum) by the end of 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)Pass

<i>Unit</i>	<i>of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SH088: Pass course; full-time, 3 years								
Year 1								
Semester 1								
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences;	BACH 1133 Introduction to Health Psy-				Semester 2, Semester 1
BIOS 1137	Introductory Neuro science	3						Semester 1
BIOS 1159	Functional Anatomy A - Exercise Science	6						Semester 1
EXSS 1018	Biomechanics of Human Movement	6	A HSC Mathematics					Semester 1
EXSS 1031	Cell Metabolism and Biochemistry	3	A Biology and Chemistry					Semester 1
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
BIOS 1133	Body Systems: Structure & Function I	3	A BIOS1 130 Molecules and Energy or CHEMI 101 Chemistry IA					Semester 2
BIOS 1160	Functional Anatomy B - Exercise Science	6						Semester 2
EXSS 1029	Muscle Mechanics & Training	6	A BIOS1 137 Introductory Neuroscience P BIOS1 130 Molecules & Energy or CHEMI 101 Chemistry IA					Semester 2
EXSS 1032	Fundamentals of Exercise Science	6						Semester 2
EXSS 1030	Sport First Aid/Trainer	3						Semester 2, Semester 1
or								
EXSS 1034	Sport Coaching	3						Semester 2
<i>Semester 2 total: 24 credit points</i>								
Year 2								
Semester 1								
BIOS 2098	Body Systems: Structure & Function II	3	A BIOS1 130 Molecules and Energy or CHEMI 101 Chemistry IA					Semester 1

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
EXSS 2016	Motor Control	3	P BIOS 1137 Introductory Neuroscience	Semester 1
EXSS 2017	Biochemistry of Exercise	6	P BIOS 1130 Molecules and Energy	Semester 1
EXSS 2018	Biomechanical Analysis of Movement	6	P EXSS 1018 Biomechanics of Human Movement	Semester 1
EXSS 2019	Exercise Physiology - Acute Responses	6	P BIOS1133 Body Systems: Structure & Function I, EXSS1019 Fundamentals of Exercise Science	Semester 1
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
EXSS 2021	Nutrition, Health and Performance	6	P EXSS2017 Biochemistry of Exercise	Semester 2
EXSS 2022	Exercise Physiology Training Adaptations	6	A EXSS2017 Biochemistry of Exercise P EXSS2019 Exercise Physiology - Acute Responses	Semester 2
EXSS 2025	Motor Control and Learning	6	A EXSS 2016 Motor control	Semester 2
EXSS 2026	Growth, Development and Ageing	6		Semester 2
<i>Semester 2 total: 24 credit points</i>				
Year 3				
Semester 1				
EXSS 3023	Exercise Testing and Prescription	6	P EXSS2022 Exercise Physiology Training Adaptations	Semester 1
EXSS 3024	Exercise, Health and Disease	6	P EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations	Semester 1
EXSS 3036	Research and Practice	6	A Basic biomechanics, physiological and motor learning principles, basic hypothesis training, elementary knowledge of exercise science industry.	Semester 1
Elective (see note below) 6				
Choose one elective (6 credit points each) from the list below. Note you must choose at least one elective marked * or both. 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.				
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
EXSS 3027	Exercise and Rehabilitation	6	P EXSS2019 Exercise Physiology-Acute Responses, EXSS2022 Exercise Physiology Training Adaptations, and EXSS3024 Exercise, Health and Disease	Semester 2
Electives (see note below) 18				
Choose three electives (6 credit points each) from the following. 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.				
BACH 3130	Sport, Society & Social Theory	6	P BACH1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or Introduction to Health Sociology N BACH3081 Sociology of Sport.	Semester 2
EXSS 3037	Exercise, Pharmacology & Immunology	6	P BIOS 1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses.	Semester 1
EXSS 3038	Ergonomics	6	A BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B, EXSS1018 Biomechanics of Human Movement (or equivalent).	Semester 1, Semester 2
EXSS 3039	Applied Biomechanics	6	P EXSS 1018 Biomechanics of Human Movement NB: Department permission required for enrolment.	Semester 2, Semester 1
EXSS 3040	Physiological Testing and Training	6	P EXSS2022 Exercise Physiology Training Adaptations.	Semester 1, Semester 2
EXSS 3041	Management, Marketing and the Law	6		Semester 1, Semester 2
<i>Semester 2 total: 24 credit points</i>				

Table 10.1.1: Bachelor of Applied Science (Exercise and Sport Science) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code SH054: Honours program; full-time, 4 years			
Years 1 to 3			
As per Pass course			
Year 4			
Semester 1			
EXSS 4004	Honours Thesis A	24	Semester 1
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
EXSS 4005	Honours Thesis B	24	PEXSS4004 Honours Thesis - Part A Semester 2
<i>Semester 2 total: 24 credit points</i>			

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 (e.g. 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. Some 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) and Bachelor of Science (Nutrition) degree 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 outline

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.

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 under Bachelor of Applied Science (Exercise and Sport Science) above.

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 (e.g. 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.

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

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session		
Course code SH093: full-time, 5 years				
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 NUTR2911, NUTR2912, NUTR3911 and NUTR3921, 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&Ntr)SH15.				
Year1				
Semester 1				
CHEM 1101	Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1001 or 1901 or 1903 or 1909)	Semester 1, Semester 2, Summer
or				
CHEM 1908	Chemistry 1 Life Sciences A (Advanced)	6	P UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1002 or 1102 or 1902 or 1904) NB: Department permission required for enrolment. This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.	Semester 1
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology	Semester 2, Semester 1
BIOS 1159	Functional Anatomy A - Exercise Science	6		Semester 1
EXSS 1018	Biomechanics of Human Movement	6	A HSC Mathematics	Semester 1
Semester 1 total: 24 credit points				
Semester 2				
CHEM 1102	Chemistry IB	6	P CHEM (1101 or 1901) or a Distinction in CHEM 1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1002 or 1902 or 1904 or 1908)	Semester 2, Semester 1, Summer
or				
CHEM 1909	Chemistry 1 Life Sciences B (Advanced)	6	P CHEM 1908 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics. N CHEM (1001 or 1101 or 1901 or 1903) NB: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.	Semester 2
MBLG 1001	Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry NAGCH2001 or BCHM(2001 or 2101 or 2901) or MBLG (2101 or 2901 or 2001 or 2111 or 2771 or 2871)	Semester 2
BIOS 1133	Body Systems: Structure & Function I	3	A BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA	Semester 2
BIOS 1160	Functional Anatomy B - Exercise Science	6		Semester 2
EXSS 1033	Principles of Exercise Science	3		Semester 2
Semester 2 total: 24 credit points				

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Year 2					
Semester 1					
MATH 1015	Life Science Statistics	3	A HSC Mathematics N MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study.		Semester 1
MBLG 2071	Molecular Biology and Genetics A	6	P MBLG 1001 and 12 CP of Junior Chemistry. N MBLG (2971 or 2001 or 2101 or 2901 or 2111) or PLNT2001 or AGCH2001 or BCHM (2001 or 2101 or 2901). NB: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.		Semester 1
NUTR 2911	Food Science Introductory (Advanced)	6	P MBLG 1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. NNUTR2901		Semester 1
BIOS 2098	Body Systems: Structure & Function II	3	A BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA		Semester 1
EXSS 2019	Exercise Physiology - Acute Responses	6	P BIOS 1133 Body Systems: Structure & Function I, EXSS 1019 Fundamentals of Exercise Science		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BCHM 2072	Human Biochemistry	6	P Either MBLG 1001 and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 N BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112		Semester 2
NUTR 2912	Nutritional Science Introductory (Adv)	6	ANUTR2911 P MBLG1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. NNUTR2902		Semester 2
EXSS 1029	Muscle Mechanics & Training	6	A BIOS 1137 Introductory Neuroscience P BIOS1130 Molecules & Energy or CHEM1101 Chemistry IA		Semester 2
EXSS 2022	Exercise Physiology Training Adaptations	6	A EXSS2017 Biochemistry of Exercise P EXSS2019 Exercise Physiology - Acute Responses		Semester 2
Semester 2 total: 24 credit points					
Year 3 (first offered in 2006)					
Semester 1					
MATH 1011	Life Sciences Calculus	3	A HSC Mathematics NMATH (1111 or 1001 or 1901 or 1906).		Semester 1, Summer
EXSS 2016	Motor Control	3	P BIOS 1137 Introductory Neuroscience		Semester 1
EXSS 2018	Biomechanical Analysis of Movement	6	P EXSS 1018 Biomechanics of Human Movement		Semester 1
EXSS 3023	Exercise Testing and Prescription	6	P EXSS2022 Exercise Physiology Training Adaptations		Semester 1
EXSS 3024	Exercise, Health and Disease	6	P EXSS2019 Exercise Physiology- Acute Responses and EXSS2022 Exercise Physiology Training Adaptations		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
STAT 2012	Statistical Tests	6	A STAT (2011 or 2002) P MATH (1005 or 1905 or 1015) N STAT (2004 or 2912)		Semester 2
EXSS 2025	Motor Control and Learning	6	A EXSS 2016 Motor control		Semester 2
EXSS 2026	Growth, Development and Ageing	6			Semester 2
EXSS 3027	Exercise and Rehabilitation	6	P EXSS2019 Exercise Physiology-Acute Responses, EXSS2022 Exercise Physiology Training Adaptations, and EXSS3024 Exercise, Health and Disease		Semester 2
Semester 2 total: 24 credit points					
Year 4 (first offered in 2007)					
Semester 1					
NUTR 3911	Nutritional Assessment Methods	6	P NUTR2911 and NUTR2912 NNUTR3901		Semester 1
NUTR 3921	Methods in Nutrition Practice	6	P NUTR2911 and NUTR2912 NNUTR3901		Semester 1
EXSS 3037	Exercise, Pharmacology & Immunology	6	P BIOS 1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology -Acute Responses.		Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EXSS 3042 Nutrition for Health, Exercise & Sport	6	PCHEM1102					Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BCHM 3072 Human Molecular Cell Biology	6	P (MBLGI001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and 6CP of Intermediate BCHM Semester 2 units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804)	N BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904				
		NB: From 2007 the prerequisites will be : MBLGI001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804					
BCHM 3082 Medical and Metabolic Biochemistry	6	P (MBLGI001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and (6CP of Intermediate BCHM Semester 2 units or MBLG 2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804)	N BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904.				
		NB: From 2007 the prerequisites will be : MBLGI001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804					
NUTR 3912 Community and Public Health Nutrition	6	PNUTR2911 andNUTR2912	N NUTR3902				Semester 2
NUTR 3922 Nutrition and Chronic Disease	6	PNUTR2911 andNUTR2912	N NUTR3902				Semester 2
<i>Semester 2 total: 24 credit points</i>							

Note

1. 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	NB: Department permission required for enrolment.					Semester 1
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Semester 1 total: 24 credit points

Semester 2

NUTR 4002 Clinical Nutritional Science B	24	NB: Department permission required for enrolment.					Semester 2
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Semester 2 total: 24 credit points

Note

2.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	NB: Department permission required for enrolment.					Semester 1, Semester 2
NUTR 4102 Nutrition Research B	12	C NUTR 4101					Semester 1, Semester 2

Semester 1 total: 24 credit points

Semester 2

NUTR 4103 Nutrition Research C	12	C NUTR 4102					Semester 1, Semester 2
NUTR 4104 Nutrition Research D	12	C NUTR 4103					Semester 2, Semester 1

Semester 2 total: 24 credit points

Note

3.Students can exit here with BAppSc (Ex & Sport Sc) & BSc (Nut) with Honours in Nutrition

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 (e.g. 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 outline

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 for Bachelor of Applied Science (Exercise and Sport Science).

Careers

Employment opportunities for students who complete the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) 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)

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code SHI 15: Pass course; full-time, 4 years			
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	Honours Thesis A	24	Semester 1
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
EXSS 4005	Honours Thesis B	24	PEXSS4004 Honours Thesis - Part A Semester 2
<i>Semester 2 total: 24 credit points</i>			

Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing

The Bachelor of Applied Science (Exercise & Sport Science)/Master of Nursing is a 4 year preregistration course for students wishing to undertake a combined degree. Students are required to complete 96 credit points in the Bachelor of Applied Science (Exercise & Sport Science) and 96 credit points in the Master of Nursing. Master of

Nursing units are begun in the second year of the undergraduate degree.

Students are generally expected to obtain a credit average in Year 1 to be permitted to commence study in the Master of Nursing in Year

2. Students are not permitted to enrol in Year 4 units without having completed their Bachelor of Applied Science (Exercise & Sport Science) degree.

The combined study of exercise and sport science with a professional qualification in nursing means that graduates have broader range of skills and knowledge. Examples include employment in the sport industry, fitness industry, health industry, occupational health and safety, public health, rehabilitation, research and technology, education and medical insurance.

At the conclusion of the course, students, subject to the requirements of the Nurses Act of NSW, will be eligible to apply for registration with the Nurses and Midwives Board, NSW.

Admission requirements

Candidates should refer to the Faculty of Health Sciences and Faculty of Nursing and Midwifery handbooks for admission requirements.

Prospective students should note in particular Division 5, 29A of the Nurses Act 1991 No 9 as described in the course description for the Master of Nursing.

Course outline

The course outline for the Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing course is presented in Table 10.4.

Table 10.4: Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code GH018: Pass course; full-time, 4 years					
Year 1 (first offered in 2006)					
Semester 1					
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology		Semester 2, Semester 1
BIOS 1159	Functional Anatomy A - Exercise Science	6	Semester 1		
BIOS 1137	Introductory Neuroscience	3	Semester 1		
EXSS 1018	Biomechanics of Human Movement	6	A HSC Mathematics		Semester 1
EXSS 1031	Cell Metabolism and Biochemistry	3	A Biology and Chemistry		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BIOS 1133	Body Systems: Structure & Function I	3	A BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA		Semester 2
BIOS 1160	Functional Anatomy B - Exercise Science	6	Semester 2		
EXSS 1030	Sport First Aid/Trainer	3	Semester 2, Semester 1		
EXSS 1032	Fundamentals of Exercise Science	6	Semester 2		
EXSS 2025	Motor Control and Learning	6	A EXSS 2016 Motor control		Semester 2
Semester 2 total: 24 credit points					
Year 2 (first offered in 2007)					
Semester 1					
BIOS 2098	Body Systems: Structure & Function II	3	A BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA		Semester 1
EXSS 2016	Motor Control	3	P BIOS 1137 Introductory Neuroscience		Semester 1
EXSS 2027	Exercise Physiology for Clinicians	6	P EXSS1032 Fundamentals of Exercise Science,BIOS1133 body systems: Structure & Function.		Semester 1
NURS 5001	Nursing Concepts: Bodies and Boundaries	6	Semester 1		
NURS 5003	Observation in Nursing Practice	6	Semester 1a		
Semester 1 total: 24 credit points					
Semester 2					
EXSS 2026	Growth, Development and Ageing	6	Semester 2		
NURS 5002	Social Contexts of Health	6	Semester 1, Semester 2		
NURS 5004	Applied Nursing Practice	6	Semester 1b, Semester 2		
NURS 5006	Illness Experience and Nursing Care	6	Semester 2		
Semester 2 total: 24 credit points					
Year 3 (first offered in 2008)					
Semester 1					
EXSS 3023	Exercise Testing and Prescription	6	P EXSS2022 Exercise Physiology Training Adaptations		Semester 1
EXSS 3024	Exercise, Health and Disease	6	P EXSS2019 Exercise Physiology- Acute Responses and EXSS2022 Exercise Physiology Training Adaptations		Semester 1
EXSS 3042	Nutrition for Health, Exercise & Sport	6	PCHEM1102		Semester 1
NURS 5007	Mental Health Nursing Practice I	6	Semester 1, Semester 2		
Semester 1 total: 24 credit points					

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Semester 2				
EXSS 3027	Exercise and Rehabilitation	6	P EXSS2019 Exercise Physiology-Acute Responses, EXSS2022 Exercise Physiology Training Adaptations, Semester 2 and EXSS3024 Exercise, Health and Disease	
EXSS 3038	Ergonomics	6	A BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B, EXSS1018 Biomechanics of Human Movement (or equivalent).	Semester 1, Semester 2
NURS 5005	Biomedical Therapies and Nursing	6		Semester 1, Semester 2
NURS 5008	Acute Care and Nursing Practice I	6	P NURS5004	Semester 2
Semester 2 total: 24 credit points				
Year 4 (first offered in 2009)				
Semester 1				
NURS 6001	Nursing Observations and Bio Parameters	6		Semester 1
EXSS 6002	Research Thesis			Semester 1, Semester 2
EXSS 6003	Research Thesis			Semester 1, Semester 2
NURS 6004	Nursing and the Politics of Health Care	6		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
NURS 6005	Acute Care and Nursing Practice II	6	P NURS 5008 and NURS 6001	Semester 2
NURS 6006	Mental Health Nursing Practice II	6	P NURS 5007	Semester 2
NURS 6007	Community Nursing	6		Semester 2
NURS 6008	Inquiry and Research in Nursing	6		Semester 2
Semester 2 total: 24 credit points				
Notes				
1. Student can EXIT following Year one and still complete Bachelor of Applied Science (Exercise and Sport Science) in 3 years.				
2. Student can EXIT following Year two and still complete Bachelor of Applied Science (Exercise and Sport Science) in 3 years. To complete Bachelor of Applied Science (Exercise and Sport Science) degree in 3 years, they MUST declare this intention at commencement of Year 3, to allow taking a further 30 credit points of EXSS Units of Study. Therefore in Year 3 the exiting student could take Biomechanical Analysis of Movement in Semester 1, and in Semester 2 take Exercise Physiology Training Adaptations and Muscle Mechanics and Training. Progression to the third and fourth years of this combined program requires a credit point average				

Units of study

BACH 1161 Introductory Behavioural Health Sciences

6 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS)Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 4 Hours/week. **Prohibitions:** BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology. **Assessment:** Class Exercise, 17.5%, Mid semester assignment: 25%, End of semester examinations 57.5%.

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing, as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology, and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet, and exercise adherence.

Specifically, the sociology component of the unit will examine 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 wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exercise and fitness, health promotion, psychological changes across the lifespan).

Textbooks
TBA

BACH 3130 Sport, Society & Social Theory

6 credit points. B App Sc (Ex &Sp Sc), B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Prerequisites:** BACH 1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or Introduction to Health Sociology. **Prohibitions:** BACH3081 Sociology of Sport.. **Assessment:** Assignments and examination.

This unit draws on the work of numerous social theorists to elucidate the origins, nature, and prospects of modern sporting forms and practices. The theorists covered include Norbert Elias, Max Weber, Emile Durkheim, Karl Marx, Antonio Gramsci, and Jurgen Habermas.

mas. The topics covered include: the social development of modern sports; the functional similarities of sport and religion; ideology, power and politics in contemporary sport; gender, feminism and women's sport; the history of the Olympic Games; the structural transformation of professional football leagues; and the role of sport in the formation of self-identity.

Textbooks

book of readings.

BCHM 2072 Human Biochemistry

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. A/Prof Gareth Denyer. **Session:** Semester 2. **Classes:** 2 lee, 6 prac in alternate wks. **Prerequisites:** Either MBLG100I and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971. **Prohibitions:** BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112. **Assessment:** One 3 hr exam, practical reports.

This unit of study aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage, there is emphasis on the 'whole body' consequences of reactions, pathways and processes at the cellular level.

Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients.

Signal Transduction covers how communication across membranes occurs (i.e. via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting.

The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be nurtured by frequent use of computers and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercises designed to teach oral communication, instruction writing and feedback articulation skills.

BIOS 1133 Body Systems: Structure & Function I

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B App Sc (Phy), B App Sc (Phy), Misc, UG Study Abroad Program. Dr Ann Murphy. **Session:** Semester 2. **Classes:** On campus, 33 hours. **Assumed Knowledge:** BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA. **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 1137 Introductory Neuroscience

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B App Sc (Phy), B App Sc (Phy), B Hlth Sc, Cross Institutional Enrolment, Health Sciences UG Non-Award, UG Study Abroad Program. Dr Alan Freeman. **Session:** 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 1159 Functional Anatomy A - Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Meg Stuart. **Session:** Semester 1. **Classes:** 3 hours lecture plus 2 hours practical/tutorial per week. **Assessment:** Mid Semester exam (20%), End semester prac exam (40%), End semester exam (40%).

This unit of study will commence with an introduction to the study of anatomy with particular reference to the musculoskeletal system. Content: a detailed study of the gross anatomical structure and

functional anatomy of the upper limb; the application of anatomical principles to the analysis of movement (for example, reaching and throwing); the histological features of the tissues of the musculoskeletal system, and the ways in which some of these tissues are altered by varying activity states. Students will be expected to undertake a number of independent learning activities and to participate in a number of online tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

Anatomy and Human Movement (4th Ed) Palastanga, Field and Soames. Butterworth Heinemann
McMinn's Colour Atlas of Anatomy (4th Ed) Abrahams, Hutchings and marks. Mosby Publisher

BIOS 1160 Functional Anatomy B - Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Catherine Willis. **Session:** Semester 2. **Classes:** 5 hours per week. **Assessment:** Mid semester practical exam (30%), end semester practical exam (30%) and end semester exam (40%).

This unit of study presents a detailed study of the gross anatomical structure and functional anatomy of the lower limb, vertebral column, thorax and pelvis. Content will include application of anatomical principles to the analysis of movement. Students will be expected to undertake a number of independent learning activities including participating in on-line tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged. A module examining the analysis of integrated movements of upper and lower limbs will also be presented.

BIOS 2098 Body Systems: Structure & Function II

3 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. Dr Patricia Woodman. **Session:** Semester 1. **Assumed Knowledge:** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA. **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 IA

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Wint. **Session:** Semester 1, Semester 2, Summer. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed Knowledge:** HSC Chemistry and Mathematics. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1001 or 1901 or 1903 or 1909). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

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

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

Textbooks

A booklet is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1102 Chemistry IB

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Semester 1, Summer. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM 1001 or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1002 or 1902 or 1904 or 1908). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

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

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

Textbooks

A booklet is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1908 Chemistry 1 Life Sciences A (Advanced)

6 credit points. B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1. **Classes:** 3 x 1hr lee + 1 tut/wk + 3 hrs prac/wk for 10 wks. **Prerequisites:** UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recom-

mended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1002 or 1102 or 1902 or 1904). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment. This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hr): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: atomic structure, chemical bonding and organic chemistry of functional groups with applications in life sciences.

Tutorials (13 hr): These will provide aspects of problem solving relevant to the theory.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1909 Chemistry 1 Life Sciences B (Advanced)

6 credit points. B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2. **Classes:** 3 x 1hr lee + 1 tut/wk + 3 hrs prac/wk for 10 wks. **Prerequisites:** CHEM 1908 or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics.. **Prohibitions:** CHEM (1001 or 1101 or 1901 or 1903). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hr): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: chemical equilibria, solutions, acids and bases, ions in solution, redox reactions, colloids and surface chemistry, the biological periodic table, chemical kinetics and radiochemistry with applications to life sciences.

Tutorials (13 hr): These will provide aspects of problem solving relevant to the unit of study.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

EXSS 1018 Biomechanics of Human Movement

6 credit points. B App Sc (OT) Hons, B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, UG Study Abroad Program. Dr Rene Ferdinandand. **Session:** Semester 1. **Classes:** 2 hours lectures, 2 hours tutorial/practicals. **Assumed Knowledge:** HSC Mathematics. **Assessment:** Mid-semester exam, End of 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 1029 Muscle Mechanics & Training

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program. Mr Tom Gwinn. **Session:** Semester 2. **Assumed Knowledge:** BIOS1137 Introductory Neuroscience. **Prerequisites:** BIOS1130 Molecules & Energy or CHEM1101 Chemistry IA. **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

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Margaret Torode. **Session:** Semester 2, Semester 1. **Classes:** Total 3 hours per week. **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 1031 Cell Metabolism and Biochemistry

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. Dr Kieron Rooney. **Session:** Semester 1. **Assumed Knowledge:** Biology and Chemistry. **Assessment:** Mid Semester exam, Practical report and End Semester exam.

This unit of study will introduce students to the foundations of biochemistry. Students will gain an understanding of basic chemistry principles such as acid-base balance, chemical reactivity and enzyme regulation through their applications to energy production and consumption during physical activity. This unit of study will develop an appreciation for the role of different cellular components and their function in cell to cell communication, transport of molecules and bioenergetics of macronutrients. This unit of study will include tutorials and practical classes where students will gain some basic scientific and lab-based skills. Material covered in this unit of study will be used as a platform for further development in EXSS2017 Biochemistry of Exercise.

EXSS 1032 Fundamentals of Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Practical skills mastery, Mid semester exam, end semester exam.

This unit encompasses the fundamental principles and practices of exercise science and the use and process of scientific measurement and analysis. The student will gain an understanding of the application of these fields to the assessment and development of physical fitness. The unit examines the energetics of exercise, measurement of human work performance and exercise responses in the laboratory, and the assessment of aerobic fitness. Results acquired in laboratory sessions will be used to examine measurement and data quality, data analysis and the presentation of data in both a graphical and written format.

EXSS 1033 Principles of Exercise Science

3 credit points. B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Mid Semester exam and 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.

EXSS 1034 Sport Coaching

3 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Lectures, practicals and a level 1 coaching accreditation. **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 (e.g. children, aged and impaired).

EXSS 2016 Motor Control

3 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. Dr Margaret Torode. **Session:** Semester 1. **Classes:** 2 hours lectures; 2 hours tutorials per week. **Prerequisites:** BIOS1137 Introductory Neuroscience. **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 environ-

ment. This Unit considers the mechanics of movement and clinical disorders to extend the application of the motor system model.

EXSS 2017 Biochemistry of Exercise

6 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. Dr Kieron Rooney. **Session:** Semester 1. Classes: 3 hours lectures; 3 hours practicals (alternate weeks). **Prerequisites:** BIOS 1130 Molecules and Energy. **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 representing 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

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program. Dr Benedicte Vanwanseele. **Session:** Semester 1. Classes: 2 hours lectures; 2 hour practicals. **Prerequisites:** EXSS1018 Biomechanics of Human Movement. **Assessment:** Group project, mid semester exam and end of 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

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Hlth Sc, UG Study Abroad Program. Dr Corinne Caillaud. **Session:** Semester 1. Classes: 3 hours lectures; 2 hours practicals. **Prerequisites:** BIOS 1133 Body Systems: Structure & Function I, EXSS 1019 Fundamentals of Exercise Science. **Assessment:** Mid semester exam, End of 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 2021 Nutrition, Health and Performance

6 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. Dr Helen O'Connor. **Session:** Semester 2. Classes: 3 hours lectures; 3 hours practicals (alternate weeks). **Prerequisites:** EXSS2017 Biochemistry of Exercise. **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

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program. Dr Keiron Rooney. **Session:** Semester 2. Classes: 3 hours lectures; 2 hours practicals. **Assumed Knowledge:** EXSS2017 Biochemistry of Exercise. **Prerequisites:** EXSS2019 Exercise Physiology - Acute Responses. **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 EXSS2019 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 training programs. By the end of this unit, students will be armed with sufficient knowledge of the physiological effects of exercise to better understand the influence of environmental stressors discussed in EXSS3021 Environmental Physiology.

EXSS 2025 Motor Control and Learning

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. A/Prof Nicholas O'Dwyer. **Session:** Semester 2. **Assumed Knowledge:** EXSS 2016 Motor control. **Assessment:** Tutorial presentation, 15%; self-scored mid-semester exam (MCQ + SAQ) 0%; group training project report, 35%; end semester exam (MCQ + SAQ), 50%.

This unit of study provides students with a broad overview of motor control and learning with the aim of stimulating them to think about the mechanisms of normal human movement. Both a behavioural and a neurophysiological approach are taken to the acquisition and execution of skilled motor actions. The behavioural approach is directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach is directed at the neuromuscular machinery and the functional neural connections that govern movement. The unit consists of 3 modules. The first module examines the information processing and energetic capacities of the learner that underpin motor performance; that is, characteristics of the perceptual-motor system such as memory, attention, reaction time, speed-accuracy trade-off, force control, economy of energy, coordination, automaticity, lateralisation, arousal and stress, talent and expertise. The second module examines features of the learning environment that can be manipulated to promote motor learning such as goals, motivation, instruction, practice conditions and feedback. The third module examines applications to teaching motor skills, coaching and rehabilitation and includes a group project in which a motor skill is trained, thereby enabling students to apply the principles of motor control and learning that they have learned.

EXSS 2026 Growth, Development and Ageing

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Mid-semester exam, End-semester exam.

This unit of study aims to provide the student with an appreciation of growth, development and ageing of the human across the lifespan. Physiologic changes, motor skill development and physical performance will be examined and related to morphology and stages of childhood and adolescent growth. The relationships between growth, development, gender and physical activity will be explored. The biological changes and consequences of ageing on physiologic and psychological health, disease and exercise capacity will be investigated. The student will also be able to gain an understanding of exercise prescription for pregnant women, children, adolescents and older adults.

EXSS 3023 Exercise Testing and Prescription

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Cross Institutional Enrolment, UG Study Abroad Program. Dr Jacqui Raymond. **Session:** Semester 1. Classes: 3 hours lectures; 2 hours practicals. **Prerequisites:** EXSS2022 Exercise Physiology Training Adaptations. **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 co-requisite, students will benefit from undertaking EXSS3024 Exercise, Health and Disease in parallel with Exercise Testing and Prescription.

EXSS 3024 Exercise, Health and Disease

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 1. Classes: 3 hours lectures; 2 hours practicals (alternate weeks). **Prerequisites:** EXSS2019 Exercise Physiology-Acute Responses and EXSS2022 Exercise Physiology Training Adaptations. **Assessment:** Mid-semester exam, End semester exam, Report assignment.

The two units, EXSS3024 Exercise, Health and Disease and EXSS3027 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 3027 Exercise and Rehabilitation

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours lectures; 2 hours practicals (alternate weeks).

Prerequisites: EXSS2019 Exercise Physiology-Acute Responses, EXSS2022 Exercise Physiology Training Adaptations, and EXSS3024 Exercise, Health and Disease. **Assessment:** Report assignment, end of semester exam.

This unit examines exercise limitations and the use of exercise in the rehabilitation 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 musculoskeletal injury, including the special problems of spinal cord injury and wheel chair exercise, are discussed.

EXSS 3036 Research and Practice

6 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** Basic biomechanics, physiological and motor learning principles, basic hypothesis training, elementary knowledge of exercise science industry.

Assessment: two assignments, end semester exam.

The aim of this unit is to explore (i) the scientific method using knowledge integrated from previous units of study, and (ii) professional issues related to practice in the field of exercise and sport science. This exploration will include: critical review of scientific writing, proposing research, the communication of scientific knowledge, research design, data collection, data analysis, statistical tests, ethics in research, evidence-based practice and professional and ethical behaviour. Activities and assessment will focus on practical applications in exercise and sport science. Emphasis will be placed on generic skills such as communication, teamwork, independent and critical thinking and practical skills.

EXSS 3037 Exercise, Pharmacology & Immunology

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** BIOS 1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses. **Assessment:** Assignment and Mid-semester exam, End semester exam.

This unit of study will introduce the student to the principles of pharmacology and immunology. Students will gain an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Drugs used for therapeutic medication, for recreational purposes and for performance enhancement in sport, as well as the interaction of exercise and drug action will be explored. The nature of immunity, the immune response, pathological disorders of the immune system and effects of exercise on the immune system will be examined.

EXSS 3038 Ergonomics

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. Damien O'Meara. **Session:** Semester 1, Semester 2. **Classes:** Lectures, practicals. **Assumed Knowledge:** BIOS 1136 Functional Anatomy A, BIOS 1139 Functional Anatomy B, EXSS 1018 Biomechanics of Human Movement (or equivalent). **Assessment:** Mid semester exam, Assignment, End of semester exam.

Ergonomics is concerned with optimising health, safety and performance in human activities. This unit will broaden the student's knowledge of human tolerance to physical tasks by considering tasks performed across a spectrum of settings, including occupational, sport, and activities of daily living. Specifically through the application of anatomy, biomechanics, and exercise and environmental physiology an understanding of the principles of matching environmental and task related parameters to human characteristics will be developed. This knowledge has application to OH&S, sport safety and the development of accessible environments for functionally impaired.

Textbooks

Introduction to Ergonomics. Bridger, R.S. (1995). McGraw-Hill: New York (2003), 2nd Edition, Taylor & Francis, London

EXSS 3039 Applied Biomechanics

6 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Prerequisites:** EXSS 1018 Biomechanics of Human Movement.

NB: Department permission required for enrolment.

The prime focus of this unit is the application of biomechanical principles to the analysis, understanding, assessment, feedback and improvement of physical performance and the prevention of injury. Case studies of physical tasks in clinical, sporting, recreational and workplace settings will be undertaken. Many of the case studies involve the development of practical assessment competency. Skills in forward, inverse and fluid dynamics will be developed for application to the case studies.

EXSS 3040 Physiological Testing and Training

6 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Prerequisites:** EXSS2022 Exercise Physiology Training Adaptations.

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 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 3041 Management, Marketing and the Law

6 credit points. B App Sc (Ex & Sp Sc), B Hlth Sc, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Assessment:** Assignment, End semester exam.

This unit presents an overview of starting a small business, adapting current marketing principles, and being aware of the many pitfalls that will be encountered along the way. Attention is given to the fundamentals of business planning, staff structuring, and understanding of current occupancy costs together with an insight into the basics of budgetary controls. Media buying, advertising and franchising are also reviewed. 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. Negotiation skills and business obligations are introduced to augment the level of expertise when leaving university to work within an established firm or commence your own practice, partnership, or solely owned company.

EXSS 4004 Honours Thesis A

24 credit points. B App Sc (Ex & Sp Sc) Hons, UG Study Abroad Program. **Session:** Semester 1. **Classes:** No on-campus classes, although workshop attendance is compulsory. **Assessment:** Continuous assessment and thesis examination.

Honours students undertake a research project in an area of exercise and sport science. Each 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.

EXSS 4005 Honours Thesis B

24 credit points. B App Sc (Ex & Sp Sc) Hons, UG Study Abroad Program. **Session:** Semester 2. **Classes:** No on-campus classes, although workshop attendance is compulsory. **Prerequisites:** EXSS4004 Honours Thesis - Part A. **Assessment:** Continuous assessment and thesis examination.

Honours students will complete their research projects and write a thesis describing the project and its implications. Students will continue to work closely with the academic staff member who is their supervisor.

MATH 1011 Life Sciences Calculus

3 credit points. B A, B Agr Ec, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Med Sc, B Pharm (Rural), B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG. **Session:** Semester 1, Summer. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** MATH (1111 or 1001 or 1901 or 1906).. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1011 is designed to provide calculus for students of the life sciences who do not intend to undertake higher year mathematics and statistics.

This unit of study looks at the fitting of data to various functions, introduces finite difference methods, and demonstrates the use of calculus in optimisation problems. It extends differential calculus to functions of two variables and develops integral calculus, including the definite integral and multiple integrals.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1015 Life Science Statistics

3 credit points. B A, B Agr Ec, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Med Sc, B Pharm, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter Schoo. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study.. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1015 is designed to provide a thorough preparation in statistics for students of the Life Sciences. It offers a comprehensive introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

Textbooks

As set out in the Junior Mathematics Handbook

MBLG 1001 Molecular Biology and Genetics (Intro)

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr Hannah Nicholas. **Session:** Semester 2. **Classes:** 2 lec/wk, 1 h tut & 4 h prac/fortnight. **Assumed Knowledge:** 6 credit points of Junior Biology and 6 cp of Junior Chemistry. **Prohibitions:** AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901 or 2001 or 2111 or 2771 or 2871). **Assessment:** One 2.5 h exam, in-semester skills test and assignments.

The lectures in this unit of study introduce the "Central Dogma" of molecular biology and genetics -i.e., the molecular basis of life. The course begins with the information macro- molecules in living cells: DNA, RNA and protein, and explores how their structures allow them to fulfill their various biological roles. This is followed by a review of how DNA is organised into genes and chromosomes leading to discussion of gene expression (transcription and translation) and replication. The unit concludes with an introduction to the techniques of molecular biology and, in particular, how these techniques have led to an explosion of interest and research in Molecular Biology. The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design.

Textbooks

Malacinski, G M The Essentials of Molecular Biology (4th edition, Jones and Bartlett, 2003)

MBLG 2071 Molecular Biology and Genetics A

6 credit points. B A, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Su. Dr Dale Hancock. **Session:** Semester 1. **Classes:** 2 lec/wk, 1 tut/ftnght, 4hr prac/ftnght. **Prerequisites:** MBLG 1001 and 12 CP of Junior Chemistry. **Prohibitions:** MBLG (2971 or 2001 or 2101 or 2901 or 2111) or PLNT2001 or AGCH2001 or BCHM (2001 or 2101 or 2901).. **Assessment:** One 2.5 hr exam, prac work, 2 assignments.

NB: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.

This unit of study extends the basic concepts introduced in MBLG 1001 and provides a firm foundation for students wishing to continue in the molecular biosciences as well as for those students who intend to apply molecular techniques to other biological or medical questions. The unit explores the regulation of the flow of genetic information in both eukaryotes and prokaryotes. The central focus is on the control of replication, transcription and translation and how these processes can be studied and manipulated in the laboratory. Experiments in model organisms are provided to illustrate how the field has advanced, together with discussion of work carried out in human systems and the relevance to human genetic diseases. The tools of molecular biology are taught within the context of recombinant DNA-cloning - with an emphasis on essential knowledge required to use plasmid vectors to produce proteins from cloned genes, the use of genomic libraries, cDNA libraries, and methods for screening libraries. The methods of gene introduction (examples of transgenic plants and animals) are also discussed. Other techniques include PCR methodology and its use for cloning specific genes and detection of polymorphisms, separating DNA fragments by gel electrophoresis and analysis of macromolecules by Southern, Northern & Western blotting. In the genomics section, topics include assigning genes to specific chromosomes, high resolution chromosome mapping, DNA markers, physical mapping of genomes as well as DNA and genome sequencing methods and international projects in genome mapping.

The practical course complements the theory and builds on the skills learnt in MBLG 1001. Specifically students will: use spectrophotometry for the identification and quantification of nucleic acids, explore the lac operon system for the investigation of gene expression control, perform PCR analysis as with MBLG 1001, strong emphasis is placed on the acquisition of generic and technical skills.

Textbooks

Watson, J et al. Molecular Biology of the Gene (5th edition, Pearson, 2004)

NUTR 2911 Food Science Introductory (Advanced)

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr Kim Bell-Anderson. **Session:** Semester 1. **Classes:** 2 lectures, 3 prac/wk. **Prerequisites:** MBLG 1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903).

For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2901. **Assessment:** One 3hr exam, one assignment, five prac reports.

Foods as commodities: Food use around the world, including the origin, history, cultural and nutritional importance of each of the following major human foods.

Food Behaviour: Physical and chemical composition of various commodities, Behaviour and function of the commodity during culinary processes, spoilage of the commodity.

Geography of foods: Understanding of the global food distribution, food abundance and food scarcity, the problems of nutrition in very poor countries and the potential of food aid to minimise food problems.

Macronutrients: Energy, protein, fat, carbohydrate, fibre, water, alcohol consumption patterns, requirements for health, absorption, metabolism and health/disease significance.

Practical: Organoleptic assessment of food: vision, smell, taste and tactile. Food flavour, texture and consistency. Enzymic and non-enzymic browning in foods: desirable versus undesirable browning reactions. Vegetables and fruits. Carbohydrate foods, dairy products, fats and oils, meat and poultry, fish and shellfish.

Textbooks

Mann J, Truswell AS (eds). Essentials of Human Nutrition. Oxford: OUP, 2002
Griswald N. The Experimental Study of Foods.

NUTR 2912 Nutritional Science Introductory (Adv)

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. A/Prof Samir Samman. **Session:** Semester 2. **Classes:** 2 lectures, 3 prac/wk. **Assumed Knowledge:** NUTR2911. **Prerequisites:** MBLG1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2902. **Assessment:** One 3hr exam, one assignment, five prac reports.

Vitamins: Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to Vitamins A, B1, B2, B6, B12, niacin, folate, biotin, pantothenic acid, Vitamin C, Vitamin D, Vitamin E, Vitamin K. Minerals and trace elements. Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to calcium, iron, sodium, potassium, zinc, selenium, copper, carnitine, choline.

Food Science and Technology: Principles of food preservation, Cereal technology, Milk and dairy technology, Fat and oil technology, Sugar technology, Meat technology, Processing and nutrient changes, Food legislation, Food additives, Naturally-occurring toxicants, Food pollutants, Food safety, Food Hygiene, Food microbiology, Food hygiene, Critical control points and hazards analysis.

Practical: Students will collect 24 hour food intake on themselves. Students will homogenise all foods eaten in a 24 hour period, sample representatively and analyse energy content by bomb calorimetry and determine fat and fatty acid composition, protein, starch, total sugars, dietary fibre and selected vitamins and minerals. They will report the finding to the whole class in the final practical.

Textbooks

Mann J, Truswell AS (2002). Essentials of human nutrition. Oxford University Press, Oxford.

Proudlove RK The Science & Technology of Foods. Forbes London, 1985.

Hobbs BC Food poisoning and food hygiene. (5th ed) Ballimore, Md; E. Arnold 1987.

STAT 2012 Statistical Tests

6 credit points. B A, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B E, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

Session: Semester 2. **Classes:** 3 lec, 1 tut, 1 computer lab per wk. **Assumed Knowledge:** STAT (2011 or 2002). **Prerequisites:** MATH (1005 or 1905 or 1015). **Prohibitions:** STAT (2004 or 2912). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

This unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

11. School of Health Information Management

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

The School of Health Information Management offers a four 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 postgraduate coursework programs offered by the School as well as postgraduate 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; database 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 one part of the program offered by distance and one part delivered via 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. The 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 postgraduate research programs include a Master of Applied Science (Health Information Management) by research. 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 medical science, information technology and management. The role of the health information manager/health informatician is dynamic and involves close liaison with medical, nursing and allied health staff, administrative staff, bureaucrats 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) and the Master of 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 clinical decision making and 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 patient care and the use of resources.

The clinical record provides the patient database on which the health information system is built. The clinical record contains data relating to the patient's clinical problems as well as demographic and sociological data. The record can provide information for health care evaluation, research, statistics, funding 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 four years. However, the School recognises that some students cannot attend full-time and wish to complete their degrees over a longer time frame. 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 available to only 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 of the course, that is units usually identified by different 1st numerical digits in their codes - e.g. HIMT1045 and HIMT2031 and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet "satisfactory 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 has a specified prerequisite, the prerequisite unit must be passed prior to enrolment in that unit of study.

- 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 outline

The course outlines for the Bachelor of Applied Science (Health Information Management) Pass and Honours courses are presented in Tables 11.1, 11.1.1, 11.2, and 11.2.1.

Honours program

For specific information related to the Health Information Management Honours Program, students are advised to contact the School of Health Information Management.

Students in the Honours Program complete all units in the Pass Course except BACH 2127 Health Policy and Service Delivery, and they may choose either the unit of study

- BACH 1136 Clients Practitioners and Organisations or
- BACH 1146 Analysing Qualitative Health and Social Research

In addition, honours students must complete BACH 4043 Intermediate Statistics in third year and the following two units as the fourth year of study:

- HIMT 4048 Research Project Part A, and
- HIMT 4049 Research Project Part B.

Table 11.1: Bachelor of Applied Science (Health Information Management) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition				Session
Course code SH011: Pass course; full-time, 3 years						
Course code SH017: Honours program; full-time, 4 years						
Pass course						
Year 3 (last offered in 2006)						
Semester 1						
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1 130 Foundations of Health Sociology			Semester 1, Semester 2
HIMT 3025	Financial Management in Health Care	3				Semester 1
HIMT 3030	Medical Science II	4	P HIMT203 6 Medical Science I			Semester 1
HIMT 3041	Human Resource Management	3	NB: Department permission required for enrolment.			Semester 1
HIMT 3044	Management Principles II	4				Semester 1
HIMT 3050	Clinical Classification IIIA	3	P HIMT2050 Clinical Classification IIB			Semester 1
Semester 1 total: 20 credit points						
Semester 2						
BACH 2127	Health Policy and Service Delivery	3	P BACH1 130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent			Semester 2
HIMT 3031	Medical Science III	3	P HIMT3030 Medical Science II			Semester 2
HIMT 3032	Epidemiology	4				Semester 2
HIMT 3034	Law and Health	4				Semester 2
HIMT 3043	Health Care Evaluation	3				Semester 2
HIMT 3051	Clinical Classification IIIB	3	P HIMT3050 Clinical Classification IIIA			Semester 2
HIMT 3052	Health Informatics II	4				Semester 2
HIMT 3053	Professional Experience III	4				Semester 1, Semester 2
Semester 2 total: 28 credit points						
Note						
HIMT 3053 is on offer in Intersemester or semester 2.						

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

Unit of Study	CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH017: Honours program; full-time, 4 years				
Years 1 and 2				
As per Pass course				
Year 3 (last offered in 2006)				
Semester 1				
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1 130 Foundations of Health Sociology	Semester 1 Semester 2
or				
BACH 1147	Qualitative Health and Social Research	3		Semester 1, Semester 2
and				
HIMT 3025	Financial Management in Health Care	3		Semester 1
HIMT 3030	Medical Science II	4	P HIMT2036 Medical Science I	Semester 1
HIMT 3041	Human Resource Management	3	NB: Department permission required for enrolment.	Semester 1
HIMT 3044	Management Principles II	4		Semester 1
HIMT 3050	Clinical Classification IIIA	3	P HIMT2050 Clinical Classification IIB	Semester 1
Semester 1 total: 20 credit points				
Semester 2				
BACH 4043	Intermediate Statistics	3	P BACH1027 Research Methods I and BACH1 118 Research Methods II: Data Analysis/Stats or BACH1 139 Health and Research Design - General, or equivalent.	Semester 2
HIMT 3031	Medical Science III	3	P HIMT3030 Medical Science II	Semester 2
HIMT 3032	Epidemiology	4		Semester 2
HIMT 3034	Law and Health	4		Semester 2
HIMT 3043	Health Care Evaluation	3		Semester 2
HIMT 3051	Clinical Classification IIIB	3	P HIMT3050 Clinical Classification IIIA	Semester 2
HIMT 3052	Health Informatics II	4		Semester 2
HIMT 3053	Professional Experience III	4		Semester 1, Semester 2
Semester 2 total: 28 credit points				
Year 4(last offered in 2007)				
Semester 1				
HIMT 4048	Research Project A	24		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
HIMT 4049	Research Project B	24		Semester 2
Semester 2 total: 24 credit points				
Note				
HIMT 3053 is on offer in Intersemester or semester 2				

Table 11.2: Bachelor of Applied Science (Health Information Management)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH096: Pass course; full-time, 4 years					
Honours program; full-time, 4 years					
Pass course					
Year 1					
Semester 1					
BACH 1130	Foundations of Health Sociology	3			Semester 2, Semester 1
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry		Semester 1, Semester 2
HIMT 1052	Clinical Terminology	3			Semester 1
HIMT 1053	Health Informatics A	8			Semester 1
HIMT 1054	Microcomputing Essentials	6			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 1132	Foundations of Health Psychology	3			Semester 1, Semester 2
HIMT 1055	Medical Science A	6			Semester 2
HIMT 1056	Health Care Delivery Systems	6			Semester 2
HIMT 1057	Health Infomatics B	9			Semester 2
Semester 2 total: 24 credit points					
Year 2 (first offered in 2006)					
Semester 1					
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
BIOS 2095	Body Functions	4	NB: Department permission required for enrolment.		Semester 1, Semester 2
HIMT 2052	Medical Science B	6	P HIMT 1055 Medical Science A NB: Learning is also offered through WebCT. Lectures are assisted with videos and slides on clinical examinations and disease presentations.		Semester 1
HIMT 2053	Management Principles and Practice A	5			Semester 1
HIMT 2054	Fundamentals of Programming	6	P HIMT 1054 Microcomputing Essentials NB: Department permission required for enrolment.		Semester 1, Semester 2
Semester 1 total: 24 credit points					
Semester 2					
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics		Semester 2, Semester 1
BIOS 2096	Body Functions and Disease	4	A BIOS2095 Body Functions NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.		Semester 1, Semester 2
HIMT 2055	Classification Principles	6	P HIMT 1052 Clinical Terminology and HIMT 1055 Medical Science A.		Semester 2
HIMT 2056	Health Informatics C	6			Semester 2
HIMT 2057	Professional Practice A	5	P HIMT 1053 Health Informatics A.		Semester 2
Semester 2 total: 24 credit points					
Year 3 (first offered in 2007)					
Semester 1					
Medical Science C [4]					
Casemix/Practical Coding [4]					
Management Principles and Practice B [6]					
Database Theory and Applications [6]					
Professional Practice B [4]					

Unit	of	Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Semester 1 total: 24 credit points									
Semester 2									
BACH 4046	Survey Research Methods		3						Semester 2
or									
Introductory Epidemiology [3]									
and									
Essentials of Classification A [6]									
Legal Aspects of Health Care [3]									
Managing Human Resources [6]									
Health Informatics D [6]									
Semester 2 total: 24 credit points									
Year 4 (first offered in 2008)									
Semester 1									
BACH 1146	Qualitative Health and Social Research			NB: *** No info available for 2006. ***					
BACH 2127	Health Policy and Service Delivery		3	P BACH1130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent					
Essentials of Classification B [6]									
Financial Management in Health Services [6]									
Contemporary Issues in Health Information A [6]									
Semester 1 total: 24 credit points									
Semester 2									
Professional elective (see notes below) [6]									
Contemporary Issues in Health Information B [12]									
Professional Practice C [6]									
Semester 2 total: 24 credit points									
Notes									
Pass students are required to take professional electives (to the value of 6 credit points) in the specialist stream of their choice from the following Schools: Management or Research units from the School of Behavioural and Community Health Sciences; Information Science or Technology units from the School of Information Technologies; Medical Science units from the School of Biomedical Sciences									

Table 11.2.1: Bachelor of Applied Science (Health Information Management) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Honours program; full-time, 4 years					
Years 1 and 2					
As per Pass course					
Year 3 (first offered in 2007)					
Semester 1					
As per Pass course					
Semester 2					
BACH 1147	Qualitative Health and Social Research	3			Semester 1, Semester 2
or					
BACH 4046	Survey Research Methods	3			Semester 2
or					
Introductory Epidemiology [3]					
and					
Essentials of Classification A [6]					
Legal Aspects of Health Care [3]					
Managing Human Resources [6]					
Health Informatics D [6]					
<i>Semester 2 total: 24 credit points</i>					

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Year 4 (first offered in 2008)			
Semester 1			
Essentials of Classification B [6]			
Contemporary Issues in Health Information A [6]			
Research Project I [12]			
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
Research Project II [24]			
<i>Semester 2 total: 24 credit points</i>			

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 2

One day per week for 5 weeks in Semester 2

Year 3

2 weeks during intersemester break.

Units of study

BACH 1031 Clients, Practitioners and Organisations

3 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B A. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **Classes:** 13 Lectures, 13 Seminars. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology. **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.

Textbooks

Book of readings

BACH 1130 Foundations of Health Sociology

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B B Hlth Sc (Hons), B. Mr Ian Andrews, Ms Ann Hale. **Session:** Semester 2, Semester 1. **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 1132 Foundations of Health Psychology

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc (Hearing&Speech), B O. Ms Karen Pepper. **Session:** Semester 1, 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 1143 Designing Health Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Ins. Dr. Zakia Hossain, Dr. Rob Heard. **Session:** Semester 1, 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 develop skills in a selection of interview, survey, observational and epidemiological research designs. Database and literature review techniques will be introduced as well as issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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 Qualitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Toni Schofield. **Session:** Semester 1, 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 2127 Health Policy and Service Delivery

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B Hlth Sc, Cross Inst Enrl Behav Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Carol O'Donnell. **Session:** Semester 2. **Prerequisites:** BACH 1130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent. **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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Clng) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **Prerequisites:** BACH 1027 Research Methods 1 and BACH1118 Research Methods II: Data Analysis/Stats or BACH 1139 Health and Research Design - General, or equivalent. **Assessment:** Written assignments and examination. In this unit, students will extend and consolidate the research methods and statistical skills acquired in previous Research Methods units. 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Clng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Classes:** Lectures, tutorials and on-line modules. **Assessment:** MCQ and SAQ 40%, End Semester exam 60%.

NB: Department permission required for enrolment.

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 Human Biology and Biochemistry 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 e-mail. 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B Hlth Sc (Rehab Clng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BIOS2095 Body Functions. **Assess-**

ment: 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 BIOS2095 Body Functions 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, Tompar, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

HIMT 1052 Clinical Terminology

3 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058. **Session:** Semester 1. **Classes:** 2 hours lectures and one hour tutorial. **Assessment:** Sectional test, Group presentation, final exam.

This unit of study introduces students to the language necessary to understand the information contained in medical records. Students will study the basic concepts of medical terminology, including the history and development of medical language. Emphasis is placed on building skills in the structural analysis of medical terms, building roots, suffixes and prefixes, combining vowels and forms. Students will study current medical, surgical and investigatory abbreviations relating to the body systems and develop practical skills in using a medical dictionary and applying the MIMS. The body systems covered in this unit of study are: musculoskeletal, respiratory, digestive, blood and lymphatics, cardiovascular, urinary, reproductive, obstetrics and central nervous system.

Textbooks

Chabner DE The Language of Medicine (7th ed) WB Saunders Co, Philadelphia, 2004.

HIMT 1053 Health Informatics A

8 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Basema Saddik (02) 9351 9193. **Session:** Semester 1. **Classes:** 2 hours lectures and 1 hour tutorial. **Assessment:** Two written assignment and examination.

This unit provides the foundation of the informatics stream of the degree by introducing the core concepts from information science, informatics and health information management. These include the data, information and knowledge production cycle, and basic organisation and systems theory. Health information systems are studied in depth, including the development of the record during the health care process. Students visit hospitals to observe and carry out specific activities that provide insight into how basic hospital information systems work. These basic systems include the patient administration systems such as the patient master index. Also included are legal issues surrounding the confidentiality, release and disposal of patient information and the ethical codes of health information professionals.

Textbooks

Abdelhak M (ed), Health Information Management of a Strategic Resource (2nd ed) WB Saunders, Philadelphia, 2001.

Johns ML (ed), Health Information Management Technology: An Applied Approach (American Health Information Management Association, Chicago, 2002)

HIMT 1054 Microcomputing Essentials

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Dr Joe Qi Rong Huang (02) 9351 9566. **Session:** Semester 1. **Classes:** Two hours on-campus laboratory tutorials. **Assessment:** Two practical skills tests and one assignment.

This unit introduces methods for effective uses of common micro-computer applications that students will need to complete this degree and to prepare for their career as a health information manager. It aims to develop their computer skills in networking, communication, information access, file management, formal presentation, desktop publishing, data analysis, auditing and presentation and Web design. Applications include Microsoft Windows, Internet browsers, MS Word, Excel, PowerPoint, Publisher and FrontPage.

Textbooks

Shelley G, Cashman T and Vermaat M, Microsoft Office XP: Introductory Concepts and Techniques (Enhanced edition) Course Technology, Cambridge, 2004.

HIMT 1055 Medical Science A

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Dr Joe Qi Rong Huang (02) 9351 9566. **Session:** Semester 2. **Classes:** Two hours on-campus lectures plus WebCT learning. **Assessment:** Two tests, assignment, final exam.

This unit is designed to provide the theoretical basis by which students can understand the process of medical care. It introduces the nature of disease processes and the physician's response to those processes. An overview of common diseases that are pertinent to

the cardiovascular system, respiratory system, musculoskeletal system, haematology and immune system is presented and attention is given to the aetiology, pathophysiology, presenting symptoms and signs, diagnostic testing and general management of the various clinical entities. Lectures are assisted with videos and slides on clinical examinations and disease presentations.

Textbooks

Kumar P and Clark M, Clinical Medicine (5th ed) WB Saunders, London. Shier D, Butler J & Lewis R (2000), Essentials of Human Anatomy and Physiology (8th ed), McGraw-Hill.

HIMT 1056 Health Care Delivery Systems

6 credit points. B App Sc (Hlth Inf Mgt), B Hlth Sc, UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058 and Prof Beth Reid. **Session:** Semester 2. **Classes:** Two hours on-campus lectures & 1 hour tutorial. **Assessment:** Two assessments and Final Exam.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and State responsibilities for health; the NSW Health care service structure; community health care and specialist services; professional associations and organisations; and the role of the medical and allied health professionals. Details of health insurance and Medicare are presented. Trends in the provision of health services and the health status of the Australian population are also discussed. The interactive web-based teaching tool, the Health Care Game, is used in the delivery and assessment of this unit.

HIMT 1057 Health Informatics B

9 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Basema Saddik (02) 9351 9193. **Session:** Semester 2. **Classes:** 2 Hours lectures and 1 hour tutorial. **Assessment:** Two assignments & final exam.

This unit is focused on data collection and analysis. It is divided into three parts: Part 1 covers the main NSW and national data collection systems organised by government departments and health authorities. Part 2 covers the analysis of data using both dummy data and real anonymous data readily available over the Internet. Part 3 is concerned with the mechanics of designing data collection tools (computer screens and paper forms) to collect the needed data items.

HIMT 2052 Medical Science B

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Dr. Joe Qi Rong Huang (02) 93519566. **Session:** Semester 1. **Classes:** On campus, lectures. **Prerequisites:** HIMT 1055 Medical Science A. **Assessment:** Test, assignment, and exam. *NB: Learning is also offered through WebCT. Lectures are assisted with videos and slides on clinical examinations and disease presentations.*

This unit continues to present an overview of common disorders that are pertinent to neurological system, gastrointestinal system, liver and biliary tract, endocrine system, renal system, psychiatrics, and skin. It aims to teach students the knowledge of understanding disease aetiology and pathophysiology, and describing clinical presentations, diagnostic testing, and treatment strategies of various clinical entities.

Textbooks

Kumar, P & Clark, M (2002), Clinical Medicine(5th ed), London, WB Saunders

HIMT 2053 Management Principles and Practice A

5 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Anne Marks (02)93519057. **Session:** Semester 1. **Classes:** On-campus 2hr seminars. **Assessment:** 2 assignments and exam.

This unit of study introduces students to the principles of management and their application to the health information management profession. Topics covered include traditional and contemporary theories of management, business communication skills, decision making, motivation and conflict resolution.

Textbooks

Robbins, SP, Bergman R, Staff, I & Coulter, M (2003), Management (3rd ed), Australia, Prentice Hall

HIMT 2054 Fundamentals of Programming

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Angelika Lange (02) 9351 9570. **Session:** Semester 1, Semester 2. **Classes:** On campus, 2hr lectures, 2hr tutorials. **Prerequisites:** HIMT 1054 Microcomputing Essentials. **Assessment:** 2 Practical programming in-class tests, Final exam 2 hours.

NB: Department permission required for enrolment.

This unit is the link between the units Microcomputing Essentials and Database Theory and Applications. It 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. This unit also provides an introduction to object-oriented concepts in programming. The unit is designed to give students an understanding of one of the languages that programmers use when they write software programs and an appreciation of a programmer's role in helping HIMs to design information systems.

Practical: 2 hour tutorials each week will enable students to practice their theoretical knowledge gained in the lectures.

Textbooks

Royce T (1996), C Programming, London, Macmillan

HIMT 2055 Classification Principles

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Michelle Bramley (02) 93519451. **Session:** Semester 2. **Classes:** On campus, 1 hour lecture, 2 hour tutorials. **Prerequisites:** HIMT 1052 Clinical Terminology and HIMT 1055

Medical Science A. **Assessment:** Three practical coding skills tests & Theory exam.

This unit of study introduces the student to the classification of diseases and procedures in health care. It incorporates an overview of the historical development, purpose and value of clinical classifications. Emphasis is placed on the theoretical principles of classification and applying the principles to the detailed study of the ICD-10-AM Fourth Edition. Australia's health information architecture is examined across local, state and national levels.

Textbooks

National Centre for Classification in Health (2006), the International Statistical Classification of diseases and Related Health Problems, Australian Modification 5th Edition, Sydney, NCHC.

HIMT 2056 Health Informatics C

6 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Angelika Lange (02) 9351 9570. **Session:** Semester 2. **Classes:** On campus, 2 hour lectures. **Assessment:** Report, Group presentation, Final exam 2 hours.

This unit places emphasis on current applications of computers to collect, store and manage information in health care settings, including at the bedside (point of care). Included are hospital information systems, smart cards, imaging, the use of handheld computers and data warehousing. Information technology and data transfer techniques such as APIs and HL7 in health care are discussed. Systems analysis and design tools are applied to current and emerging information technologies in health care systems. An introduction to artificial intelligence and decision support systems will be provided. To ensure that the unit covers what is happening in the industry some lectures will be presented by guests working in health informatics. Several models for evaluating computer software and informatics applications will provide the foundation for the practical assignment.

HIMT 2057 Professional Practice A

5 credit points. B App Sc (Hlth Inf Mgt), UG Study Abroad Program. Ms Anne Marks (02) 9351 9057. **Session:** Semester 2. **Classes:** Off-campus site visits. **Prerequisites:** HIMT 1053 Health Informatics A. **Assessment:** Site-based assessment, group presentation, individual report.

In this unit of study students are introduced to the different roles of the health information manager within the health care sector. Included will be an introduction to the organizational structure of various health facilities and the health information manager's position within the organization. The knowledge, skills and competencies required by different health information managers will be examined and discussed.

HIMT 3025 Financial Management in Health Care

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Ms Michelle Bramley (02) 9351 9451. **Session:** Semester 1. **Classes:** On-campus attendance, day classes. **Assessment:** Assignment and final examination.

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

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Dr Joe Huang (02) 9351 9566. **Session:** Semester 1. **Classes:** 2 hours lecture per week. **Prerequisites:** HIMT2036 Medical Science I. **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

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Dr Joe Huang (02) 9351 9566 & Dr P Sivanandasingham. **Session:** Semester 2. **Classes:** 2 hours lectures per week. **Prerequisites:** HIMT3030 Medical Science II. **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

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B Hlth Sc, UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058. **Session:** Semester 2. **Classes:** 2 hours lectures + one hour tutorials. **Assessment:** Assignments/examination. 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

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B Hlth Sc, UG Study Abroad Program. Basema Saddik (02) 9351 9193 b.saddik@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 2 hours lectures per week. **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

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Joanne Callen/Linda Ernst (02) 9351 9558. **Session:** Semester 1. **Classes:** On-campus attendance for 3 day block. **Assessment:** Assignments. *NB: Department permission required for enrolment.* 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

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Prof Beth Reid (02) 9351 9494. **Session:** Semester 2. **Classes:** 2 hours lectures per week. **Assessment:** Continuous assessment/assignments. In this unit students are introduced to the concepts of quality health care. 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.

HIMT 3044 Management Principles II

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B Hlth Sc, UG Study Abroad Program. Ms Joanne Callen (02) 9351 9558. **Session:** Semester 1. **Classes:** 2 hours lectures, one hour tutorial per week. **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. *Textbooks*
Robbins, SP, BergmanR, Stagg, I & Coulter, M (2003), Management (3rd Edition), Sydney: Prentice Hall

HIMT 3050 Clinical Classification IIIA

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Ms Michelle Bramley (02) 9351 9451. **Session:** Semester 1. **Classes:** On-campus attendance, day classes. **Prerequisites:** HIMT2050 Clinical Classification IIB. **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.

HIMT 3051 Clinical Classification IIIB

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Ms Michelle Bramley (02) 9351 9451. **Session:** Semester 2. **Classes:** On-campus attendance. **Prerequisites:** HIMT3050 Clinical Classification IIIA. **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.

HIMT 3052 Health Informatics II

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Ms Janelle Craig (02) 9351 9651. **Session:** 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 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 developments, such as wireless technology in home care delivery, computerised test ordering systems and XML in health data messaging.

HIMT 3053 Professional Experience III

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. Ms Anne Marks (02) 9351 9057. **Session:** Semester 1, Semester 2. **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.

HIMT 4048 Research Project A

24 credit points. B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. **Session:** Semester 1. **Assessment:** Thesis. Honours students will develop a proposal to undertake an investigation in an area of specialised interest in health information management.

HIMT 4049 Research Project B

24 credit points. B App Sc (Hlth Inf Mgt) Hons, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Thesis. During this unit Honours students will complete the investigation begun during HIMT4048 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

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 its 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 outline

The course outlines with its three streams and Honours program are presented in Tables 12.1, 12.1.1, 12.2, and 12.2.1.

Honours Program

For specific information related to the Bachelor of Applied Science (Medical Radiation Sciences) Honours Program, students are advised to contact the School of Medical Radiation Sciences.

Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SHI05[Diagnostic Radiography]: Pass course; full-time, 3 years					
Course code SHI06[Nuclear Medicine]: Pass course;; full-time, 3 years					
Course code SH072[Radiation Therapy]: Pass course; full-time, 3 years					
Year 2 (last offered 2006)					
Semester 1					
BIOS 2097	Structure, Function & Disease III	4	P BIOS 1126 Human Biology and Biochemistry		Semester 1
MRTY 2058	Sectional Anatomy	3	P BIOS 1128 Structure, Function and Disease 1, BIOS 1129 Structure, Function and Disease II C BIOS2097 Structure, Function and Disease III		Semester 1
Semester 1 common units total: 7 credit points					
Semester 2					
MRTY 2057	Intro Radiation Biology and Protection	3	P BIOS 1126 Human Biology and Biochemistry, or equivalent.		Semester 1, Semester 2
MRTY 2059	Medical Ethics and Professional Issues	3	C MRTY2072 Clinical Education 2.2A or MRTY2075 Clinical Education 2.2B or MRTY2078 Clinical Education 2.2C.		Semester 2
Semester 2 common units total: 6 credit points					
plus					
Diagnostic Radiography					
Semester 1					
MRTY 2061	Radiographic Practice 2	7	P MRTY 1020 Radiographic Practice IB, MRTY 1022 Clinical Education 1A		Semester 1
MRTY 2062	Radiographic Pathology 1	3	P MRTY 1020 Radiographic Practice IB C MRTY2061 Radiographic Practice 2		Semester 1
MRTY 2071	Clinical Education 2.1A	7	A MRTY1022 Clinical Education 1A NB: See "clinical education" section		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
MRTY 2060	Radiographic Physics 2	4	P BIOS 1119 Introductory Radiation Physics 1A C MRTY2057 Intro Radiation Biology and Protection		Semester 1, Semester 2
MRTY 2072	Clinical Education 2.2A	7	P MRTY2071 Clinical Education 2.1 A, MRTY2061 Radiographic Practice 2 C MRTY2059 Medical Ethics and Professional Issues		Semester 2
MRTY 2073	Clinical Education 2.3A	7	A Clinical Education 2.2A P MRTY2071 Clinical Education 2.1 A C MRTY2072 Clinical Education 2.2A		Semester 2
Semester 2 total: 24 credit points					
or					
Nuclear Medicine					
Semester 1					
MRTY 2065	Nuclear Medicine 2	6	P MRTY 1024 Nuclear Medicine IB, MRTY 1026 Clinical Education IB NB: NB: Advanced Standing for DAT students only.		Semester 1
MRTY 2066	Radiopharmacy	4	P BIOS 1126 Human Biology and Biochemistry, or equivalent. NB: NB: Advanced Standing for DAT students only.		Semester 1
MRTY 2074	Clinical Education 2.1B	7	A Clinical Education IB NB: See "clinical education" section		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
MRTY 2064	Nuclear Medicine Physics 2	4	P MRTY 1025 Nuclear Medicine Physics I C MRTY2057 Intro Radiation Biology and Protection NB: NB: Advanced Standing for DAT students only		Semester 1, Semester 2
MRTY 2075	Clinical Education 2.2B	7	P MRTY2074 Clinical Education 2. IB, MRTY2065 Nuclear Medicine 2 C MRTY2059 Medical Ethics and Professional Issues		Semester 2
MRTY 2076	Clinical Education 2.3B	7	P MRTY2074 Clinical Education 2. IB, MRTY2065 Nuclear Medicine 2 C MRTY2075 Clinical Education 2.2B NB: See "clinical education" section		Semester 2
Semester 2 total: 24 credit points					
or					
Radiation Therapy					
Semester 1					
BIOS 2094	Oncology A	3	P BIOS 1126 Human Biology and Biochemistry, BIOS 1129 Structure, Function and Disease II		Semester 1

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
MRTY 2069	Radiation Therapy 2	7	P MRTY 1028 Radiation Therapy IB C MRTY2068 Radiation Therapy Physics 2, BIOS2094 Oncology A	Semester 1
MRTY 2077	Clinical Education 2.1C	7	NB: See "clinical education" section	Semester 1
Semester 1 total: 24 credit points				
Semester 2				
MRTY 2068	Radiation Therapy Physics 2	4	P MRTY 1029 Radiation Therapy Physics 1 C MRTY2057 Intro Radiation Biology and Protection	Semester 2
MRTY 2078	Clinical Education 2.2C	7	P MRTY 2077 Clinical Education 2.1C	Semester 2
MRTY 2079	Clinical Education 2.3C	7	P MRTY 2077 Clinical Education 2.1C C MRTY 2078 Clinical Education 2.2C	Semester 2
Semester 2 total: 24 credit points				
Year 3				
Semester 1				
MRTY 3059	Image Processing	3	P MRTY2060 Radiographic Physics 2 or MRTY2064 Nuclear Medicine Physics 2 or MRTY2068 Radiation Therapy Physics 2	Semester 1
MRTY 3061	Integrated Diagnosis and Treatment	3	P MRTY2061 Radiographic Practice 2 or MRTY2065 Nuclear Medicine 2 or MRTY2069 Radiation Therapy 2	Semester 1
Semester 1 common units total: 6 credit points				
Semester 2				
Choice of one of the following research units:				
BACH 1141	Analysing Health Research: General	3	A Basic mathematics	Semester 1, Semester 2
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics	Semester 2, Semester 1
BACH 1147	Qualitative Health and Social Research	3		Semester 1, Semester 2
Choice of one of the following:				
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1 130 Foundations of Health Sociology	Semester 1, Semester 2
BACH 1148	Health, Attitudes and Interaction	3	P BACH1 132 Foundations of Health Psychology or BACH1 133 Introduction to Health Psychology	Semester 2
Choice of one of the following:				
BACH 2127	Health Policy and Service Delivery	3	P BACH1 130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent	Semester 2
BACH 2128	Cognition and Cognitive Impairment	3	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology N BACH1 159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery	Semester 2
plus				
MRTY 3060	Medical Radiations Project	3	P MRTY3063 Radiographic Practice 3 or MRTY3070 Nuclear Medicine 3A or MRTY3075 Radiation Therapy 3A	Semester 2
Semester 2 common units total: 12 credit points				
plus				
Diagnostic Radiography				
Semester 1				
MRTY 3062	Radiographic Physics 3A	3	P MRTY2060 Radiographic Physics 2, MRTY2061 Radiographic Practice 2 C MRTY3059 Image Processing	Semester 1
MRTY 3063	Radiographic Practice 3	3	P MRTY2061 Radiographic Practice 2 C MRTY3090 Clinical Education 3.1 A	Semester 1
MRTY 3064	Sonography A	3		Semester 1
MRTY 3065	Radiographic Pathology 2	3	C MRTY3063 Radiographic Practice 3	Semester 1
MRTY 3089	Operating Theatre Radiography	3	A MRTY 3063 Radiographic Practice 3 N Failure to acquire a PRM	Semester 1
MRTY 3090	Clinical Education 3.1A	3	P MRTY 2063 Clinical Education 2A, MRTY2061 Radiographic Practice 2 C MRTY3063 Radiographic Practice 3	Semester 1
Semester 1 total: 24 credit points				
Semester 2				
MRTY 3067	Radiographic Physics 3B	3	P MRTY2060 Radiographic Physics 2, MRTY3063 Radiographic Practice 3	Semester 2
MRTY 3091	Clinical Education 3.2A	3	PMRTY3090 Clinical Education 3.1A, MRTY3063 Radiographic Practice 3 NB: See "clinical education" section	Semester 2

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Radiography electives 1x3 credit points (see note 1L below)					
Elective studies 1x3 credit points (see note 2 below)					
Semester 2 total: 24 credit points					
or					
Nuclear Medicine					
Semester 1					
MRTY 3064	Sonography A	3			Semester 1
MRTY 3069	Nuclear Medicine Physics 3	3	P MRTY2064 Nuclear Medicine Physics 2, MRTY2057 Intro Radiation Biology and Protection C MRTY3059 Image Processing		Semester 1
MRTY 3070	Nuclear Medicine 3A	6	P MRTY2065 Nuclear Medicine 2, MRTY2067 Clinical Education 2B C MRTY3092 Clinical Education 3.1B		Semester 1
MRTY 3092	Clinical Education 3.1B	3	P MRTY2067 Clinical Education 2B C MRTY3070 Nuclear Medicine 3A NB: See "clinical education" section		Semester 1
Elective studies 1x3 credit points (see note 2 below) [3]					
Semester 1 total: 24 credit points					
Semester 2					
MRTY 3072	Nuclear Medicine 3B	6	P MRTY3070 Nuclear Medicine 3 A C MRTY3093 Clinical Education3.2B		Semester 2
MRTY 3093	Clinical Education 3.2B	3	P MRTY3092 Clinical education 3.1B		Semester 2
Elective studies 1x3 credit points (see note 2 below) [3]					
Semester 2 total: 24 credit points					
or					
Radiation Therapy					
Semester 1					
BIOS 3050	Oncology B	3	P BIOS2094 Oncology A		Semester 1
MRTY 3074	Radiation Therapy Physics 3	3	P MRTY2068 Radiaton Therapy Physics 2, MRTY2057 Intro Radiation Biology and Protection, MRTY2069 Radiation Therapy 2 C MRTY3059 Image Processing		Semester 1
MRTY 3075	Radiation Therapy 3A	6	P MRTY2069 Radiation Therapy 2, MRTY2068 Radiation Therapy Physics 2, MRTY2070 Clinical Education 2C C BIOS3050 Oncology B		Semester 1
MRTY 3094	Clinical Education 3.1C	3	P MRTY 2069 Radiation Therapy 2; MRTY 2059 Medical Ethics and Professional Issues; MRTY 2070 Clinical Education 2C		Semester 1
Elective studies 1x3 credit points (see note 2 below) [3]					
Semester 1 total: 24 credit points					
Semester 2					
MRTY 3077	Radiation Therapy 3B	6	P MRTY2069 Radiation Therapy 2, MRTY2068 Radiation Therapy Physics 2 C MRTY3095 Clinical Education 3.2C		Semester 2
MRTY 3078	Seminars in Radiation Therapy	3	P MRTY3075 Radiation Therapy 3 A		Semester 2
MRTY 3095	Clinical Education 3.2C	3	P MRTY 3094 Clinical Education 3.1C		Semester 2
Semester 2 total: 24 credit points					

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

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH114[Diagnostic Radiography]: Honours program; full-time, 4 years		
Course code SH110[Nuclear Medicine]: Honours program; full-time, 4 years		
Course code SH109[Radiation Therapy]: Honours program; full-time, 4 years		
Course code SH114[Diagnostic Radiography]: Honours program; part-time, 5 years		
Course code SH110[Nuclear Medicine]: Honours program; part-time, 5 years		
Course code SH109[Radiation Therapy]: Honours program; part-time, 5 years		
Full-time mode		
Years 2 to 3		
As per Pass course		

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Year 4							
Semester 1							
MRTY 4032	Honours Thesis 1A		24				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
MRTY 4033	Honours Thesis 1B		24				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Years 1 to 3							
As per Pass course							
Year 4							
Semester 1							
MRTY 4034	Honours Thesis A		12				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
MRTY 4035	Honours Thesis B		12				Semester 2
<i>Semester 2 total: 12 credit points</i>							
Year 5							
Semester 1							
MRTY 4036	Honours Thesis C		12				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
MRTY 4037	Honours Thesis D		12				Semester 2
<i>Semester 2 total: 12 credit points</i>							

Notes to Tables 12.1 and 12.1.1

1. Radiography electives - students choose 1 of the following in semester 2 (3 credit points each):

- MRTY 3080 Seminars in Diagnostic Radiography
- MRTY 3081 Interventional Radiography
- MRTY 3084 Paediatric Radiography
- MRTY 3086 Functional Brain Imaging

2. Elective studies - Elective studies may be taken from within or outside the Faculty of Health Sciences, subject to availability, pre-requisites and minimum student enrolment. Students must discuss their choice of electives with their academic adviser prior to enrolment. Students may choose from the following pool of electives, from across the Faculty or from other faculties (by permission of Head of School):

- Radiography - choose 1 elective in semester 2
- Nuclear Medicine - choose 2 electives, one x 3 credit point elective in semester 1 and one x 3 credit point elective in semester 2
- Radiation Therapy - choose 1 elective in semester 1.

Table 12.2: Bachelor of Applied Science (Medical Radiation Sciences) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH116[Diagnostic Radiography]: Pass course; full-time, 3 years					
Course code SHI 17[Nuclear Medicine]: Pass course; full-time, 3 years					
Course code SHI 18[Radiation Therapy]: Pass course; full-time, 3 years					
Year 1 (first offered in 2006)					
Semester 1					
BIOS 1155	Structure, Function and Disease A	6	P BIOS 1161 Biochemistry and Human Biology		Semester 2, Semester 1
BIOS 1156	Human Biology and Radiobiology	6	A Basic Chemistry		Semester 1
MRTY 1031	Medical Radiation Physics	6	A HSC physics; 2 unit maths NB: Students without the assumed knowledge are strongly advised to enrol in the Foundation Mathematics and Physics Bridging Courses offered prior to the commencement of semester one.		Semester 1
MRTY 1032	Preparation for Practice	6	NB: The clinical placement component will be undertaken during semester break and must be completed prior to semester 2		Semester 1
Semester 1 common units total: 24 credit points					
Semester 2					
BACH 1161	Introductory Behavioural Health Sciences	6	N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology		Semester 2, Semester 1
BIOS 1157	Introductory Health Physics	6			Semester 2
BIOS 1158	Structure, Function and Disease B	6			Semester 2
Semester 2 common units total: 18 credit points					
plus					
Diagnostic Radiography					
Semester 2					
MRTY 1033	Radiographic Practice 1	6	P Preparation for Practice		Semester 2
Semester 2 total: 24 credit points					
or					
Nuclear Medicine					
Semester 2					
MRTY 1034	Nuclear Medicine Practice 1	6			Semester 2
Semester 2 total: 24 credit points					
or					
Radiation Therapy					
Semester 2					
MRTY 1035	Radiation Therapy Practice 1	6	P MRTY 1032 Preparation for Practice		Semester 2
Semester 2 total: 24 credit points					
Year 2 (first offered in 2007)					
Semester 1					
Designing and Analysing Health Research					
Semester 1 common units total: 6 credit points					
plus					
Diagnostic Radiography					
Semester 1					
Radiographic Practice 2.1					
Clinical Education 2.IDR					
Radiographic Physics 2					
Semester 1 total: 24 credit points					
or					
Nuclear Medicine					
Semester 1					
Nuclear Medicine Practice 2.1					
Nuclear Medicine Physics 2					

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Clinical Education 2.1NM				
<i>Semester 1 total: 24 credit points</i>				
or				
Radiation Therapy				
Semester 1				
Radiation Therapy Practice 2.1				
Radiation Therapy Physics 2				
Clinical Education 2.1RT				
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
Integrated Diagnosis and Treatment				
<i>Semester 2 common units total: 6 credit points</i>				
plus				
Diagnostic Radiography				
Semester 2				
Clinical Education 2.2DR				
Clinical Education 2.3DR				
Radiographic Practice 2.2				
<i>Semester 2 total: 24 credit points</i>				
or				
Nuclear Medicine				
Semester 2				
Clinical Education 2.2NM				
Clinical Education 2.3NM				
Nuclear Medicine Practice 2.2				
<i>Semester 2 total: 24 credit points</i>				
or				
Radiation Therapy				
Semester 2				
Clinical Education 2.2RT				
Clinical Education 2.3RT				
Radiation Therapy Practice 2.2				
<i>Semester 2 total: 24 credit points</i>				
Year 3 (first offered in 2008)				
Semester 1				
Research in Medical Radiation Sciences				
Choice of one BACH 6 credit points unit or two BACH 3 credit points units.				
<i>Semester 1 common units total: 12 credit points</i>				
and				
Diagnostic Radiography				
Semester 1				
Radiographic Practice 3				
Clinical Education 3DR				
<i>Semester 1 total: 24 credit points</i>				
or				
Nuclear Medicine				
Semester 1				
Nuclear Medicine Practice 3				
Nuclear Medicine 3NM				
<i>Semester 1 total: 24 credit points</i>				
or				
Radiation Therapy				
Semester 1				
Radiation Therapy Practice 3.1				
Clinical Education 3RT				

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
<i>Semester 1 total: 24 credit points</i>		
Semester 2		
Digital Imaging		
Ethics, Law and Professional Practice		
Elective 6		
<i>Semester 2 common units total: 18 credit points</i>		
plus		
Diagnostic Radiography		
Semester 2		
Radiographic Physics 3		
<i>Semester 2 total: 24 credit points</i>		
or		
Nuclear Medicine		
Semester 2		
Nuclear Medicine Physics 3		
<i>Semester 2 total: 24 credit points</i>		
or		
Radiation Therapy		
Semester 2		
Radiation Therapy Practice 3.2		
<i>Semester 2 total: 24 credit points</i>		

Table 12.2.1: Bachelor of Applied Science (Medical Radiation Sciences) Honours

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code [Diagnostic Radiography]: Honours program; full-time, 4 years		
Course code [Nuclear Medicine]: Honours program; full-time, 4 years		
Course code [Radiation Therapy]: Honours program; full-time, 4 years		
Course code [Diagnostic Radiography]: Honours program; part-time, 5 years		
Course code [Nuclear Medicine]: Honours program; part-time, 5 years		
Course code [Radiation Therapy]: Honours program; part-time, 5 years		
Full-time mode		
Years 1 to 3		
As per Pass course		
Year 4 (first offered in 2009)		
Semester 1		
Honours Thesis 1A		
<i>Semester 1 total: 24 credit points</i>		
Semester 2		
Honours Thesis 1B		
<i>Semester 2 total: 24 credit points</i>		
Part-time mode		
No part-time is on offer for the Pass course. However a part-time Honours course is available.		
Years 1 to 3		
As per Pass course		
Year 4 (first offered in 2009)		
Semester 1		
Honours Thesis A		
<i>Semester 1 total: 12 credit points</i>		
Semester 2		
Honours Thesis B		
<i>Semester 2 total: 12 credit points</i>		

Unit of Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Year 5 (first offered in 2010)	
Semester 1	
Honours Thesis C	
Semester 1 total: 12 credit points	
Semester 2	
Honours Thesis D	
Semester 2 total: 12 credit points	

Notes to Tables 12.2 and 12.2.1

A. Clinical Placements

Due to clinical education placements some academic semesters are not run over the entire 16 weeks. Academic teaching and assessment will be condensed to fit with these placements.

B. 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 other faculties (by permission of Head of School):

(I) Physics electives:

- (a) BIOS 4046 Clinical Physics
- (b) MRTY 3087 Medical Radiation Sciences Physics elective

(II) School of MRS electives:

- (a) Medical Radiation Project
- (b) Advanced Issues in MRS
- (c) Specialised Radiographic Practice
- (III) Behavioural Science electives (usual pre-requisites may be waived with approval of unit coordinator):

- (a) BACH 1100 Sociology of Community and Family
- (b) BACH 3081 Sociology of Sport
- (c) BACH 3082 Sociology of the Aged and Aging
- (d) BACH 3084 Alternative Medicine

(IV) Biomedical Science electives:

- (a) BIOS 4035 Sexuality for Health professionals
- (b) BIOS 4044 Embryology

C. Honours Programs

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 - i.e. 2 part-time semesters in year 4 and 2 part-time semesters in year 5.

Clinical education

Essential components of clinical education take place during clinical placements in these courses (see Faculty of Health Sciences Handbook, Chapter 32). 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 Unit on +61 2 9351 9574. Please refer to the Clinical Education chapter contained within the Handbook with regard to current requirements for vaccinations prior to and while attending clinical placement. Failure to follow the requirements may jeopardise fulfilling the course requirements. It is highly likely that all students will be placed in two non-Sydney metropolitan clinical placements during the three years of the clinical program. The expenses for travel and accommodation costs associated with clinical placement 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 1 (1 week), year 2 (18 weeks), and year 3 (6 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 middle of the clinical program, students will be able to perform routine procedures and data acquisition including computer analysis, reconstitution and dispensing of radiopharmaceuticals, and quality control in all areas, including planar instrumentation, single photon emission computerised tomography and radiopharmacy and will be aware of the role of the nuclear medicine technologist as a member of a multidisciplinary health care team. By the end of the clinical program, students will be able to perform complex routine clinical procedures. 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 25 weeks on clinical placement over the three years of the degree program. All students are required to spend at least twelve (12) 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 two away from home placements.

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 Clinical Education Placement

All Year 1 students undertaking the unit of study Preparation for Practice will participate in 1 week of clinical placement, to be conducted in the vacation break after Semester 1.

Year 2 Clinical Education Placements

Three clinical education placements will be conducted for all School of MRS disciplines in year 2. Clinical Education 2.1 will be conducted 6 weeks prior to semester 1 commencing. Clinical Education 2.2 will be conducted weeks 1-6 of semester 2. Clinical Education 2.3 will commence week 15 of semester 2 and run for 6 weeks.

Year 3 Clinical Education Placements

The year 3 clinical education placement will be broken into 2 blocks. The first block will be conducted weeks 1 - 3 of semester 1, while the second block will be held weeks 14 - 16 of Semester 1.

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
- 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 1031 Clients, Practitioners and Organisations

3 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B A. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **Classes:** 13 Lectures, 13 Seminars. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology. **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.

Textbooks

Book of readings

BACH 1141 Analysing Health Research: General

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Karen Pepper. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

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

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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 Qualitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Toni Schofield. **Session:** Semester 1, 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 1148 Health, Attitudes and Interaction

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O H, UG Study Abroad Program. Dr Gomathi Sithartan. **Session:** Semester 2. **Prerequisites:** BACH 1132 Foundations of Health Psychology or BACH1133 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 1161 Introductory Behavioural Health Sciences

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 4 Hours/week. **Prohibitions:** BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology. **Assessment:** Class Exercise, 17.5%, Mid semester assignment: 25%, End of semester examinations 57.5%.

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing, as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology, and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet, and exercise adherence.

Specifically, the sociology component of the unit will examine 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 wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exercise and fitness, health promotion, psychological changes across the lifespan).

Textbooks
TBA

BACH 2127 Health Policy and Service Delivery

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B Hlth Sc, Cross Inst Enrl Behav Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Carol O'Donnell. **Session:** Semester 2. **Prerequisites:** BACH 1130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent. **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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B B Hlth Sc, UG Study Abroad Program. Dr. Steve Cumming. **Session:** Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology. **Prohibitions:** BACH1159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery. **Assessment:** Assignment 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 1155 Structure, Function and Disease A

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Meg Stuart. **Session:** Semester 2, Semester 1. **Prerequisites:** BIOS 1161 Biochemistry and Human Biology. **Assessment:** Two mid-semester spot tests (each 15%); End-semester exam (70%).

This unit of study introduces the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal, cardiovascular and respiratory systems are undertaken. This leads to a focus on the important diseases related to these systems and their effects on the body. The basic concepts of pharmacology will also be introduced to enable students to understand the action of drugs on each of the body systems as they are covered in this unit and in Structure, Function and Disease B. Students are expected to complete computer-based, self-directed learning packages prior to some practical sessions. 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 1156 Human Biology and Radiobiology

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 1. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid-semester exam (MCQ and SA - 30%); End-semester exam (MCQ and SA - 70%).

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of 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 three areas; the basic processes fundamental to life, growth and development, and radiation effects on these basic processes.

The following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, 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. In addition, radiation effect on biological systems at the cellular, tissue and organ levels, early and late effects, stochastic and non-stochastic effects will be covered. It concludes with a study of genetic effects, chromosome aberrations, genetic mutations and effects on pregnancy, the young and aged.

Textbooks

: Forshier, S. (2002) Essentials of Radiation Biology and Protection. Albany, NY: Delmar Thomson Learning. Hall, E.J. (2000) Radiobiology for the Radiologist, 5th Ed, Philadelphia: J.B. Lippincott Co.

BIOS 1157 Introductory Health Physics

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Gil Vella. **Session:** Semester 2. **Assessment:** Mid-semester exam (MCQ and SA - 30%); End-semester exam (MCQ and SA - 50%); Practical work (20%).

: This unit of study provides a foundation for the physical concepts and devices used in medical radiation science. It commences with a study of the general principles of wave motion, optics, electricity and magnetism, electrical safety, basic electronics and the measurement of radiation. This provides the foundation on which to study devices used in medical radiation science such as ultrasonic transducers, linear accelerators, cyclotrons, oscilloscopes, televisions, optical fibres, liquid crystal displays, ionisation chambers, Geiger counters, scintillation counters, thermoluminescent dosimeters.

Textbooks

Graham, D and Cloke, P (2003). Principles of Radiologic Physics 4th Edn Churchill Livingstone.

BIOS 1158 Structure, Function and Disease B

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B Hlth Sc, M N, B O H, UG Study Abroad Program. Dr Dana Strain. **Session:** Semester 2. **Assessment:** Mid-semester exam (30%); End of semester exam (70%).

This unit of study examines the essential principles of infection control in health care practice and the immune system, highlighting its role in disease prevention and response to trauma. The part played by the immune system in producing disease is also covered. The normal structure and function of the digestive, urinary, reproductive, endocrine and nervous systems is described along with the pathophysiology of diseases associated with these systems. Specific diseases are studied because they are common and thus frequently encountered in practice, or because they 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 in-

eludes 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 Ed, W.B. Saunders
Martini, F (2004) Fundamental Anatomy and Physiology, 6th Ed, Prentice Hall Publishing Co.

BIOS 2094 Oncology A

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Laurette Batmianian. **Session:** Semester 1. **Classes:** On campus 3 hours/week. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry, BIOS 1129 Structure, Function and Disease II. **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 & Disease III

4 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Ms Dana Strain. **Session:** Semester 1. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry. **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

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Laurette Batmianian. **Session:** Semester 1. **Classes:** On campus 3 hours/week. **Prerequisites:** BIOS2094 Oncology A. **Assessment:** Written exam, group participation, case reports. This unit studies the detailed pathology of malignant tumours of the breast, musculoskeletal, lower respiratory, lymphatic, haematopoietic, gastrointestinal 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.

MRTY 1031 Medical Radiation Physics

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Barrie Egerton. **Session:** Semester 1. **Classes:** lectures, tutorials, intranet. **Assumed Knowledge:** HSC physics; 2 unit maths. **Assessment:** Practical Assessments (15%); class test (1hr MCQ/SAQ - 30%); End of semester exam (2hr - MCQ/SAQ - 55%).

NB: Students without the assumed knowledge are strongly advised to enrol in the Foundation Mathematics and Physics Bridging Courses offered prior to the commencement of semester one.

This unit introduces students to the safe use of ionising radiation common to all medical radiations. It commences with an examination of the structure of matter, the various modes of radioactive decay together with the types of ionising radiation and their interactions with matter. Discipline specific fundamental physics will also be covered.

Textbooks

Principles of Radiological Physics, 4th Ed, 2003 Graham & Cloke

MRTY 1032 Preparation for Practice

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:**

on campus, lectures, tutorials, clinical placement (1 week). **Assessment:** Assignment 1500 word (30%), formative essay (500 word), Class test (20%), Final Exam (50%). *NB: The clinical placement component will be undertaken during semester break and must be completed prior to semester 2*

This unit of study introduces the student to the key generic components of professional practice, patient care, communication skills and ethical behaviour. Students will also be introduced to their discipline specific practice, which will include a short clinical placement.

Textbooks

Discipline specific text

MRTY 1033 Radiographic Practice 1

6 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Edward Caruana. **Session:** Semester 2. **Classes:** on campus, lectures, tutorials, practicals.

Prerequisites: Preparation for Practice. **Assessment:** Assignment / class tests / Exams. This Unit of Study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. This unit of study will introduce the student to the basic principles of Radiography. This unit will also provide students with the knowledge and skills to perform radiographic examinations of the chest, upper and lower limbs and abdomen.

Textbooks

Merrill's Atlas of Radiographic Positions

MRTY 1034 Nuclear Medicine Practice 1

6 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Edwina Adams. **Session:** Semester 2. **Classes:** on campus, lectures, tutorials, practical. **Assessment:** Assignment, Practical Report, Final Exam.

This unit of study introduces the student to the fundamental aspects of the most commonly performed imaging procedures in Nuclear Medicine. It provides a study of the anatomy, physiology, and radiopharmaceutical bio-distributions which are fundamental to an understanding of the imaging procedures. Practical aspects of acquisition and radiopharmacy will be introduced.

Textbooks

Nuclear Medicine and PET Technology and Techniques 5th ed. Mosby.

MRTY 1035 Radiation Therapy Practice 1

6 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Nikki Field. **Session:** Semester 2. **Classes:** on campus, lectures, tutorials, practicals. **Prerequisites:** MRTY 1032 Preparation for Practice. **Assessment:** Practical Class Test, Portfolio, Practical Final Test.

This unit of study 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. The role of the radiation therapist as a supporter and educator of the patients will also be covered.

Textbooks

Principles and Practice of Radiation Therapy (2nd ed). Washington, C. & Leaver, D (2004). St. Louis: Mosby

MRTY 2057 Intro Radiation Biology and Protection

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, Cross-Inst Enrolment (MRS), UG Study Abroad Program. Mr Barrie Egerton and Dr. Simon Cowell. **Session:** Semester 1, Semester 2. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry, or equivalent. **Assessment:** Class test, group reports and final examination.

This unit of study introduces students to the subject of Radiobiology which explores what is known about the effects of ionising radiation on biological systems. The units introduces students to the use of monitors, a knowledge of the relevant legislation and the principles of the safe use of ionising radiation.

Textbooks

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

MRTY 2058 Sectional Anatomy

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Ann Poulos. **Session:** Semester 1. **Classes:** On campus and Independent Study. **Prerequisites:** BIOS 1128 Structure, Function and Disease I, BIOS 1129 Structure, Function and Disease II. **Corequisites:** BIOS2097 Structure, Function and Disease III. **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., Trantum-Jensen, J.

MRTY 2059 Medical Ethics and Professional Issues

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Simon Cowell and Dr. Sarah Lewis. **Session:** Semester 2. **Classes:** On campus. **Corequisites:** MRTY2072 Clinical Education 2.2A or MRTY2075 Clinical Education 2.2B or MRTY2078 Clinical Education 2.2C. **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

4 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Mr Gary Reddy. **Session:** Semester 1, Semester 2. **Classes:** On campus. **Prerequisites:** BIOS 1119 Introductory Radiation Physics 1 A. **Corequisites:** MRTY2057 Intro Radiation Biology and Protection. **Assessment:** Tutorials/examinations.

This unit of study introduces the student to the construction, design, operation, associated radiation protection and quality control of general radiographic, tomographic and processing equipment. A module in introductory Image Processing will be presented.

Textbooks

Christensen's Physics of Diagnostic Radiology. Curry, T.S., Dowdey, J.E. & Murry, R.C. (Lea & Febiger).

MRTY 2061 Radiographic Practice 2

7 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Mr John Robinson. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** MRTY 1020 Radiographic Practice IB, MRTY1022 Clinical Education 1A. **Assessment:** Patient-focussed assignments/Practical examination/examination/continuous assessment.

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 MRTY1019 Radiographic Practice IA and MRTY 1020 Radiographic Practice 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

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** MRTY1020 Radiographic Practice IB. **Corequisites:** MRTY2061 Radiographic Practice 2. **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.

MRTY 2064 Nuclear Medicine Physics 2

4 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Dr Dale Bailey. **Session:** Semester 1, Semester 2. **Classes:** On campus. **Prerequisites:** MRTY 1025 Nuclear Medicine Physics I. **Corequisites:** MRTY2057 Intro Radiation Biology and Protection.

NB: NB: Advanced Standing for DAT students only

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

6 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Mr Peter Kench. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** MRTY 1024 Nuclear Medicine IB, MRTY1026 Clinical Education IB. **Assessment:** Class test, assignment, exam.

NB: NB: Advanced Standing for DAT students only.

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.

Textbooks

Christian PE, Bernier DR and Langan JK Nuclear Medicine and PET Technology and Techniques (5th ed) (Mosby 2004).

MRTY 2066 Radiopharmacy

4 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Ms Elisabeth Kilburn-Watt. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** BIOS 1126

Human Biology and Biochemistry, or equivalent. **Assessment:** Report, tutorials, final examination.

NB: NB: Advanced Standing for DAT students only.

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.

Textbooks

Fundamentals of Nuclear Pharmacy. Saha, G.B. (2004)

MRTY 2068 Radiation Therapy Physics 2

4 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Mr Craig Opie. **Session:** Semester 2. **Prerequisites:** MRTY1029 Radiation Therapy Physics 1.

Corequisites: MRTY2057 Intro Radiation Biology and Protection. **Assessment:**

Formal 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

7 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Mr Craig Opie.

Session: Semester 1. **Classes:** 7hrs/week. **Prerequisites:** MRTY1028 Radiation

Therapy IB. **Corequisites:** MRTY2068 Radiation Therapy Physics 2, BIOS2094

Oncology A. **Assessment:** Within semester exam, report, final examination.

This unit of study expands the knowledge gained in MRTY 1028 Radiation Therapy IB and aims to apply the principles taught in MRTY2068 Radiation Therapy Physics 2 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 2071 Clinical Education 2.1 A

7 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis (Clinical Academic). **Session:** Semester 1. **Classes:** On campus and Clinical centre.

Assumed Knowledge: MRTY1022 Clinical Education IA. **Assessment:** Clinical Departmental Assessment, SICA/ case study diary, University nominated Assessment.

NB: See "clinical education" section

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the chest and extremities. Students are required to reflect upon their professional role and acquire competencies in general skeletal and chest radiography

Textbooks

Students are supplied with a clinical workbook specific to their UOS.

MRTY 2072 Clinical Education 2.2A

7 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis (Clinical Academic). **Session:** Semester 2. **Classes:** On Campus and Clinical centre.

Prerequisites: MRTY2071 Clinical Education 2.1 A, MRTY2061 Radiographic Practice 2. **Corequisites:** MRTY2059 Medical Ethics and Professional Issues. **Assessment:**

Clinical Departmental Assessment, Written case studies, University nominated assessment.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the pelvic girdle, spine and skull/face, whilst consolidating their general skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in skeletal, spinal and skull radiography

Textbooks

Students are supplied with a clinical workbook specific to their UOS

MRTY 2073 Clinical Education 2.3A

7 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis (Clinical Academic). **Session:** Semester 2. **Classes:** On Campus and Clinical centre.

Assumed Knowledge: Clinical Education 2.2A. **Prerequisites:** MRTY2071 Clinical Education 2.1 A. **Corequisites:** MRTY2072 Clinical Education 2.2A. **Assessment:**

Clinical Departmental Assessment, Written case studies, University nominated assessment.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the renal and GIT systems whilst consolidating their skills in pelvic girdle, spine, skull/face and skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in GIT, renal, skeletal, spinal and skull radiography.

Textbooks

Students are supplied with a clinical workbook specific to their UOS.

MRTY 2074 Clinical Education 2.1B

7 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. **Session:** Semester 1. **Classes:** on-campus tutorials, off-campus clinical placement (6 weeks). **Assumed Knowledge:** Clinical Education 1B. **Assessment:** clinical assessment, oral case study, practical test.

NB: See "clinical education" section

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 skills, attributes and knowledge at a level of fundamental practice.

Textbooks

Nuclear Medicine and PET Technology and Techniques 5th ed. Mosby

MRTY 2075 Clinical Education 2.2B

7 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. **Session:** Semester 2. **Classes:** on-campus tutorials, off-campus clinical placement (6 weeks). **Prerequisites:** MRTY2074 Clinical Education 2.1B, MRTY2065 Nuclear Medicine 2. **Corequisites:** MRTY2059 Medical Ethics and Professional Issues. **Assessment:** clinical assessment, written case study, practical test.

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 skills, attributes and knowledge at a level above that of Clinical Education 2.1B.

Textbooks

Nuclear Medicine and PET Technology and Techniques 5th ed. Mosby

MRTY 2076 Clinical Education 2.3B

7 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. **Session:** Semester 2. **Classes:** on-campus tutorials, off-campus clinical placement (6 weeks). **Prerequisites:** MRTY2074 Clinical Education 2.1B, MRTY2065 Nuclear Medicine 2. **Corequisites:** MRTY2075 Clinical Education 2.2B. **Assessment:** clinical assessment, practical test, assignment.

NB: See "clinical education" section

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 skills, attributes and knowledge at a level above that of Clinical Education 2.2B and that is nearing those required of an entry level practitioner.

Textbooks

Nuclear Medicine and PET Technology and Techniques 5th ed. Mosby

MRTY 2077 Clinical Education 2.1C

7 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Clinical Placement (6 weeks). **Assessment:** case study, reflective summary and final clinical assessment.

NB: See "clinical education" section

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in superficial, orthovoltage, single photon and parallel opposed, techniques.

Textbooks

Principles and Practice of Radiation Therapy (2nd ed). Washington, C. & Leaver, D (2004). St. Louis: Mosby.

MRTY 2078 Clinical Education 2.2C

7 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Clinical Placement (6 weeks). **Prerequisites:** MRTY 2077 Clinical Education 2.1C. **Assessment:** 2 case studies, reflective summary, final clinical assessment, and observable clinical skills assessment.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in pelvis and brain techniques.

Textbooks

Principles and Practice of Radiation therapy (2nd ed) Washington & Leaver

MRTY 2079 Clinical Education 2.3C

7 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Clinical Placement (6 weeks). **Prerequisites:** MRTY

2077 Clinical Education 2.1C. **Corequisites:** MRTY 2078 Clinical Education 2.2C.

Assessment: 2 case studies, reflective summary and final clinical assessment.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in head and neck and tangent techniques.

Textbooks

Principles and Practice of Radiation Therapy (2nd ed). Washington, C. & Leaver, D (2004). St. Louis: Mosby.

MRTY 3059 Image Processing

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, Cross-Inst Enrolment (MRS), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Lecture 2 hours/week, practical 1 hr/week. **Prerequisites:** MRTY2060 Radiographic Physics 2 or MRTY2064 Nuclear Medicine Physics 2 or MRTY2068 Radiation Therapy Physics 2. **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

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 2. **Classes:** On campus. **Prerequisites:** MRTY3063 Radiographic Practice 3 or MRTY3070 Nuclear Medicine 3A or MRTY3075 Radiation Therapy 3A. **Assessment:** Progress reports and submission of project.

This unit of study follows on from the module in MRTY3063 Radiographic Practice 3, MRTY3070 Nuclear Medicine 3A and MRTY3075 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

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Lectures, group led discussion forums. **Prerequisites:** MRTY2061 Radiographic Practice 2 or MRTY2065 Nuclear Medicine 2 or MRTY2069 Radiation Therapy 2. **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

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hours per week on campus. **Prerequisites:** MRTY2060 Radiographic Physics 2, MRTY2061 Radiographic Practice 2. **Corequisites:** MRTY3059 Image Processing. **Assessment:** Tutorials/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 examined in terms of operational principles, quality assurance and radiation dose implications.

Textbooks

1. Christensen's Physics of Diagnostic Radiology. Curry, T.S., Dowdey, J.E. & Murray, R.C. Lea & Febiger 2. The MRI Manual. Lufkin, R.B. Year Book Medical Publishers

MRTY 3063 Radiographic Practice 3

3 credit points. B App Sc (MRS) Diag Rad, Cross-Inst Enrolment (MRS), UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** MRTY2061 Radiographic Practice 2. **Corequisites:** MRTY3090 Clinical Education 3.1 A. **Assessment:** Examination and portfolio assessment.

This unit of study will build upon the regions taught in previous Radiographic Practice units 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 MRTY3060 Medical Radiations Project in semester 2.

MRTY 3064 Sonography A

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, Cross-Inst Enrolment (MRS), UG Study Abroad Program. **Session:** 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

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Mr Warren Reed. **Session:** Semester 1. **Classes:** On campus. **Corequisites:** MRTY3063 Radiographic Practice 3. **Assessment:** Mid semester exam, end of 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 respiratory diseases in the paediatric patient.

MRTY 3067 Radiographic Physics 3B

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, Cross-Inst Enrolment (MRS), UG Study Abroad Program. Mr J Reddy. **Session:** Semester 2. **Classes:** On campus. **Prerequisites:** MRTY2060 Radiographic Physics 2, MRTY3063 Radiographic Practice 3. **Assessment:** Tutorials/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 MRL. Quality assurance and radiation protection principles and practice have been extended.

Textbooks

Christensen's Physics of Diagnostic Radiology by Curry, T.S., Dowdey, J.E. & Murray, R.C. (Lea & Febiger).

MRTY 3069 Nuclear Medicine Physics 3

3 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Dr Dale Bailey. **Session:** Semester 1. **Prerequisites:** MRTY2064 Nuclear Medicine Physics 2, MRTY2057 Intro Radiation Biology and Protection. **Corequisites:** MRTY3059 Image Processing.

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

6 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Mr Peter Kench. **Session:** Semester 1. **Classes:** On campus. **Prerequisites:** MRTY2065 Nuclear Medicine 2, MRTY2067 Clinical Education 2B. **Corequisites:** MRTY3092 Clinical Education 3.1B. **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 MRTY3060 Medical Radiations Project in semester 2.

Textbooks

Christian RE, Bernier DR and Langan JK Nuclear Medicine and PET Technology and Techniques (5th ed) Mosby 2004

MRTY 3072 Nuclear Medicine 3B

6 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. Ms Edwina Adams & Mr Peter Kench. **Session:** Semester 2. **Classes:** On campus. **Prerequisites:** MRTY3070 Nuclear Medicine 3A. **Corequisites:** MRTY3093 Clinical Education 3.2B. **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.

Textbooks

Christian RE, Bernier DR and Langan JK Nuclear Medicine and PET Technology and Techniques (5th ed) Mosby 2004

MRTY 3074 Radiation Therapy Physics 3

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Mark West. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** MRTY2068 Radiation Therapy Physics 2, MRTY2057 Intro Radiation Biology and Protection, MRTY2069 Radiation Therapy 2. **Corequisites:** MRTY3059 Image Processing. **Assessment:** Test, poster and final examination.

This is the third of three units which cover the physical principles of the appropriate use of ionising radiation therapy. This subject aims to make students aware 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. Levitt, S., Khan, E, 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

6 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Ms Danielle Milinkovic. **Session:** Semester 1. **Classes:** Independent research, group discussion forums, practicals. 6 hours/week. **Prerequisites:** MRTY2069 Radiation Therapy 2, MRTY2068 Radiation Therapy Physics 2, MRTY2070 Clinical Education 2C. **Corequisites:** BIOS3050 Oncology B. **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 MRTY3060 Medical Radiations Project in semester 2.

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 3077 Radiation Therapy 3B

6 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Mr Craig Opie. **Session:** Semester 2. **Classes:** Independent research, group discussion forums, practicals. 6 hours/week. **Prerequisites:** MRTY2069 Radiation Therapy 2, MRTY2068 Radiation Therapy Physics 2. **Corequisites:** MRTY3095 Clinical Education 3.2C. **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 multifield techniques of the thorax, salivary glands and facial sinuses. Advances in radiation therapy planning will be further addressed.

Textbooks

1. The Physics of Radiation Therapy (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 3078 Seminars in Radiation Therapy

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Mr John Atyeo. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** MRTY3075 Radiation Therapy 3A. **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 3080 Seminars in Diagnostic Radiography

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Ann Poulos. **Session:** 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

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis. **Session:** 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 3084 Paediatric Radiography

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis. **Session:** Semester 2.

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 3086 Functional Brain Imaging

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Mr John Robinson. **Session:** 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 3089 Operating Theatre Radiography

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus and clinical centre. **Assumed Knowledge:** MRTY 3063 Radiographic Practice 3. **Prohibitions:** Failure to acquire a PRM. **Assessment:** Experience report of one operating suite case using theatre radiography (40%), written exam (multiple choice) 40 mins, (40%), theatre competency/activity relating to equipment, theatre and protocol (20%).

Students will extend their professional development in the area of theatre radiography through a series of facilitated workshops and practical experience. Students will observe and participate in aspects of radiography relating to in-theatre imaging whilst undertaking clinical education at a university approved location. Students attending a clinical placement without theatre capabilities will be able to carry over their experience report until the mid year clinical placement. Areas will include surgical procedures such as orthopaedics, vascular, gastro-intestinal, cardiac and urinary imaging.

MRTY 3090 Clinical Education 3.1A

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. Dr Sarah Lewis. **Session:** Semester 1. **Classes:** Clinical Placement (5 weeks). **Prerequisites:** MRTY 2063 Clinical Education 2A, MRTY2061 Radiographic Practice 2. **Corequisites:** MRTY3063 Radiographic Practice 3. **Assessment:** Clinical Departmental assessment, written studies (SICA/case), University nominated 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.

MRTY 3091 Clinical Education 3.2A

3 credit points. B App Sc (MRS) Diag Rad, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Clinical Placement (5 weeks). **Prerequisites:** MRTY3090 Clinical Education 3.1A, MRTY3063 Radiographic Practice 3. **Assessment:** Reflective Journal, Experience Report, Departmental assessment plus OSCE. *NB: See "clinical education" section*

This clinical practicum allows for completion of any outstanding clinical competencies. 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'.

MRTY 3092 Clinical Education 3.1B

3 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Clinical Placement. **Prerequisites:** MRTY2067 Clinical Education 2B. **Corequisites:** MRTY3070 Nuclear Medicine 3 A. **Assessment:** Case study, assignment, oral test, clinical assessment. *NB: See "clinical education" section*

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.

MRTY 3093 Clinical Education 3.2B

3 credit points. B App Sc (MRS) Nuclear Med, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Clinical Placement. **Prerequisites:** MRTY3092 Clinical education 3.1B. **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.

MRTY 3094 Clinical Education 3.1C

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Clinical Placement (6 weeks). **Prerequisites:** MRTY 2069 Radiation Therapy 2; MRTY 2059 Medical Ethics and Professional Issues; MRTY 2070 Clinical Education 2C. **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.

MRTY 3095 Clinical Education 3.2C

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Clinical Placement. **Prerequisites:** MRTY 3094 Clinical Education 3.1C. **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.

MRTY 4032 Honours Thesis 1A

24 credit points. B App Sc (MRS) NMT Hons, B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. DrAnnPoulos. **Session:** Semester 1.

Honours students undertake a supervised research study in an area of medical radiation sciences. 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 the academic staff member who is their supervisor.

MRTY 4033 Honours Thesis 1B

24 credit points. B App Sc (MRS) NMT Hons, B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. DrAnnPoulos. **Session:** Semester 2.

Honours students undertake a supervised research study in an area of medical radiation sciences. 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 the academic staff member who is their supervisor.

MRTY 4034 Honours Thesis A

12 credit points. B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. Dr Simon Cowell.

Session: Semester 1. **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project. Honours students 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 the academic staff member who is their supervisor. There are no formal classes, but students are required to meet regularly with their supervisor and attend compulsory workshops.

MRTY 4035 Honours Thesis B

12 credit points. B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. Dr Simon Cowell.

Session: Semester 2. **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project. Honours students 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 the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and to attend compulsory workshops.

MRTY 4036 Honours Thesis C

12 credit points. B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. Dr Simon Cowell.

Session: Semester 1. **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project. Honours students 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 the academic staff member who

is their supervisor. There are no formal classes, but students are required to meet regularly with their supervisor and to attend compulsory workshops.

MRTY 4037 Honours Thesis D

12 credit points. B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons, UG Study Abroad Program. Dr Simon Cowell.

Session: Semester 2. **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project.

Honours students 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 the academic staff member who is their supervisor. There are no formal classes, but students are required to meet regularly with their supervisor and to attend compulsory workshops.

13. School of Occupation and Leisure Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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, telephone +61 2 9351 9386.

Bachelor of Applied Science (Leisure and Health)

This specialisation provides the skills and knowledge required to plan, manage and evaluate a range of leisure oriented programs/services in order for people to experience the benefits of participating in leisure, play, recreational and sporting activities. Graduates of this course will gain specific skills and knowledge in designing programs and services that will lead to better health outcomes and increased wellbeing for all participants. Leisure is an important aspect of life for people of all backgrounds.

What is special about this program?

- Situated within the Faculty of Health Sciences, this course places special emphasis on people who experience constraints to gaining the full benefits of participating in leisure; for example for people at risk of being marginalized because of health status, disability, age or socioeconomic status.
- Students gain hands-on experience by working extensively with a variety of client groups, side by side with practicing professionals and in community placements.
- The teaching team is engaged in research that is woven throughout the course.
- Students have opportunities to engage in practical research.
- Industry partnerships are integral to the learning environment.

Career opportunities

Graduates pursue careers in a variety of roles and settings which involve planning, managing, implementing and evaluating leisure based programs and/or services within environments such as; rehabilitation units, psychiatric hospitals, community mental health services, sport and recreational services, day and vacation-care centres, residential services for the aged, disability services, sport and recreational services, local councils, children's hospitals, correctional facilities, youth and community centres, outdoor recreational programs, resorts, camps and policy bodies.

Clinical experience

Students undertake 13 weeks of field experience individually and with peer groups. Individual experience might be in a government department, correctional facility or after school care. Recent group experiences have included planning, implementing and evaluating a camp for adults with disabilities and designing and managing a charity based ski weekend. All clinical experiences are supported through industry partnerships.

Professional recognition

- World Leisure Association
- Australian and New Zealand Association for Leisure Studies
- Parks and Leisure Australia
- Australian Council for Health, Physical Education and research
- Divisional Therapy Association Australia.

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 at HSC level.

Admission requirements (off-campus/flexible mode)

No applications will be accepted for this program after 2004.

Course outlines

The course outlines for the Bachelor of Applied Science (Leisure and Health) Pass and Honours degrees are presented in Tables 13.1 and 13.2. For information specific to the Leisure and Health off-campus flexible mode see 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 13.2 for details.

Table 13.1: Bachelor of Applied Science (Leisure and Health) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH104: Pass course; full-time, 3 years					
Year1					
Semester 1					
BACH 1133	Introduction to Health Psychology	6			Semester 1
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry		Semester 1, Semester 2
OCCP 1054	Leisure in Australia	4			Semester 1
OCCP 1055	Introduction to Leisure and Health	4			Semester 1
OCCP 1080	Professional Practice I	6			Semester 2
Semester 1 total: 24 credit points					
Semester 2					
BACH 1139	Health and Research Design: General	3			Semester 1, Semester 2
BACH 2126	Maladaptive Behaviours/Behaviour Change	4	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology, or equivalent.		Semester 1, Semester 2
BACH 2128	Cognition and Cognitive Impairment	3	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology N BACH1 159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery		Semester 2
HIMT 1047	Australian Health Care Systems	4	NB: Advanced standing (for off-campus students only)		Semester 2
OCCP 1057	Creative Arts in Recreation	4			Semester 1, Semester 2
OCCP 1093	Leisure Practice Through the Lifecycle	3	A Basic principles of human development and leisure principles		Semester 2
OCCP 2053	Contemporary Issues in Healthcare	3			Semester 2, Semester 1
Semester 2 total: 24 credit points					
Year 2					
Semester 1					
BACH 1134	Health, Illness and Social Inquiry	6			Semester 1
BIOS 2095	Body Functions	4	NB: Department permission required for enrolment.		Semester 1, Semester 2
OCCP 2058	Social Psychology of Leisure and Play	3			Semester 1
OCCP 2059	Learning Processes and Leisure Education	3			Semester 1
OCCP 2082	Professional Practice IIA	8	P OCCP 1080 Professional Practice I NB: NB Advanced Standing for off-campus students only.		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 1141	Analysing Health Research: General	3	A Basic mathematics		Semester 1, Semester 2
BIOS 2096	Body Functions and Disease	4	A BIOS2095 Body Functions NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.		Semester 1, Semester 2
OCCP 1056	Management and Leadership	4			Semester 2
OCCP 2062	Program Design and Evaluation	4			Semester 1, Semester 2
OCCP 2073	Client Groups I	6	P OCCP 105 5 Introduction to Leisure and Health		Semester 2
OCCP 2083	Professional Practice IIB	3	P OCCP2082 Professional Practice IIA NB: NB Advanced Standing for off-campus students only.		Semester 2
Semester 2 total: 24 credit points					
Year 3					
Semester 1					
OCCP 3050	Professional Communication and Guidance	3			Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
OCCP 3067 Professional Practice If A 18 P OCCP2083 Professional Practice LIB NB: NB This unit of study is for on-campus students only.							Semester 1
Elective (see note below) 3 [3]							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 1031 Clients, Practitioners and Organisations 3 A BACH 1130 Foundations of Health Sociology							Semester 1, Semester 2
BIOS 3054 Contemporary Issues in Biomed Sciences 4							Semester 2
OCCP 3052 Research Project in Leisure and Health 4 A This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.							Semester 2
OCCP 3059 Outdoor Recreation and Education 4 A Communication skills, Basic counselling skills							Semester 1, Semester 2
OCCP 3060 Client Groups If 3 P OCCP2073 Client Groups 1							Semester 2
OCCP 3068 Professional Practice IfB 4 NB: NB This unit of study is for on campus students only.							Semester 2
Elective (see note below) 3 [3]							
<i>Semester 2 total: 24 credit points</i>							

Note

In consultation with the Head of School, students will be required to do two elective units of study of three credit points each from one School in the Faculty, the wider University, or other centre of tertiary study.

Table 13.1.1: Bachelor of Applied Science (Leisure and Health) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SHI 13: Honours program; full-time, 4 years							
Year 3 (Years 1 and 2 as per Pass course)							
Semester 1							
OCCP 3050 Professional Communication and Guidance 3							Semester 1
OCCP 3067 Professional Practice IIIA 18 P OCCP2083 Professional Practice IIB NB: NB This unit of study is for on-campus students only.							Semester 1
Elective/Research Elective(see note below) 3 [3]							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 1031 Clients, Practitioners and Organisations 3 A BACH1130 Foundations of Health Sociology							Semester 1, Semester 2
BIOS 3054 Contemporary Issues in Biomed Sciences 4							Semester 2
OCCP 3051 Outdoor Recreation and Education 3 A Communication skills, basic counselling skills							Semester 1, Semester 2
OCCP 3060 Client Groups II 3 P OCCP2073 Client Groups 1							Semester 2
OCCP 3068 Professional Practice IIIB 4 NB: NB This unit of study is for on campus students only.							Semester 2
OCCP 3075 Honours Research Seminar I 4							Semester 2
Elective/Research Elective (see note below) 3 [3]							
<i>Semester 2 total: 24 credit points</i>							
Year 4							
Semester 1							
OCCP 4019 Honours Research Seminar II 4							Semester 1
OCCP 4073 Honours Thesis A 20							Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
OCCP 4074 Honours Thesis B 21							Semester 2
Elective/Research Elective(see note below) 3 [3]							
<i>Semester 2 total: 24 credit points</i>							
<i>Note: See course supervisor for Electives/Research Elective choices.</i>							

Table 13.2: Bachelor of Applied Science (Leisure and Health) off-campus mode

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code SHI03: Off-campus/flexible mode. Pass course; part-time, 6 years				
Year 3 (last offered in 2006)				
Semester 1				
BACH 2113	Psychology of Disability I	4		Semester 1
OCCP 2059	Learning Processes and Leisure Education	3		Semester 1
OCCP 2062	Program Design and Evaluation	4		Semester 1, Semester 2
Semester 2				
BACH 2114	Psychology of Disability II	4		Semester 2
BACH 2115	Research Methods I	3		Semester 2
OCCP 2060	DT and the Ageing Population	3		Semester 2
Year 3 total: 21 credit points				
Year 4				
Semester 1				
OCCP 2053	Contemporary Issues in Healthcare	3		Semester 2, Semester 1
OCCP 2058	Social Psychology of Leisure and Play	3		Semester 1
OCCP 2082	Professional Practice IIA	8	P OCCP 1080 Professional Practice I NB: NB Advanced Standing for off-campus students only.	Semester 1
Semester 2				
BACH 1031	Clients, Practitioners and Organisations	3	A BACH1 130 Foundations of Health Sociology	Semester 1, Semester 2
BIOS 2096	Body Functions and Disease	4	A BIOS2095 Body Functions NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.	Semester 1, Semester 2
OCCP 2061	Client Groups I	4		Semester 2
OCCP 2083	Professional Practice IIB	3	P OCCP2082 Professional Practice IIA NB: NB Advanced Standing for off-campus students only.	Semester 2
Year 4 total: 28 credit points				
Year 5				
Semester 1				
BACH 3059	Research Methods II	2	P BACH2115 Research Methods 1	Semester 1
OCCP 3050	Professional Communication and Guidance	3		Semester 1
OCCP 3059	Outdoor Recreation and Education	4	A Communication skills, Basic counselling skills	Semester 1, Semester 2
OCCP 3069	Professional Practice IIIC	5	NB: This unit of study is for off campus students only	Semester 1
Semester 2				
OCCP 3060	Client Groups II	3	P OCCP2073 Client Groups 1	Semester 2
OCCP 3070	Professional Practice HID	6	P OCCP3069 Professional Practice IIIC NB: This unit of study is for off campus students only.	Semester 2
Elective (see note below) 3 [3]				
Year 5 total: 25 credit points				
Year 6				
Semester 1				
BIOS 3042	Biological Sciences IIIA	2		Semester 1
OCCP 3071	Professional Practice HIE	5	P OCCP3070 Professional Pactice HID NB: This unit of study is for off campus students only.	Semester 1
Elective (see note below) 3 [3]				

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Semester 2			
BIOS 3043	Biological Sciences IIIB	2	P BIOS2096 Body Functions and Disease Semester 2
OCCP 3052	Research Project in Leisure and Health 4 A	This unit is only available to students after completion of 4 semesters (full time equivalent) of the course. Semester 2	
OCCP 3072	Professional Practice IIIF	6	P OCCP3071 Professional Practice HIE NB: This unit of study is for off campus students only. Semester 2
<i>Year 6 total: 22 credit points</i>			
Note			
In consultation with the Head of School, students will be required to do one unit of study of three credit points, from one School in the Faculty, the wider University, or other centre of tertiary study.			

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) Pass and Honours degrees are presented in Tables 13.3 and 13.3.1.

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.

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 13.3: Bachelor of Applied Science (Occupational Therapy) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SHI 11: Pass course; full-time, 4 years					
Year 1					
Semester 1					
BACH 1130	Foundations of Health Sociology	3			Semester 2, Semester 1
BACH 1132	Foundations of Health Psychology	3			Semester 1, Semester 2
BIOS 1126	Human Biology and Biochemistry	4	A Basic Chemistry		Semester 1, Semester 2
OCCP 1081	Human Occupations IA	3			Semester 1
OCCP 1082	OT Theory and Process I	5			Semester 1
OCCP 1091	Components of Occ Performance IA	3			Semester 1
OCCP 1094	Professional Practice I	3			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BIOS 1132	Neuroscience I	3			Semester 2, Semester 1
BIOS 1136	Functional Anatomy A	4			Semester 1, Semester 2
OCCP 1036	Human Occupations IB	3			Semester 2
OCCP 1083	Occupations/Roles Across the Lifespan I	5			Semester 2
OCCP 1095	Components of Occ Performance IB	6			Semester 2
Elective (see note below) 3 [3]					
Semester 2 total: 24 credit points					
Year 2					
Semester 1					
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
BIOS 1139	Functional Anatomy B	3	A BIOS 1136 Functional Anatomy A		Semester 1, Semester 2
BIOS 1141	Neuroscience II	3			Semester 1, Semester 2
OCCP 2041	Human Occupations IIA	3			Semester 1
OCCP 2076	OT Theory and Process II	4			Semester 1
OCCP 2077	Occupations/Roles Across the Lifespan II	3			Semester 1
OCCP 2080	Components of Occ Performance IIA	5			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics		Semester 2, Semester 1
BACH 2127	Health Policy and Service Delivery	3	P BACH1 130 Foundations of Health Sociology, or BACH1098 Introduction to Health Sociology, or equivalent		Semester 2
BACH 2128	Cognition and Cognitive Impairment	3	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology N BACH1 159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery		Semester 2
BIOS 1127	Body Systems I	3	A BIOS 1126 Human Biology and Biochemistry		Semester 2
EXSS 2015	Kinesiology for Occupational Therapy	3			Semester 2
OCCP 2042	Human Occupations IIB	3	A Child development		Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
OCCP 2044 Components of Occ Performance IIB	3						Semester 2
OCCP 2081 Professional Practice II	3		P OCCP 1094 Professional Practice I				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Year 3							
Semester 1							
OCCP 3061 Professional Practice IIIA	12		P OCCP2081 (or OCCP2078) Professional Practice II				Semester 1
OCCP 3065 Professional Practice IIIB	12		P OCCP2081 (or OCCP2078) Professional Practice II				Semester 2, Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
BACH 1147 Qualitative Health and Social Research	3						Semester 1, Semester 2
BACH 2126 Maladaptive Behaviours/Behaviour Change	4		A BACHI 132 Foundations of Health Psychology, or BACHI 133 Introduction to Health Psychology, or equivalent.				Semester 1, Semester 2
EXSS 3019 Applied Physiology	3						Semester 2
OCCP 3032 OT Theory and Process III	3						Semester 2
OCCP 3064 Human Occupations III	3						Semester 2
OCCP 3066 Components of Occ Performance III	5						Semester 2
Electives (see note below) 3 [3]							
<i>Semester 2 total: 24 credit points</i>							
Year 4							
Semester 1							
Professional electives Semester 1 credit points: 24							
Students choose three professional electives of 8 credit points each from the following(availability of electives may vary from year to year).							
OCCP 4055 Adolescent & Family Mental Health	8						Semester 1
OCCP 4056 OT in Learning & Co-ord Difficulties	8						Semester 1
OCCP 4057 Upper Limb / Hand Therapy	8						Semester 1
OCCP 4058 Advanced Communication & Management	8						Semester 1
OCCP 4059 OT & Post-traumatic Stress Syndrome	8						Semester 1
OCCP 4061 Culture & Communication	8						Semester 1
OCCP 4062 Community Based Rehabilitation	8						Semester 1
OCCP 4063 Evaluation of OT Programs	8						Semester 1
OCCP 4065 Supporting Families/Protecting Children	8						Semester 1
OCCP 4066 The Use of Creative Arts in OT	8						Semester 1
OCCP 4068 OT in Occ Health, Safety & Rehab	8		P OCCP3064 Human Occupations III				Semester 1
OCCP 4075 Mental Health Interventions	8		P OCCP 1091 Components of Occ Performance IA; OCCP2044 Components of Occ Performance IIB; OCCP3066 Components of Occ Performance III				Semester 1
OCCP 4076 Technology for Living	8		NB: Internet activity is required as part of this course.				Semester 1
OCCP 4077 Professional Elective - General	8						Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
OCCP 4051 Professional Practice IV	24		P OCCP3061 Professional Practice IIIA, and OCCP3065 Professional Practice IIIB				Semester 2

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
<i>Semester 2 total: 24 credit points</i>		
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 13.3.1: Bachelor of Applied Science (Occupational Therapy) Honours

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SHI 12: Honours program, full-time; 4 years		
Years 1 and 2		
As per Pass course		
Year 3		
Semester 1		
OCCP 3061	Professional Practice IIIA 12 P OCCP2081 (or OCCP2078) Professional Practice II	Semester 1
OCCP 3065	Professional Practice IIIB 12 P OCCP2081 (or OCCP2078) Professional Practice II	Semester 2, Semester 1
<i>Semester 2 total: 24 credit points</i>		
Semester 2		
BACH 2126	Maladaptive Behaviours /Behaviour Change 4 A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology, or equivalent.	Semester 1, Semester 2
EXSS 3019	Applied Physiology 3	Semester 2
OCCP 3029	Honours Research Seminar I 3	Semester 2
OCCP 3032	OT Theory and Process III 3	Semester 2
OCCP 3064	Human Occupations III 3	Semester 2
OCCP 3066	Components of Occ Performance III 5	Semester 2
Research elective 3 (see note below)		
<i>Semester 2 total: 24 credit points</i>		
Year 4		
Semester 1		
OCCP 4019	Honours Research Seminar II 4	Semester 1
OCCP 4071	Professional Practice IV (Hons) 20 P OCCP3061 Professional Practice IIIA, and OCCP3065 Professional Practice IIIB.	Semester 1
<i>Semester 1 total: 24 credit points</i>		
Semester 2		
OCCP 4072	Honours Thesis 24	Semester 2
<i>Semester 2 total: 24 credit points</i>		
<i>Year 4 total: 48 credit points</i>		
Note		
OCCP 4070 is an approved elective.		

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 - Clinical Practicums and other guided practice experiences spread over semesters 1 and 2; a one week block placement in the inter-semester recess.

Professional Practice II - A three week block placement in the inter-semester recess; and or group and individual placement throughout semesters 1 and 2.

Professional Practice III - During first semester, third year students undertake a nine week field placement. This is completed in one block at a single facility. 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: at various times throughout both semesters
Year 2: at various times throughout both semesters and intersemester break
Year 3: 27 March to 2 June.

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/ online education, 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: 26 June to 7 July (2 weeks)
Year 2: 10 July to 28 July (3 weeks)

Year 3:

3A: 27 February to 7 April (6 weeks),
 3B: 1 May to 16 June (7 weeks)

Year 4:

Pass course: 7 August to 29 September (8 weeks),
 Honours program: 30 October to 8 December (6 weeks).

Uniforms

Students in the Leisure and Health and Occupational Therapy courses 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 or white Shirtmaker blouse
 Navy blue skirt or culotte
 Navy blue cardigan or jumper
 Navy blue or black, closed shoes.

Men

Lemon or white 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.

Units of study

Leisure and Health

BACH 1031 Clients, Practitioners and Organisations

3 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B A, Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **Classes:** 13 Lectures, 13 Seminars. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology. **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.

Textbooks

Book of readings

BACH 1133 Introduction to Health Psychology

6 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Clng), UG Study Abroad Program. Karen Pepper. **Session:** 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

6 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Clng), UG Study Abroad Program. Ian Andrews. **Session:** 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 1139 Health and Research Design: General

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Orth), B App Sc (Orth), B B Hlth Sc, B Hlth Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Dr. Kaye Brock, Dr. Peter Choo. **Session:** Semester 1, Semester 2. **Assessment:** Mid semester class test, end of semester 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Karen Pepper. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

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

BACH 2113 Psychology of Disability I

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Rosemary Pynor. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Karen Pepper. **Session:** 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 characteristics, 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Karen Pepper. **Session:** 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/Behaviour Change

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (OT) Hons, B App Sc (Phy), B App Sc (Phy) Hons, B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Health Sciences UG Non-Award. Dr Mairwen Jones. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology, or equivalent. **Assessment:** 25 minute small group (2-3 people) class presentation (problem and treatment) - 40%; MCQ/SAQ/Essay exam (2 hours) - 60%.

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 ap-

proaches 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B B Hlth Sc, UG Study Abroad Program. Dr. Steve Cumming. **Session:** Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology. **Prohibitions:** BACH 1159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery. **Assessment:** Assignment 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

2 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Karen Pepper. **Session:** Semester 1. **Classes:** Off campus. **Prerequisites:** BACH2115 Research Methods 1. **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.

BIOS 1126 Human Biology and Biochemistry

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc (Rehab Cln), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Classes:** Lectures, tutorials and on-line modules. **Assessment:** MCQ and SAQ 40%, End Semester exam 60%.

NB: Department permission required for enrolment.

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 Human Biology and Biochemistry 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 e-mail. 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Elizabeth Hegedus. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BIOS2095 Body Functions. **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 BIOS2095 Body Functions 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, Tompany, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

BIOS 3042 Biological Sciences IIIA

2 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Dana Strain. **Session:** 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

2 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Dana Strain. **Session:** Semester 2. **Prerequisites:** BIOS2096 Body Functions and Disease.

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 Biomed Sciences

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. Ms Dana Strain. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, UG Study Abroad Program. Ms Aditi Dey (02) 9351 9058. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. DrNorm Kelk. **Session:** Semester 1. **Classes:** 3 x 1hour lectures and 7 x 1hour tutorials per semester. **Assessment:** Assignment, examinations x 2.

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 is 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.

Textbooks

Veal, A.J. & Lunch, R. (2001) Australian Leisure, Pearson.

OCCP 1055 Introduction to Leisure and Health

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, UG Study Abroad Program. Ms. Jo Ragen. **Session:** Semester 1. **Classes:** On campus (3 hours/week) and webCT. **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.

OCCP 1056 Management and Leadership

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, UG Study Abroad Program. Mr Philip Chan. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **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.

OCCP 1057 Creative Arts in Recreation

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1, Semester 2. **Classes:** On campus 3 hours/week. **Assessment:** Assignments.

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 1080 Professional Practice I

6 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** 4 hours/week plus placement. **Assessment:** A pass grade requires full attendance, completion of all webCT, and completion of a group event placement. Assessed on a pass/fail basis.

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. 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.

OCCP 1093 Leisure Practice Through the Lifecycle

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. DrNorm Kelk. **Session:** Semester 2. **Classes:** 3 hours/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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2, Semester 1. **Classes:** On campus 2 hours/week. **Assessment:** Assignment, examination, presentation.

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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1. **Classes:** On campus mode (2 hours/week) or Distance education. **Assessment:** Assignment, examinations.

This unit of study aims to broaden the 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 relate 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Norm Kelk. **Session:** Semester 1. **Classes:** On campus 2 hours/week. **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 DT and the Ageing Population

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Dr Norm Kelk. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** Off-campus. **Assessment:** Assignments, webCT.

This unit of study will provide students with an understanding of the leisure needs and constraints affecting various client groups. 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1, Semester 2. **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

6 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** OCCP 1055 Introduction to Leisure and Health. **Assessment:** Report (1500 words), 1000 words essay, webCT.

This unit of study will provide students with an understanding of the leisure needs and constraints affecting various client groups. 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 2082 Professional Practice IIA

8 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 1. **Classes:** 26 hrs/clinical workshops on campus plus WebCT over the semester. **Prerequisites:** OCCP 1080 Professional Practice I. **Assessment:** A Pass grade requires full attendance at clinical workshops, completion of WebCT entries and satisfactory completion of assignments. Assessed on Pass/Fail basis. **NB:** NB Advanced Standing for off-campus students only.

This unit of study has three components: clinical workshops, WebCT entries and an assignment which is related to preparation for the placement which is part of OCCP2083 Professional Practice IIB. 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.

OCCP 2083 Professional Practice IIB

3 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** WebCT entries, clinical workshops, seminar. **Prerequisites:** OCCP2082 Professional Practice IIA. **Assessment:** A Pass grade requires full attendance at field placements, clinical workshops, completion of WebCT entries and satisfactory completion of assignments. Assessed on Pass/Fail basis. **NB:** NB Advanced Standing for off-campus students only.

This unit of study has 4 components: 3 week block placement plus a series of on campus activities; WebCT entries to be completed during the placement; a report is required at the conclusion of the placement; seminar. During the placement(s) in a professional relationship with their supervisee students are encouraged to develop and implement recreation programs, evaluate the programs and administrative procedures and link their academic study to professional practice.

OCCP 3050 Professional Communication and Guidance

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. Dr Norm Kelk. **Session:** 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 clients' 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.

OCCP 3051 Outdoor Recreation and Education

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1, Semester 2. **Classes:** On-campus mode: 1 hr lect/week, 1 hr tutorial/week; Distance education mode: 3 day block plus 26 hrs study. **Assumed Knowledge:** Communication skills, basic counselling skills. **Assessment:** 1500 word essay, 1500 word report on camp/field visit experiences.

This unit's focus is outdoor education in adventure based practice and comprises three modules. The first module 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 module examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third module 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 substantially taught in block mode, usually over two days at an outdoor education centre where students run programs for themselves and practise debriefing of real adventure experiences. A fee is payable by students for the block mode element of the program.

OCCP 3052 Research Project in Leisure and Health

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **Assumed Knowledge:** This unit is only available to students after completion of 4 semesters (full time equivalent) of the course. **Assessment:** Assignments.

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 3059 Outdoor Recreation and Education

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT), B Hlth Sc, B Hlth Sc (Hons). Dr Norm Kelk. **Session:** Semester 1, Semester 2. **Classes:** on-campus 1 hour lecture/week, 1 hour tutorial/week; off-campus block mode. **Assumed Knowledge:** Communication skills, Basic counselling skills. **Assessment:** 1500 - 2000 word essay (50%), Skills-based assessment (50%). This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical application of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphorical 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.

OCCP 3060 Client Groups II

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** on campus 2 hours in week 1 plus WebCT. **Prerequisites:** OCCP2073 Client Groups 1. **Assessment:** Assignments, WebCT. 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 3067 Professional Practice IIIA

18 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 1. **Classes:** On campus 3 hrs weeks 1-3, 13. **Prerequisites:** OCCP2083 Professional Practice JIB. **Assessment:** Fieldwork performance, WebCT entries, assignments.

NB: NB This unit of study is for on-campus students only.

On campus students will have the opportunity to consolidate their learning through a 9 week placement. During the placement, in the context of a professional relationship with their supervisor, students will integrate academic study with practical experience. The placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and to gain mastery of the skills needed in the workplace.

OCCP 3068 Professional Practice IIIB

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** 3 weeks x 2 hours plus seminar. **Assessment:** Completion of reports regarding placement performance and placement research/evaluation activity.

NB: NB This unit of study is for on-campus students only.

For on campus students, this unit completes the requirements for professional practice training in the final year of the course. Within this unit, students are required to submit their end of placement reports on their professional practice placements and reports on the research/evaluation projects that they completed during their placements.

OCCP 3069 Professional Practice IIIC

5 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 1. **Classes:** Off campus. **Assessment:** Fieldwork performance, WebCT entries, assignments.

NB: This unit of study is for off campus students only

Off campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off campus students will negotiate to take this placement on a full- or part-time basis while completing the units OCCP3070 Professional Practice HID, OCCP3071 Professional Practice HIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity, and gain mastery of the skills needed in the workplace.

OCCP 3070 Professional Practice HID

6 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** Off campus. **Prerequisites:** OCCP3069 Professional Practice IIIC. **Assessment:** Fieldwork performance, WebCT entries, assignments.

NB: This unit of study is for off campus students only.

Off campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off campus students will negotiate to take this placement on a full- or part-time basis while completing the units OCCP3070 Professional Practice HID, OCCP3071 Professional Practice HIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity, and gain mastery of the skills needed in the workplace.

OCCP 3071 Professional Practice HIE

5 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 1. **Classes:** Off campus. **Prerequisites:** OCCP3070 Professional Practice HID. **Assessment:** Fieldwork performance, WebCT entries, assignments.

NB: This unit of study is for off campus students only.

Off campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off campus students will negotiate to take this placement on a full- or part-time basis while completing the units OCCP3070 Professional Practice HID, OCCP3071 Professional Practice HIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity, and gain mastery of the skills needed in the workplace.

OCCP 3072 Professional Practice IIIF

6 credit points. B App Sc (Leis&Hlth), UG Study Abroad Program. Ms Jo Ragen. **Session:** Semester 2. **Classes:** Off campus. **Prerequisites:** OCCP3071 Professional Practice HIE. **Assessment:** Fieldwork performance, WebCT entries, assignments.

NB: This unit of study is for off campus students only.

Off campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off campus students will negotiate to take this placement on a full- or part-time basis while completing the units OCCP3070 Professional Practice HID, OCCP3071 Professional Practice HIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity, and gain mastery of the skills needed in the workplace.

OCCP 3075 Honours Research Seminar I

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT) Hons, UG Study Abroad Program. Dr David McConnell. **Session:** 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 4019 Honours Research Seminar II

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT) Hons, UG Study Abroad Program. Dr David McConnell. **Session:** Semester 1. **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 4073 Honours Thesis A

20 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. **Session:** Semester 1.

This unit provides an opportunity for Honours students to undertake a supervised research project in an area of leisure and health. As part of this and other honours units of study, each student will design and implement an approved research project and then submit a thesis describing the project and its implications. Students will work closely with an academic staff member who serves as their supervisor in completing the research and thesis.

OCCP 4074 Honours Thesis B

21 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, UG Study Abroad Program. **Session:** Semester 2.

This unit provides an opportunity for Honours students to undertake a supervised research project in an area of leisure and health. As part of this and other honours units of study, each student will design and implement an approved research project and then submit a thesis describing the project and its implications. Students will work closely with an academic staff member who serves as their supervisor in completing the research and thesis.

Occupational Therapy**BACH 1130 Foundations of Health Sociology**

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B B Hlth Sc (Hons), B. Mr Ian Andrews, Ms Ann Hale. **Session:** Semester 2, Semester 1. **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 1132 Foundations of Health Psychology

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&Speech), B O. Ms Karen Pepper. **Session:** Semester 1, 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 1143 Designing Health Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cln). B Hlth Sc (Rehab Cln) Hons, Cross Ins. Dr. Zakia Hossain, Dr. Rob Heard. **Session:** Semester 1, 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 develop skills in a selection of interview, survey, observational and epidemiological research designs. Database and literature review techniques will be introduced as well as issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cln), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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 Qualitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Toni Schofield. **Session:** Semester 1, 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/Behaviour Change

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (OT) Hons, B App Sc (Phy), B App Sc (Phy) Hons, B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Health Sciences UG Non-Award. Dr Mairwen Jones. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology, or equivalent. **Assessment:** 25 minute small group (2-3 people) class presentation (problem and treatment) - 40%; MCQ/SAQ/Essay exam (2 hours) - 60%.

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

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B Hlth Sc, Cross Inst Enrl Behav Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Carol O'Donnell. **Session:** Semester 2. **Prerequisites:** BACH 1130 Foundations of Health Sociology, or BACH 1098 Introduction to Health Sociology, or equivalent. **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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (OT), B B Hlth Sc, UG Study Abroad Program. Dr. Steve Cumming. **Session:** Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH1133 Introduction to Health Psychology. **Prohibitions:** BACH 1159 Cognitive Factors in Health; BACH2134 Cognition and Neurocognitive Recovery. **Assessment:** Assignment 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 1126 Human Biology and Biochemistry

4 credit points. B App Sc (Leis&Hlth), B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hearing&S. Dr Peter Knight. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance or distance education. **Assumed Knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

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 1127 Body Systems I

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B B Hlth Sc, Misc, UG Study Abroad Program. Dr Jennifer Lingard. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1126 Human Biology and Biochemistry. **Assessment:** Mid Semester Exam and End Semester Exam.

This unit builds on the foundation studies of BIOS 1126 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

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 2, 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 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

4 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), Cross Institutional Enrolment, Health Sciences PG Non Award, Health Sciences UG Non-Award, Misc, UG Study Abroad Pro. Dr Karen Ginn. **Session:** Semester 1, 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 1139 Functional Anatomy B

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B Hlth Sc, B Hlth Sc (Hons), Health Sciences PG Non Award, Misc, UG Study Abroad Program. Dr. Catherine Willis. **Session:** Semester 1, Semester 2. **Classes:** On campus 30 hours. **Assumed Knowledge:** BIOS 1136 Functional Anatomy A. **Assessment:** Intraterminal 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 1141 Neuroscience II

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Study Abroad Program. Dr Ros Bohringer. **Session:** Semester 1, 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.

EXSS 2015 Kinesiology for Occupational Therapy

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, UG Study Abroad Program. Mr Michael Lee. **Session:** 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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Assoc Prof Martin Thompson. **Session:** 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

3 credit points. B App Sc (OT), UG Study Abroad Program. Ms Katy Bridge. **Session:** Semester 2. **Classes:** On campus attendance: 9 Lectures and 11x2 hour 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

3 credit points. B App Sc (OT), UG Study Abroad Program. Dr Ev Innes. **Session:** Semester 1. **Classes:** On campus attendance: 6 lectures, 10 x 2hrs 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.

Textbooks

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

OCCP 1082 OT Theory and Process I

5 credit points. B App Sc (OT), UG Study Abroad Program. Ms Judy Ranka. **Session:** 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

5 credit points. B App Sc (OT), UG Study Abroad Program. **Session:** 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 Occ Performance IA

3 credit points. B App Sc (OT), UG Study Abroad Program. Mr Philip Chan. **Session:** Semester 1. **Classes:** On campus 11x2 hours tutorials. **Assessment:** Presentation and video.

This unit of study introduces students to the principles of intrapersonal and interpersonal components of occupational performance 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 1094 Professional Practice I

3 credit points. B App Sc (OT), UG Study Abroad Program. Ms Kirsty Thompson. **Session:** Semester 1. **Classes:** On campus lectures & tutorials. **Assessment:** Presentation, assignments and performance report.

This unit of study provides students with opportunities to interact with clients and relevant others, to demonstrate professional behaviour, to integrate and apply theory and skills acquired in other units and to promote their awareness of the range and scope of occupational therapy services and the roles of team members.

OCCP 1095 Components of Occ Performance IB

6 credit points. B App Sc (OT), UG Study Abroad Program. Kirsty Stewart and Chris Chapparo. **Session:** 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 occupational performance. Principles of learning and systematic instruction which underpin occupational therapy assessment and intervention in all areas of practice will be established. 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 2041 Human Occupations IIA

3 credit points. B App Sc (OT), UG Study Abroad Program. Dr. Susan Griffin. **Session:** Semester 1. **Classes:** On campus 11x2 hours tutorials, Off campus workbook. **Assessment:** Presentation, take home exam and workbook.

This unit of study will focus on two areas, occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP 2042 Human Occupations IIB

3 credit points. B App Sc (OT), UG Study Abroad Program. Anita Bundy. **Session:** Semester 2. **Classes:** On campus lectures and tutorials 2-3 hours/week. **Assessment:**

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 Occ Performance IIB

3 credit points. B App Sc (OT), UG Study Abroad Program. **Session:** Semester 2. **Classes:** On campus: 13 lectures and 2 hour tutorials (alternate weeks). **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 2076 OT Theory and Process II

4 credit points. B App Sc (OT), UG Study Abroad Program. Ms Robyn Twible. **Session:** 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 Across the Lifespan II

3 credit points. B App Sc (OT), UG Study Abroad Program. Ms Anne Hillman. **Session:** 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 occurring 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 2080 Components of Occ Performance IIA

5 credit points. B App Sc (OT), UG Study Abroad Program. Ms Kirsty Stewart. **Session:** Semester 1. **Classes:** On campus: 13 lectures & 13 x 2hrs tutorials. **Assessment:** Assignments.

This unit of 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 2081 Professional Practice II

3 credit points. B App Sc (OT), UG Study Abroad Program. **Session:** Semester 2. **Classes:** On campus lectures and tutorials/workshops. **Prerequisites:** OCCP 1094 Professional Practice I. **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 semesters 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT) Hons, UG Study Abroad Program. Dr David McConnell. **Session:** 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 OT Theory and Process III

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Ms Robyn Twible. **Session:** 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 3032 OT Theory and Process III

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Ms Robyn Twible. **Session:** 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

12 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Ms Nicola Hancock. **Session:** Semester 1. **Classes:** On campus briefing/debriefing tutorials. **Prerequisites:** OCCP2081 (or OCCP2078) Professional Practice II. **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.

OCCP 3064 Human Occupations III

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Dr Evelynnes. **Session:** 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

12 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Mr Justin Scanlon. **Session:** Semester 2, Semester 1. **Classes:** On campus: briefing and debriefing lectures & tutorials. **Prerequisites:** OCCP2081 (or OCCP2078) Professional Practice II. **Assessment:** Presentation and performance report.

This unit of study provides students with opportunities to demonstrate professional behaviours and 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.

OCCP 3066 Components of Occ Performance III

5 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program. Ms Judy Ranka. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT) Hons, UG Study Abroad Program. Dr David McConnell. **Session:** Semester 1. **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

24 credit points. B App Sc (OT), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Briefing/debriefing tutorials, 8 week clinical placement. **Prerequisites:** OC-

CP3061 Professional Practice IIIA, and OCCP3065 Professional Practice IIIB. **Assessment:** Fieldwork (Performance report, presentation and assignments) and 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 4055 Adolescent & Family Mental Health

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two workshops (Fri/Sat) and one day of presentations. **Assessment:** Journal and presentation.

This unit of study aims to extend the student's knowledge and skill in the area of adolescence and 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 in Learning & Co-ord Difficulties

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. Dr. Chris Chapparo. **Session:** Semester 1. **Classes:** 2x2 hours/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 Kil-lara.

OCCP 4057 Upper Limb / Hand Therapy

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Ms Judy Ranka. **Session:** 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Mr Philip Chan. **Session:** Semester 1. **Classes:** 4 hours/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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Ms. Ruth Beltran. **Session:** Semester 1. **Classes:** 5 hours/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 & Communication

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Maureen Fitzgerald. **Session:** 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Ms Robyn Twible. **Session:** Semester 1. **Classes:** 2 hours/week. **Assessment:** Various. Many western trained therapists entering community practice (whether in developing countries 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Michelle Donnelly and Dr Maureen Fitzgerald. **Session:** 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/Protecting Children

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. **Session:** 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 will be considered and how students balance the needs of the family, the community, the various systems and their work will be explored.

Textbooks

Details provided on enrolment.

OCCP 4066 The Use of Creative Arts in OT

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. **Session:** 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 stu-

dents 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

Details will be provided on enrolment.

OCCP 4068 OT in Occ Health, Safety & Rehab

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Ev Innes, Dr Kate O' Loughlin. **Session:** Semester 1. **Classes:** On campus lectures/tutorials. **Prerequisites:** OCCP3064 Human Occupations III. **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 OCCP3064 Human Occupations III 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (MRS) Rad Thpy Hons, B App Sc (OT) Hons, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Various. **Session:** Semester 1, Semester 2. **Classes:** Independent learning. **Assumed Knowledge:** BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research; OR BACH1139 Health and Research Design: General and BACH1141 Analysing Health Research : General; OR equivalent. **Assessment:** Assignment (2000 words) 100%.

NB: Department permission required for enrolment. For Occupation and Leisure Sciences 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.

OCCP 4071 Professional Practice IV (Hons)

20 credit points. B App Sc (OT) Hons, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus briefing and debriefing tutorials. **Prerequisites:** OCCP3061 Professional Practice IIIA, and OCCP3065 Professional Practice IIIB. **Assessment:** Performance report, presentation, assignments.

This unit of study has one 6 week block placement in a professional setting plus briefings and debriefings to facilitate the integration of on- and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, the knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

OCCP 4072 Honours Thesis

24 credit points. B App Sc (OT) Hons, UG Study Abroad Program. Dr. David McConnell. **Session:** Semester 2. **Classes:** Independent learning. **Assessment:** Thesis 100%. 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 4075 Mental Health Interventions

8 credit points. B App Sc (OT), B Hlth Sc (OT). Ms Nicola Hancock and Mr Justin Scanlon. **Session:** Semester 1. **Classes:** Equivalent of 4 hours per week. **Prerequisites:** OCCP 1091 Components of Occ Performance IA; OCCP2044 Components of Occ Performance IIB; OCCP3066 Components of Occ Performance III. **Assessment:** Viva examination plus other assessment consistent with the University and Faculty workload guidelines.

This unit of study will extend the students knowledge and practical intervention skills in mental health clinical practice. Intervention skills and strategies developed will be both generic and occupational therapy specific. There will be a large experiential learning component so that students will develop a practical "how - to" confidence in the clinical application of various techniques with particular consumer populations. In line with current State and National directions,

this unit will be guided by principles of wellness and recovery. A range of cognitive focussed interventions, psycho-education, family interventions, early intervention, mental health promotion, relapse prevention, and strategies to develop effective individual rehabilitation plans are some of the techniques and skills students will develop and practice within this unit.

OCCP 4076 Technology for Living

8 credit points. B App Sc (OT), B Hlth Sc (OT). Dr Graeme Smith and Ms Lynda Hutchinson. **Session:** Semester 1. **Classes:** 4 hours per week involving lectures, workshops and visits. **Assessment:** Two written assignments plus a number of audit tasks.

NB: Internet activity is required as part of this course.

This course evaluates various conceptual frameworks that can aid our understanding of the application of this assistive technology. It also examines various assessment tools that are currently in use in different parts of the world. A thorough study of recent literature and research on the application of modern technology will be a key part of the course.

Practical aspects of the course will include demonstrations and hands-on use of modern assistive technologies. Visits will also be undertaken to key assistive technology centres in Sydney.

Both theoretical and practical aspects of the course will come together in a series of case studies, drawn from the real experiences of people with a disability.

Textbooks

No compulsory texts. A selection of journal articles will be made available in Electronic Reserve. Students will be directed to other reference material and research reports available online.

OCCP 4077 Professional Elective - General

8 credit points. B App Sc (OT), B Hlth Sc (OT). **Session:** Semester 1. **Classes:** The mode of delivery will vary depending on the topic. **Assessment:** Two to three pieces of assessment equivalent to 8 credit points.

This unit of study will present a topic for a professional elective that allows students to explore an area of OT practice in depth. The specific topic will be determined from time to time as teaching staff, visiting scholars and resources are available. The unit will extend the learning students have achieved in the topic in the first three years of the course requiring an increase in the depth of student understanding in the topic area than that required in earlier parts of the course.

14. School of Physiotherapy

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 Entry Level Physiotherapy 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 and other materials is addressed in the curriculum. Reference to specific competencies is made in statements of unit aims and objectives in student manuals and other materials. The course is accredited with the Australian Council of Physiotherapy Regulating Authorities.

The School has a strong commitment to achieving quality in all areas of endeavour. To achieve this goal the School has used 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, such as 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's 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.

The School offers seven graduate coursework Master's programs for students who hold a physiotherapy qualification at bachelor's 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

also offers research programs at Master's and Doctoral levels. In addition, the School offers a Graduate Physiotherapy Program for students who hold a bachelor's degree in a related discipline such as Human Movement. More information on this two year Master's level program can be found in the School of Physiotherapy chapter in the Postgraduate section of this Handbook.

Enquiries regarding undergraduate courses should be directed to the following:

Academic Program Administrator: Ms Trish Fennessy,
phone+61 2 9351 9378

Undergraduate (Pass) Course Coordinator: Ms Vicki Williams,
phone+61 2 9351 9541

Undergraduate (Honours) Program Coordinator: Dr Sharon Kilbreath,
phone+61 2 9351 9272

Enquiries regarding postgraduate courses should be directed to the following:

Academic Program Administrator: Ms Trish Fennessy,
phone+61 2 9351 9378

Postgraduate Coursework Programs Coordinator: Associate Professor Jack Crosbie, phone +61 2 93 51 9180 or Dr Leslie Nicholson, phone +612 93519369

Research Masters Program and PhD Program Coordinator: Professor Joy Higgs, phone +61 2 9351 9070

Graduate Physiotherapy Program Coordinator: Dr Jane Latimer,
phone+61 2 9351 9191

Bachelor of Applied Science (Physiotherapy)

The current undergraduate programs require four years of full-time study. 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 (e.g. 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 website (<http://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 outline

The course outlines for the Bachelor of Applied Science (Physiotherapy) Pass and Honours programs are presented in Tables 14.1, 14.1.1, 14.2 and 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 year 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 and Table 14.2.1 for the Honours Program course outlines.

For further information specific to the Physiotherapy Honours Program, students are advised to contact the School's Honours Program Coordinator, Dr Sharon Kilbreath, telephone +61 2 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: PHTY4084 Evidence- Based Practice, Elective PHTY4070;

Clinical education: PHTY4075 Clinical Education IVA, PHTY4076 Clinical Education IVB, PHTY4073 Clinical Education IVC, PHTY4074 Clinical Education IVD;

Additional units: PHTY4108 Honours Research Seminar, PHTY4090 Honours Thesis.

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.

Table 14.1: Bachelor of Applied Science (Physiotherapy) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH090: Pass course; full-time, 4 years					
Year 4 (last offered in 2006)					
Semester 1					
PHTY 4066	Clinical Education IVA	9	P PHTY3049 Clinical Education III (except Singapore courses). Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4067 Clinical Education IVB, PHTY4073 Clinical Education IVC, and PHTY4074 Clinical Education IVD.		Semester 1
PHTY 4067	Clinical Education IVB	9	P PHTY3049 Clinical Education III (except Singapore courses). Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, PHTY4073 Clinical Education IVC, and PHTY4074 Clinical Education IVD.		Semester 1
PHTY 4073	Clinical Education IVC	9	P PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY 4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB(or PHTY 4088 Clinical Education IVHB), PHTY4074 Clinical Education IVD.		Semester 1
Semester 1 total: 27 credit points					
Semester 2					
PHTY 4070	Elective	2			Semester 1, Semester 2
PHTY 4071	Advanced Manipulation Skills	1	P PHTY3060 Musculoskeletal Physiotherapy IIIA and PHTY 3061 Musculoskeletal Physiotherapy IIIB (except Singapore courses).		Semester 2
PHTY 4074	Clinical Education IVD	9	P PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB (or PHTY4088 Clinical Education IVHB), PHTY4073 Clinical Education IVC.		Semester 2
PHTY 4084	Evidence Based Practice	4	P BACH1143 Designing Health Research C BACH1145 Quantitative Health & Social Research or BACH1147 Qualitative Health & Social Research.		Semester 2
PHTY 4085	Complex Cases	3	P PHTY3029 Cardiopulmonary Physiotherapy II; PHTY3050 Exercise Management in Health & Disease; PHTY 3058 Paediatrics I; PHTY 3059 Paediatrics II; PHTY 3060 Musculoskeletal Physiotherapy IIIA; PHTY 3061 Musculoskeletal Physiotherapy IIIB; PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.		Semester 2
PHTY 4086	Neurological Physiotherapy II	2	P PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.		Semester 2
Semester 2 total: 21 credit points					

Table 14.1.1: Bachelor of Applied Science (Physiotherapy) Honours

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH092: Honours program; full-time, 4 years					
Year 4 (last offered in 2006)					
Semester 1					
PHTY 4073	Clinical Education IVC	9	P PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY 4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB(or PHTY 4088 Clinical Education IVHB), PHTY4074 Clinical Education IVD.		Semester 1
PHTY 4087	Clinical Education IVHA	7	P PHTY3049 Clinical Education III. Students who fail PHTY 3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4088 Clinical Education IVHB, PHTY4073 Clinical Education IVC, PHTY4074 Clinical Education IVD.		Semester 1
PHTY 4088	Clinical Education IVHB	7	P PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4087 Clinical Education IVHA, PHTY4073 Clinical Education IVC, PHTY4074 Clinical Education IVD.		Semester 1
Semester 1 total: 23 credit points					
Semester 2					
PHTY 4071	Advanced Manipulation Skills		P PHTY3060 Musculoskeletal Physiotherapy IIIA and PHTY 3061 Musculoskeletal Physiotherapy IIIB (except Singapore courses).		Semester 2
PHTY 4074	Clinical Education IVD	9	P PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB (or PHTY4088 Clinical Education IVHB), PHTY4073 Clinical Education IVC.		Semester 2
PHTY 4085	Complex Cases	3	P PHTY3029 Cardiopulmonary Physiotherapy II; PHTY3050 Exercise Management in Health & Disease; PHTY 3058 Paediatrics I; PHTY 3059 Paediatrics II; PHTY 3060 Musculoskeletal Physiotherapy IIIA; PHTY 3061 Musculoskeletal Physiotherapy IIIB; PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.		Semester 2
PHTY 4086	Neurological Physiotherapy II	2	P PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.		Semester 2
PHTY 4090	Honours Thesis	12			Semester 2
PHTY 4108	Honours Research Seminar	4	C PHTY4090 Honours Thesis		Semester 2
Semester 2 total: 31 credit points					

Table 14.2: Bachelor of Applied Science (Physiotherapy) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SH095: Pass course; full-time, 4 years					
YearI					
Semester 1					
BACH 1132	Foundations of Health Psychology	3			Semester 1, Semester 2
BACH 1143	Designing Health Research	3			Semester 1, Semester 2
BIOS 1130	Molecules and Energy	4	A Basic chemistry		Semester 1
BIOS 1136	Functional Anatomy A	4			Semester 1, Semester 2
BIOS 1137	Introductory Neuroscience	3			Semester 1
EXSS 1026	Biomechanics A	3			Semester 1
PHTY 1021	Motor Performance and Learning	4	C BACH1132 Foundations of Health Psychology.		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BACH 1130	Foundations of Health Sociology	3			Semester 2, Semester 1
BACH 1145	Quantitative Health and Social Research	3	A Basic mathematics		Semester 2, Semester 1
or					

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Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
BACH 1147	Qualitative Health and Social Research	3			Semester 1, Semester 2
and					
BIOS 1133	Body Systems: Structure & Function I	3	A BIOS 1130 Molecules and Energy or CHEM1101 Chemistry IA		Semester 2
BIOS 1144	Functional Anatomy B (Physiotherapy)	5	A BIOS 1136 Functional Anatomy A		Semester 2
BIOS 2103	Neurosciences for Physiotherapists	3	P BIOS 1137 Introductory Neuroscience		Semester 2
EXSS 1027	Biomechanics B	3	A BIOS 1136 Functional Anatomy A and EXSS 1026 Biomechanics A		Semester 2
EXSS 1028	Muscle Mechanics	4	A BIOS 1137 Introductory Neuroscience		Semester 2
Semester 2 total: 24 credit points					
Year 2					
Semester 1					
BACH 2126	Maladaptive Behaviours/Behaviour Change	4	A BACH1 132 Foundations of Health Psychology, or BACH1 133 Introduction to Health Psychology, or equivalent.		Semester 1, Semester 2
BIOS 2099	Body Systems II and Pharmacology	4	A BIOS 1130 Molecules and Energy		Semester 1
EXSS 2024	Applied Physiology	5	P BIOS 1133 Body Systems: Structure and Function I		Semester 1
PHTY 2045	Evidence Based Physiotherapy	3	P BACH1 143 Designing Health Research C BACH1 145 Quantitative Health & Social Research or BACH1 147 Qualitative Health & Social Research; PHTY 2047 Clinical Observation and Measurement; PHTY 2046 Professional Practice.		Semester 1
PHTY 2046	Professional Practice	4	P BACH1 132 Foundations of Health Psychology, BACH1 130 Foundations of Health Sociology. C PHTY 2045 Evidence Based Practice; PHTY2047 Clinical Observation and Measurement.		Semester 1
PHTY 2047	Clinical Observation and Measurement	4	P BIOS1136 Functional Anatomy A; BIOS1144 Functional Anatomy B (Physiotherapy); EXSS1026 Bio-mechanics A; EXSS 1027 Biomechanics B. C PHTY 2045 Evidence Based Practice; PHTY2046 Professional Practice.		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
PHTY 2048	Cardiopulmonary Physiotherapy A	4	P BIOS 1133 Body Systems: Structure and Function I. C BIOS2099 Body Systems II and Pharmacology.		Semester 2
PHTY 2049	Neurological Physiotherapy A	6	P BIOS2103 Neuroscience for Physiotherapists; PHTY 1021 Motor Performance and Learning. C PHTY2047 Clinical Observation and Measurement; EXSS 1028 Muscle Mechanics; PHTY2045 Evidence Based Physiotherapy		Semester 2
PHTY 2050	Musculoskeletal Physiotherapy A	8	P BIOS 1136 Functional Anatomy A; BIOS 1144 Functional Anatomy B for Physiotherapists C PHTY2047 Clinical Observation and Measurement; EXSS 1028 Muscle Mechanics; PHTY2045 Evidence Based Physiotherapy; PHTY2051 Musculoskeletal Physiotherapy B.		Semester 2
PHTY 2051	Musculoskeletal Physiotherapy B	6	P BIOS 1136 Functional Anatomy A; BIOS 1144 Functional Anatomy B for Physiotherapists. C EXSS 1028 Muscle Mechanics; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2047 Clinical Observation and Measurement; PHTY2045 Evidence Based Physiotherapy.		Semester 2
Semester 2 total: 24 credit points					
Year 3 (first offered in 2006)					
Semester 1					
PHTY 3051	Cardiopulmonary Physiotherapy B	6	P PHTY2048 Cardiopulmonary Physiotherapy A, EXSS2024 Applied Physiology.		Semester 1
PHTY 3052	Neurological Physiotherapy B	4	P PHTY2049 Neurological Physiotherapy A		Semester 1
PHTY 3053	Musculoskeletal Physiotherapy C	8	P PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B. C PHTY3054 Musculoskeletal Physiotherapy D.		Semester 1
PHTY 3054	Musculoskeletal Physiotherapy D	6	P PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B. C PHTY3053 Musculoskeletal Physiotherapy C.		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
PHTY 3055	Physiotherapy Practicum A	8	P PHTY 2046 Professional Practice; PHTY 2047 Clinical Observation and Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D		Semester 2
PHTY 3056	Physiotherapy Practicum B	8	P PHTY 2046 Professional Practice; PHTY 2047 Clinical Observation and Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal Physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D		Semester 2

<i>Unit</i>	<i>of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PHTY 3057	Physiotherapy Practicum C	8	P PHTY2046 Professional Practice; PHTY 2047 Clinical Observation & Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal Physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D.	Semester 2
<i>Semester 2 total: 24 credit points</i>				
Year 4 (first offered in 2007)				
Semester 1				
PHTY 4092	Musculoskeletal Physiotherapy E		NB: *** No info available for 2006. ***	
PHTY 4093	Cardiopulmonary & Neurological Physio		NB: *** No info available for 2006. ***	
PHTY 4094	Physiotherapy Practicum D		NB: *** No info available for 2006. ***	
PHTY 4095	Physiotherapy Practicum E		NB: *** No info available for 2006. ***	
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
PHTY 4096	Physiotherapy in Childhood		NB: *** No info available for 2006. ***	
PHTY 4097	Physiotherapy in the Workplace		NB: *** No info available for 2006. ***	
PHTY 4098	Physiotherapy in Recreation		NB: *** No info available for 2006. ***	
PHTY 4099	Physiotherapy in the Community		NB: *** No info available for 2006. ***	
PHTY 4100	Physiotherapy for Older People		NB: *** No info available for 2006. ***	
Elective Studies 4				
<i>Semester 2 total: 24 credit points</i>				

Table 14.2.1: Bachelor of Applied Science (Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Honours course; full-time, 4 years			
Years 1,2 and 3			
As per Pass course			
Year 4 (first offered in 2007)			
Semester 1			
PHTY 4092	Musculoskeletal Physiotherapy E	NB: *** No info available for 2006. ***	
PHTY 4093	Cardiopulmonary & Neurological Physio	NB: *** No info available for 2006. ***	
PHTY 4094	Physiotherapy Practicum D	NB: *** No info available for 2006. ***	
PHTY 4095	Physiotherapy Practicum E	NB: *** No info available for 2006. ***	
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
Select four from the following five:			
PHTY 4096	Physiotherapy in Childhood	NB: *** No info available for 2006. ***	
PHTY 4097	Physiotherapy in the Workplace	NB: *** No info available for 2006. ***	
PHTY 4098	Physiotherapy in Recreation	NB: *** No info available for 2006. ***	
PHTY 4099	Physiotherapy in the Community	NB: *** No info available for 2006. ***	
PHTY 4100	Physiotherapy for Older People	NB: *** No info available for 2006. ***	
and			

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
PHTY 4101 Honours Research Dissertation			NB: *** No info available for 2006. ***				
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 immunisation 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.

Clinical practice dates

Year 2

In semester 1 of year 2, students will be assigned to clinical sites in the metropolitan region in order to undertake structured learning tasks related to 3 of their academic subjects in Clinical Observation and Measurement, Professional Practice and Evidence-Based Practice. This will be called a Mentored Clinical Placement. Attendance at the assigned clinical site will be compulsory for one day per week over 7 weeks (commencing approximately mid semester).

Year 3

24 July to 25 August
4 September to 6 October
16 October to 17 November

Year 4 Pass/Honours

23 January to 24 February or 30 January to 3 March
6 March to 7 April
17 April to 19 May
29 May to 30 June

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 1130 Foundations of Health Sociology

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B B Hlth Sc (Hons), B. Mr Ian Andrews, Ms Ann Hale. **Session:** Semester 2, Semester 1. **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 1132 Foundations of Health Psychology

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc (Hearing&Speech), B O. Ms Karen Pepper. **Session:** Semester 1, 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 1143 Designing Health Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Ins. Dr. Zakia Hossain, Dr. Rob Heard. **Session:** Semester 1, 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 develop skills in a selection of interview, survey, observational and epidemiological research designs. Database and literature review techniques will be introduced as well as issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Quantitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (R. Ms Karen Pepper. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MCQ 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. 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 Qualitative Health and Social Research

3 credit points. B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Toni Schofield. **Session:** Semester 1, 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/Behaviour Change

4 credit points. B App Sc (Leis&Hlth), B App Sc (OT) Hons, B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (OT) Hons, B App Sc (Phy), B App Sc (Phy) Hons, B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Health Sciences UG Non-Award. Dr Mairwen Jones. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH1132 Foundations of Health Psychology, or BACH 1133 Introduction to Health Psychology, or equivalent. **Assessment:** 25 minute small group (2-3 people) class presentation (problem and treatment) - 40%; MCQ/SAQ/Essay exam (2 hours) - 60%.

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.

BIOS 1130 Molecules and Energy

4 credit points. B App Sc (Ex & Sp Sc), B App Sc (Phy), B App Sc (Phy), Misc, UG Study Abroad Program. Dr Laurette Bateman. **Session:** 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. Bettelheim, 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 & Function I

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M.N. B App Sc (Phy), B App Sc (Phy), Misc, UG Study Abroad Program. Dr Ann Murphy. **Session:** Semester 2. **Classes:** On campus, 33 hours. **Assumed Knowledge:** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA. **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 1136 Functional Anatomy A

4 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), Cross Institutional Enrolment, Health Sciences PG Non Award, Health Sciences UG Non-Award, Misc, UG Study Abroad Pro. Dr Karen Ginn. **Session:** Semester 1, 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 1137 Introductory Neuroscience

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M.N. B App Sc (Phy), B App Sc (Phy), B Hlth Sc, Cross Institutional Enrolment, Health Sciences UG Non-Award, UG Study Abroad Program. Dr Alan Freeman. **Session:** 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 (Physiotherapy)

5 credit points. B App Sc (Phy), UG Study Abroad Program. Dr. Catherine Willis. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1136 Functional Anatomy A. **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 II and Pharmacology

4 credit points. B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Patricia Woodman. **Session:** Semester 1. **Assumed Knowledge:** BIOS1130 Molecules and Energy. **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

3 credit points. B App Sc (Phy), B App Sc (Phy), B Hlth Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Dr John Burne. **Session:** Semester 2. **Classes:** On campus 30 hours. **Prerequisites:** BIOS 1137 Introductory Neuroscience. **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 intro-

duced. 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

3 credit points. B App Sc (Phy), UG Study Abroad Program. **Session:** 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

3 credit points. B App Sc (Phy), UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** BIOS1136 Functional Anatomy A and EXSS1026 Biomechanics A. **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

4 credit points. B App Sc (Phy), UG Study Abroad Program. Mr. Tom Gwinn. **Session:** Semester 2. **Assumed Knowledge:** BIOS 1137 Introductory Neuroscience. **Assessment:** Mid semester examination (25%) and end of semester examination (75%).

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 2024 Applied Physiology

5 credit points. B App Sc (Phy), UG Study Abroad Program. Dr Chin Moi Chow. **Session:** Semester 1. **Prerequisites:** BIOS 1133 Body Systems: Structure and Function I. **Assessment:** Mid-semester examination (20%) and end of semester examination (80%).

The aim of this unit is to provide students with a broad understanding of the physiological responses and adaptations to physical activity and inactivity. The unit has a primary focus on the application of exercise as both a treatment modality and a tool in rehabilitation. The unit describes the basic metabolic, cardiovascular, respiratory, thermoregulatory and endocrine responses and adaptations to exercise training in healthy, asymptomatic individuals (children, adults and the elderly). The normal exercise response is compared with that in health disorders such as diabetes, arthritis, and heart and lung disease. Particular attention is given to exercise testing and the application of exercise training in clinical practice.

PHTY 1021 Motor Performance and Learning

4 credit points. B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program. Dr Roger Adams. **Session:** Semester 1. **Classes:** On campus, 38 hours. **Corequisites:** BACH1132 Foundations of Health Psychology..

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

Macgill R (2004) (7th ed). Motor Learning and Control: Concepts and Applications. McGraw-Hill: New York

PHTY 2045 Evidence Based Physiotherapy

3 credit points. B App Sc (Phy), UG Study Abroad Program. Dr. Robert Herbert. **Session:** Semester 1. **Prerequisites:** BACH1143 Designing Health Research. **Corequisites:** BACH1145 Quantitative Health & Social Research or BACH 1147 Qualitative Health & Social Research; PHTY 2047 Clinical Observation and Measurement; PHTY 2046 Professional Practice..

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

Herbert R, Jamtvedt G, Hagen KB (2005). Practical Evidence-Based Physiotherapy. Oxford: Elsevier

PHTY 2046 Professional Practice

4 credit points. B App Sc (Phy), UG Study Abroad Program. Ms Vicki Williams. **Session:** Semester 1. **Prerequisites:** BACH1132 Foundations of Health Psychology, BACH1130 Foundations of Health Sociology. **Corequisites:** PHTY 2045 Evidence Based Practice; PHTY2047 Clinical Observation and Measurement.. **Assessment:** Written assignment and end of semester written examination.

This unit introduces the students to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the Australian Physiotherapy Association Professional Code of Conduct and learn to apply this code in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will include interviewing and the principles and process of professional documentation. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format. Students will examine the impact of legislation and health policy on service delivery within health care in Australia and the distribution of funding for preventive, palliative and curative care. In addition, students will be assigned to clinical units in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook of their experiences which will form part of the assessment of the mentored clinical placement.

Textbooks

Higgs J, Sefton A, Street A, McAllister L, Hay I (2005). Communicating in the Health and Social Sciences. Oxford University Press: Melbourne.

PHTY 2047 Clinical Observation and Measurement

4 credit points. B App Sc (Phy), UG Study Abroad Program. Ms Angela Stark. **Session:** Semester 1. **Prerequisites:** BIOS 1136 Functional Anatomy A; BIOS 1144 Functional Anatomy B (Physiotherapy); EXSS1026 Biomechanics A; EXSS1027 Biomechanics B. **Corequisites:** PHTY 2045 Evidence Based Practice; PHTY2046 Professional Practice.. **Assessment:** Written assignment (20%), written end of semester examination (50%), practical/viva examination (30%).

This unit examines the observation and measurement of normal movement using methods that are suitable for clinical application. The importance of measurement is emphasised and the validity and reliability of different procedures are studied. There are three modules, the first being "impairment" which includes the measurement of a range of common impairments such as weakness, pain and decreased range of movement. The second module is "activity" and it involves observation and description of everyday activities such as standing up, walking and reaching. The mechanics associated with these every day activities will be covered in lectures to provide a background for structuring observation. The third module is "participation" and this covers types of measures designed to determine the impact of impairments on level of participation. Each module considers the development and change in impairments and activities over the lifespan. The principles and practice of manual handling, including lifting and transfers, will be covered in the context of each tutorial. In addition, students will be assigned to clinical sites in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook which will form part of the written assessment of the mentored clinical placement.

PHTY 2048 Cardiopulmonary Physiotherapy A

4 credit points. B App Sc (Phy), UG Study Abroad Program. Ms Bredge McCarren, Ms Nia Luxton. **Session:** Semester 2. **Prerequisites:** BIOS 1133 Body Systems: Structure and Function I. **Corequisites:** BIOS2099 Body Systems II and Pharmacology.. **Assessment:** Mid semester practical examination, end of semester written examination. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory dysfunction. In particular, students will evaluate the pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge gained through the foundation sciences and preclinical physiotherapy units of study.

PHTY 2049 Neurological Physiotherapy A

6 credit points. B App Sc (Phy), UG Study Abroad Program. Dr. Louise Ada. **Session:** Semester 2. **Prerequisites:** BIOS2103 Neuroscience for Physiotherapists; PHTY1021 Motor Performance and Learning. **Corequisites:** PHTY2047 Clinical Observation and Measurement; EXSS1028 Muscle Mechanics; PHTY2045 Evidence Based Physiotherapy. **Assessment:** Mid semester practical examination (25%), end of semester written examination (40%), end of semester practical examination (35%). Neurological Physiotherapy aims to develop in students an ability to apply relevant theoretical and data-based scientific findings to clinical practice in the area of motor disability arising from disease and trauma to the nervous system. This unit introduces pathology, impairments, disability and handicap arising from conditions of acute onset, using examples such as stroke, traumatic brain injury, cerebral palsy and Guillain Barre syndrome. Impairments such as weakness, loss of dexterity, loss of sensation and spasticity as well as secondary adaptations to these impairments, such as the development of contracture, will be studied. Students will learn to assess, train and measure everyday activities such as sitting, standing up, 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 also addressed.

PHTY 2050 Musculoskeletal Physiotherapy A

8 credit points. B App Sc (Phy), UG Study Abroad Program. Ms Wendy Annable, Dr. Addienne Hunt. **Session:** Semester 2. **Prerequisites:** BIOS1136 Functional Anatomy A; BIOS 1144 Functional Anatomy B for Physiotherapists. **Corequisites:** PHTY2047 Clinical Observation and Measurement; EXSS1028 Muscle Mechanics; PHTY2045 Evidence Based Physiotherapy; PHTY2051 Musculoskeletal Physiotherapy B.. **Assessment:** Mid semester practical examination (15%), end of semester practical/viva examination (25%) and end of semester written examination (60%). The overall aim of this unit of study is to develop the skills required to assess, diagnose and manage simple musculoskeletal disorders of the lower extremity at a level appropriate to commence Physiotherapy Practicums. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence based practice, and safety. Interventions will include selected electrophysical agents, exercise prescription, taping, manual therapy and the prescription of walking aids. This unit of study complements Musculoskeletal Physiotherapy B and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity, and more complex musculoskeletal conditions.

PHTY 2051 Musculoskeletal Physiotherapy B

6 credit points. B App Sc (Phy), UG Study Abroad Program. A/Prof Chris Maher. **Session:** Semester 2. **Prerequisites:** BIOS 1136 Functional Anatomy A; BIOS 1144 Functional Anatomy B for Physiotherapists. **Corequisites:** EXSS1028 Muscle Mechanics; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2047 Clinical Observation and Measurement; PHTY2045 Evidence Based Physiotherapy.. **Assessment:** Practical skill assessment; end of semester written examination. The overall aim of this unit of study is to develop the skills required for primary care management of low back, hip and pelvic pain at a level to commence musculoskeletal practicum. Students learn to "triage" patients to distinguish patients with non-specific pain from those suspected from 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 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 back, hip and pelvic pain. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement in-

terventions based on clinical reasoning, principles of evidence based practice, and safety. This unit of study complements Musculoskeletal Physiotherapy A and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity, and more complex musculoskeletal conditions.

PHTY 3051 Cardiopulmonary Physiotherapy B

6 credit points. B App Sc (Phy). Dr Lyndal Maxwell./Dr Jenny Alison. **Session:** Semester 1. **Prerequisites:** PHTY2048 Cardiopulmonary Physiotherapy A, EXSS2024 Applied Physiology. **Assessment:** Mid semester presentation; written assignment; end of semester written examination. The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective treatment of patients across the age spectrum with acute and chronic cardiac dysfunction. This unit will develop the student's knowledge of exercise, and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise and to other special populations. In addition students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non intubated patients.

PHTY 3052 Neurological Physiotherapy B

4 credit points. B App Sc (Phy). Dr Colleen Canning. **Session:** Semester 1. **Prerequisites:** PHTY2049 Neurological Physiotherapy A. **Assessment:** End of semester practical assessment; end of semester written examination. This unit consists of two modules. The first module introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset which do not recover and require adaptation such as spinal cord injury and spina bifida. Impairments such as spasm, overactive cutaneous reflexes, skin breakdown, as well as adaptations to these impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess, train and measure outcome of everyday activities for these populations such as mobility via aided gait or wheelchair, and hand function using a tenodesis grasp. The second module examines the pathology, impairments, activity limitations and participation restrictions arising from degenerative conditions which require adaptation such as Parkinsonism, multiple sclerosis, motor neuron disease and muscular dystrophy. Impairments such as bradykinesia, dyskinesia, rigidity, tremor, fatigue as well as adaptations to these impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess and train or prescribe appropriate aids to enable activities such as rolling over and prescribe appropriate aids to enable sitting, mobility, transferring and reaching and manipulating objects to be carried out.

PHTY 3053 Musculoskeletal Physiotherapy C

8 credit points. B App Sc (Phy). Mr. Mark Hancock/Ms.Joanne Munn. **Session:** Semester 1. **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B. **Corequisites:** PHTY3054 Musculoskeletal Physiotherapy D.. **Assessment:** Mid semester practical skill assessment; end of semester practical skill assessment; end of semester written examination. The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions with a focus on the upper extremity. The unit will cover selected musculoskeletal conditions of the upper extremity including fractures, surgery and soft tissue injury. Students will develop their existing ability to select and implement physiotherapy interventions based on principles of clinical reasoning, evidence based practice and safety for the management of such conditions. Interventions will include exercise prescription, manual therapy, selected electrophysical agents and advice. This unit of study integrates knowledge from earlier foundation science and physiotherapy subjects (particularly Musculoskeletal Physiotherapy A and Musculoskeletal Physiotherapy B). This unit will complement Musculoskeletal Physiotherapy D and contribute to the foundations of Musculoskeletal Physiotherapy E which integrates Musculoskeletal Physiotherapy A, B, C and D to further develop skills in the management of more complex musculoskeletal conditions.

PHTY 3054 Musculoskeletal Physiotherapy D

6 credit points. B App Sc (Phy). Mr Andrew Leaver/ Dr Alison Harmer. **Session:** Semester 1. **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B. **Corequisites:** PHTY3053 Musculoskeletal Physiotherapy C. **Assessment:** Mid semester practical assessment; end of semester written examination.

The aim of this unit of study is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions, with a focus on management of the cervical and thoracic spine and management of chronic musculoskeletal pain. This unit also covers assessment and management of peripheral nerve injuries and rheumatological conditions. This unit will focus on further development of clinical reasoning in relation to more complex musculoskeletal problems. Students will also evaluate the relevant literature and draw implications for clinical practice.

PHTY 3055 Physiotherapy Practicum A

8 credit points. B App Sc (Phty). Dr. Catherine Dean. **Session:** Semester 2. **Prerequisites:** PHTY 2046 Professional Practice; PHTY 2047 Clinical Observation and Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal Physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organizational skills and professionalism.

This unit of study involves clinical placements in one of the following areas: Rehabilitation, Acute Care, Ambulatory/Outpatients, Community Health, and an Elective unit such as Pediatrics, Private Practice, Burns or Hand Therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition at least one of the placements will be in a rural setting.

PHTY 3056 Physiotherapy Practicum B

8 credit points. B App Sc (Phty). Dr. Catherine Dean. **Session:** Semester 2. **Prerequisites:** PHTY 2046 Professional Practice; PHTY 2047 Clinical Observation and Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal Physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organizational skills and professionalism.

This unit of study involves clinical placements in one of the following areas: Rehabilitation, Acute Care, Ambulatory/Outpatients, Community Health, and an Elective unit such as Pediatrics, Private Practice, Burns or Hand Therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition at least one of the placements will be in a rural setting.

PHTY 3057 Physiotherapy Practicum C

8 credit points. B App Sc (Phty). Dr. Catherine Dean. **Session:** Semester 2. **Prerequisites:** PHTY2046 Professional Practice; PHTY 2047 Clinical Observation & Measurement; PHTY2048 Cardiopulmonary Physiotherapy A; PHTY3051 Cardiopulmonary Physiotherapy B; PHTY2049 Neurological Physiotherapy A; PHTY3052 Neurological Physiotherapy B; PHTY2050 Musculoskeletal Physiotherapy A; PHTY2051 Musculoskeletal Physiotherapy B; PHTY3053 Musculoskeletal Physiotherapy C; PHTY3054 Musculoskeletal Physiotherapy D. **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organizational skills and professionalism.

This unit of study involves clinical placements in one of the following areas: Rehabilitation, Acute Care, Ambulatory/Outpatients, Community Health, and an Elective unit such as Pediatrics, Private Practice, Burns or Hand Therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy Practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition at least one of the placements will be in a rural setting.

PHTY 4066 Clinical Education IVA

9 credit points. B App Sc (Phty), UG Study Abroad Program. Dr Catherine Dean. **Session:** Semester 1. **Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III (except Singapore courses). Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4067 Clinical Education IVB, PHTY4073 Clinical Education IVC, and PHTY4074 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. Fur-

ther 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

9 credit points. B App Sc (Phty), UG Study Abroad Program. Dr. Catherine Dean. **Session:** Semester 1. **Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III (except Singapore courses). Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, PHTY4073 Clinical Education IVC, and PHTY4074 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 4070 Elective

2 credit points. B App Sc (Phty), UG Study Abroad Program. Dr Colleen Canning. **Session:** Semester 1, Semester 2. **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 the Clinical Education syllabus. Students must have completed PHTY3049 Clinical Education III before taking an elective offered by the School of Physiotherapy.

PHTY 4071 Advanced Manipulation Skills

1 credit point. B App Sc (Phty), B App Sc (Phty) Hons, B App Sc (Phty) Hons, UG Study Abroad Program. Mr. Andrew Leaver. **Session:** Semester 2. **Classes:** 16 hours. **Prerequisites:** PHTY3060 Musculoskeletal Physiotherapy IIIA and PHTY 3061 Musculoskeletal Physiotherapy IIIB (except Singapore courses).

This unit aims to further advance students' 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-Heinemann

PHTY 4073 Clinical Education IVC

9 credit points. B App Sc (Phty), B App Sc (Phty) Hons, B App Sc (Phty) Hons, UG Study Abroad Program. Dr Catherine Dean. **Session:** Semester 1. **Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY 4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB (or PHTY 4088 Clinical Education IVHB), PHTY4074 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 4074 Clinical Education IVD

9 credit points. B App Sc (Phty), B App Sc (Phty) Hons, B App Sc (Phty) Hons, UG Study Abroad Program. Dr. Catherine Dean. **Session:** Semester 2. **Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4066 Clinical Education IVA, (or PHTY4087 Clinical Education IVHA), PHTY4067 Clinical Education IVB (or PHTY4088 Clinical Education IVHB), PHTY4073 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. Some students may complete this unit in semester 1 because of placement availability.

PHTY 4084 Evidence Based Practice

4 credit points. B App Sc (Phy), UG Study Abroad Program. Dr Robert Herbert. **Session:** Semester 2. **Prerequisites:** BACH1143 Designing Health Research. **Corequisites:** BACH1145 Quantitative Health & Social Research or BACH1147 Qualitative Health & Social Research.

In this unit of study, students will learn how clinical research can guide clinical practice. Students will learn how to find and critically appraise research into diagnosis, prognosis and treatment of conditions treated by physiotherapists and how to apply that information to individual patients.

PHTY 4085 Complex Cases

3 credit points. B App Sc (Phy), B App Sc (Phy) Hons, UG Study Abroad Program. Dr. Lyndal Maxwell. **Session:** Semester 2. **Prerequisites:** PHTY3029 Cardiopulmonary Physiotherapy II; PHTY3050 Exercise Management in Health & Disease; PHTY 3058 Paediatrics I; PHTY 3059 Paediatrics II; PHTY 3060 Musculoskeletal Physiotherapy IIIA; PHTY 3061 Musculoskeletal Physiotherapy IIIB; PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.

This 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 through 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 additional information for the cases under discussion.

PHTY 4086 Neurological Physiotherapy II

2 credit points. B App Sc (Phy), B App Sc (Phy) Hons, UG Study Abroad Program. Dr. Colleen Canning. **Session:** Semester 2. **Prerequisites:** PHTY 3062 Neurological Physiotherapy IA; PHTY 3063 Neurological Physiotherapy IB.

This unit introduces the impairments and disability arising from long-term conditions of the nervous system, such as Guillain-Barre syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long-term conditions of the nervous system.

PHTY 4087 Clinical Education IVHA

7 credit points. B App Sc (Phy) Hons, UG Study Abroad Program. Dr. Catherine Dean. **Session:** Semester 1. **Classes:** 140 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III. Students who fail PHTY 3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4088 Clinical Education IVHB, PHTY4073 Clinical Education IVC, PHTY4074 Clinical Education IVD.

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 PHTY4066 Clinical Education IVA.

PHTY 4088 Clinical Education IVHB

7 credit points. B App Sc (Phy) Hons, UG Study Abroad Program. Dr Catherine Dean. **Session:** Semester 1. **Classes:** 140 hours off-campus plus occasional on-campus classes. **Prerequisites:** PHTY3049 Clinical Education III. Students who fail PHTY3029 Cardiopulmonary Physiotherapy II are precluded from undertaking the Cardiopulmonary and Neurology modules of this unit and the units: PHTY4087 Clinical Education IVHA, PHTY4073 Clinical Education IVC, PHTY4074 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. This unit is equivalent in content to PHTY4067 Clinical Education IVB.

PHTY 4090 Honours Thesis

12 credit points. B App Sc (Phy) Hons, UG Study Abroad Program. **Session:** Semester 2.

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. Each student will work closely with their supervisor whilst completing their project and thesis.

PHTY 4108 Honours Research Seminar

4 credit points. B App Sc (Phy) Hons, UG Study Abroad Program. Dr Debra Shirley. **Session:** Semester 2. **Corequisites:** PHTY4090 Honours Thesis.

This unit supports Honours students with their ongoing research. It will assist students to develop their oral presentation skills and the skills required to produce their thesis, including critical analysis skills and understanding of the research process.

15. Yooroang Garang: School of Indigenous Health Studies

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Yooroang Garang: School of Indigenous Health Studies was established in February 1999. The School's 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, including 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. Students are introduced to various disciplinary perspectives, including biomedical and behavioural sciences and health research, as well as social and historical perspectives on Indigenous health. 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 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, telephone +61 2 9351 9393.

Diploma of Health Science (Aboriginal Health and Community Development)

Not offered in 2006

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 residencies 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.

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 outline

The course outlines for the Bachelor of Health Science (Aboriginal Health and Community Development) Pass and Honours degrees are presented in Tables 15.1 and 15.1.1.

Honours program

For information specific to the Honours Program in Aboriginal Health and Community Development students are advised to contact the Course Coordinator in Yooroang Garang.

Table 15.1 Bachelor of Health Science (Aboriginal Health and Community Development) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code SH059: Pass course; full-time, 4 years, block attendance, plus off-campus				
Year1				
Semester 1				
AHCD 1028	Perspectives in Indigenous Health I	6		Semester 1
AHCD 1029	Communication Studies I	6		Semester 1
AHCD 1030	Primary Health Care I	6		Semester 1
BIOS 1076	Biological Sciences I	6		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
AHCD 1031	Community Development I	6		Semester 2
AHCD 1032	Introduction to Counselling Skills	6		Semester 2
AHCD 1035	Professional Practice I	6		Semester 1, Semester 2
AHCD 1036	Alcohol and Other Drugs I	6		Semester 2
Semester 2 total: 24 credit points				
Year 2				
Semester 1				
AHCD 2016	Community Development II	6	P AHCD 1031 Community Development I	Semester 1
AHCD 2020	Professional Practice II	6	P AHCD 1035 Professional Practice I	Semester 1
AHCD 2021	Alcohol and Other Drugs II	6	P AHCD 1036 Alcohol and Other Drugs I	Semester 1
BACH 2133	Health and Human Behaviour	6		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
AHCD 2013	Perspectives in Indigenous Health II	6	P AHCD 1028 Perspectives in Indigenous Health I	Semester 2
AHCD 2015	Primary Health Care II	6	P AHCD 1030 Primary Health Care I	Semester 2
AHCD 2022	Introduction to Health Research	6		Semester 2
BIOS 2090	Biological Sciences II	6	P BIOS 1076 Biological Sciences I	Semester 2
Semester 2 total: 24 credit points				
Year 3				
Semester 1				
AHCD 3015	Indigenous Health Research	6	P AHCD2022 Introduction to Health Research	Semester 1
Electives (see note below) {18}				
Semester 1 total: 24 credit points				
Semester 2				
AHCD 3008	Indigenous Community Health Project A	6		Semester 2
AHCD 3009	Professional Practice III	6	P AHCD2020 Professional Practice II	Semester 2
Electives (see note below) [6]				

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Research elective [6]		
Pass students will choose one Research elective in Year 3 selected from the Research stream (see list below).		
<i>Semester 2 total: 24 credit points</i>		
Year 4		
Semester 1		
AHCD 4001 Indigenous Community Health Project B	6 A Knowledge of project planning P AHCD3008 Indigenous Community Health Project A	Semester 1
Electives (see note below) [18]		
<i>Semester 1 total: 24 credit points</i>		
Semester 2		
AHCD 4002 Professional Practice IV	12 P AHCD3009 Professional Practice III	Semester 2
Electives (see note below) [12]		
<i>Semester 2 total: 24 credit points</i>		

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 also choose electives from other Schools to a maximum of 3 units of study.

**Table 15.1.1: Bachelor of Health Science
(Aboriginal Health and Community Development) Honours**

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SH060: 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 Indigenous Health Research	6 P AHCD2022 Introduction to Health Research	Semester 1
<i>Semester 1 total: 24 credit points</i>		
Semester 2		
AHCD 3009 Professional Practice III	6 P AHCD2020 Professional Practice II	Semester 2
AHCD 3016 Writing a Research Proposal	6 P AHCD2022 Introduction to Health Research	Semester 2
<i>Semester 2 total: 24 credit points</i>		
Year 4		
Semester 1		
AHCD 4052 Honours Workshop	6 A This unit is available only to students admitted to the honours program.	Semester 1
<i>Semester 1 total: 18 credit points</i>		
Semester 2		
AHCD 4054 Research Thesis	30	Semester 2
<i>Semester 2 total: 30 credit points</i>		

Notes

- Honours students will choose one Research elective in Year 3 and two Research electives in Year 4 from the Research stream (see list below).
- 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 Counselling Theory and Methods A	6 P AHCD 1032 Introduction to Counselling Skills	Semester 1
AHCD 3010 Counselling for Grief and Loss	6 P AHCD 1032 Introduction to Counselling Skills	Semester 1, Semester 2

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
AHCD 4011	Family Therapy	6	A AHCD 1032 Introduction to Counselling Skills (or equivalent).					Semester 1, Semester 2
AHCD 4020	Group Processes and Counselling	6						Semester 1, Semester 2
AHCD 4030	Issues in Indigenous Mental Health	6	P AHCD 1032 Introduction to Counselling Skills					Semester 1, Semester 2
AHCD 4040	Addictions Counselling	6	A AHCD 1032 Introduction to Counselling Skills (or equivalent)					Semester 1, Semester 2
AHCD 4041	Counselling With Art Therapy	6	P AHCD 1032 Introduction to Counselling Skills					Semester 1, Semester 2
AHCD 4042	Wellness	6	P AHCD 1032 Introduction to Counselling Skills					Semester 1, Semester 2
Indigenous Community Development and Management stream								
AHCD 4017	Community Development III	6	P AHCD2016 Community Development II					Semester 1, Semester 2
AHCD 4019	Community Development IV	6	P AHCD4017 Community Development III					Semester 2, Semester 1
AHCD 4026	Health Management Theory	6						Semester 1, Semester 2
AHCD 4031	Health Management Practice	6						Semester 1, Semester 2
AHCD 4032	Health Planning, Policy and Evaluation A	6						Semester 1, Semester 2
AHCD 4045	Indigenous Health Information Management	6						Semester 1, Semester 2
AHCD 4050	Health Planning, Policy and Evaluation B	6	P AHCD4032 Health Policy, Planning and Evaluation A					Semester 1, Semester 2
AHCD 4053	Human Rights and Social Justice	6						Semester 2, Semester 1
Indigenous Environmental Health and Housing stream								
AHCD 4024	Housing and Environmental Health	6						Semester 1, Semester 2
AHCD 4048	Issues in Housing & Environmental Hlth	6						Semester 1, Semester 2
AHCD 4051	Indigenous Health and Housing	6						Semester 1, Semester 2
Primary Health Care and Health Promotion stream								
AHCD 4010	Perspectives in Indigenous Health IV	6	P AHCD4033 Perspectives in Indigenous Health III					Semester 2, Semester 1
AHCD 4013	Nutrition and Lifestyle	6						Semester 1, Semester 2
AHCD 4014	Current Issues in Health, Law & Medicine	6						Semester 2
AHCD 4022	Indigenous Community Health Promotion B	6						Semester 1, Semester 2
AHCD 4023	Indigenous Community Health Promotion C	6						Semester 1, Semester 2
AHCD 4033	Perspectives in Indigenous Health III	6	P AHCD2013 Perspectives in Indigenous Health II					Semester 1, Semester 2
AHCD 4034	Indigenous Community Health Promotion A	6						Semester 1, Semester 2
AHCD 4035	Primary Health Care III	6	P AHCD2015 Primary Health Care II					Semester 1, Semester 2
AHCD 4036	Art & Media in Indigenous Hlth Promotion	6						Semester 2, Semester 1
AHCD 4046	Early Disease Intervention A	6						Semester 1, Semester 2
AHCD 4047	Early Disease Intervention B	6						Semester 2, Semester 1
AHCD 4049	Skills for Teaching Health	6						Semester 1, Semester 2
BIOS 3046	Biological Scinces III	6	P BIOS2090 Biological Sciences II					Semester 1, Semester 2
BIOS 3051	Biological Sciences IIIA	6	P BIOS 2090 Biological Sciences II					Semester 1

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Research stream		
AHCD 3016 Writing a Research Proposal	6 P AHCD2022 Introduction to Health Research	Semester 2
AHCD 4007 Epidemiology	6 P AHCD2022 Introduction to Health Research	Semester 1, Semester 2
AHCD 4016 Participant Observation and Ethnography	6 P AHCD2022 Introduction to Health Research	Semester 1, Semester 2
AHCD 4018 Action Research	6 P AHCD2022 Introduction to Health Research	Semester 1, Semester 2
AHCD 4038 Quantitative Research Methods	6 P AHCD2022 Introduction to Health Research	Semester 2, Semester 1
AHCD 4039 Oral History	6 P AHCD 2022 Introduction to Health Research	Semester 1, Semester 2
BACH 4052 Social Research	6	Semester 1, Semester 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 15.2.

Table 15.2: Aboriginal Health Science Support Program

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SM008: Part-time; 3 years		
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 Study Skills	4	Semester 2, Semester 1
AHCD 1007 Aboriginal Studies	1	Semester 2, Semester 1
AHCD 1009 Anatomy Support (A)	4	Semester 1, Semester 2
AHCD 1010 Anatomy Support (B)	2	Semester 2
AHCD 1011 Biological Sciences Orientation	2	Semester 2
AHCD 1012 Biological Sciences Support (A)	6	Semester 1, Semester 2
AHCD 1013 Biological Sciences Support (B)	3	Semester 1
AHCD 1014 Physics Support	6	Semester 1, Semester 2
AHCD 1015 Research Methods Support (1)	3	Semester 2
AHCD 1016 Professional Studies Support (1A)	2	Semester 2, Semester 1
AHCD 1017 Professional Studies Support (1B)	4	Semester 1, Semester 2
AHCD 1018 Biomechanics Support (1)	2	Semester 1, Semester 2
AHCD 1019 Neurobiology Support	3	Semester 1, Semester 2
AHCD 1020 Behavioural Sciences Support (A)	2	Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
AHCD 1021 Behavioural Sciences Support (B)	6						Semester 1, Semester 2
AHCD 1022 Mathematics Orientation	1						Semester 2
AHCD 1023 Mathematics Support (A)	1						Semester 2, Semester 1
AHCD 1024 Mathematics Support (B)	2						Semester 1, Semester 2
AHCD 1037 Counselling Support	6						Semester 1, Semester 2
AHCD 1053 Community Development Support	6						Semester 1, Semester 2
AHCD 1054 Primary Health Care Support	6						Semester 1, Semester 2
AHCD 1055 Indigenous Studies Support	6						Semester 2, Semester 1
AHCD 1056 Communication Studies Support	6						Semester 1, Semester 2
AHCD 1057 Biological Sciences Support	6						Semester 1, Semester 2
AHCD 1070 Alcohol & Other Drugs Support	6						Semester 1, Semester 2
AHCD 2008 Biomechanics Support (2)	2						Semester 2, Semester 1
AHCD 2009 Professional Studies Support (2)	2						Semester 1, Semester 2
AHCD 2010 Research Methods Support (2A)	3						Semester 1, Semester 2
AHCD 2011 Research Methods Support (2B)	4						Semester 2, Semester 1

Notes

1. AHCD 1010 includes 2 credit points prior to start of academic year.
2. AHCD 1018 includes 1 credit point prior to start of year.

Cadigal program

The 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 enrol in a reduced load for the first two years
- a variety of academic support tutorials which allow students to revise and consolidate the work being done in the degree program.

HSC applicants are considered for entry on the basis of their Universities 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. Consideration is given to 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 15.3.

Table 15.3: Aboriginal Health Science Preparatory Program

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SM013: Full-time							
Course code SM012: Full-time (block mode)							
Semester 1							
AHCD 1058 Maths Workshop A	4						Semester 1
AHCD 1059 Academic Skills Workshop A	4						Semester 1

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
AHCD 1060	Human Biology Workshop A	4						Semester 1
AHCD 1061	Aboriginal Studies A	4						Semester 1
AHCD 1062	Anatomy Workshop A	4						Semester 1
AHCD 1063	Behavioural Science Workshop A	4						Semester 1
<i>Semester 1 total: 24 credit points</i>								
<i>Semester 2</i>								
AHCD 1064	Mathematics Workshop B	4						Semester 2
AHCD 1065	Academic Skills Workshop B	4						Semester 2
AHCD 1066	Human Biology Workshop B	4						Semester 2
AHCD 1067	Aboriginal Studies B	4						Semester 2
AHCD 1068	Anatomy Workshop B	4						Semester 2
AHCD 1069	Behavioural Science Workshop B	4						Semester 2
<i>Semester 2 total: 24 credit points</i>								

Units of study

AHCD 1006 Study Skills

4 credit points. Abor Hlth Sc Support Prog. Session: Semester 2, Semester 1.
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

1 credit point. Abor Hlth Sc Support Prog. Session: Semester 2, Semester 1.
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)

4 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 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)

2 credit points. Abor Hlth Sc Support Prog. Session: 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

2 credit points. Abor Hlth Sc Support Prog. Session: 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)

6 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 2.
Biological Sciences Support (A) and (B) 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)

3 credit points. Abor Hlth Sc Support Prog. Session: Semester 1.
The Biological Sciences Support 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

6 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 2.
The unit is designed for students enrolled in Medical Radiation Sciences 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)

3 credit points. Abor Hlth Sc Support Prog. Session: 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)

2 credit points. Abor Hlth Sc Support Prog. Session: Semester 2, Semester 1.
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 1017 Professional Studies Support (1B)

4 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 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 1018 Biomechanics Support (1)

2 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 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

3 credit points. Abor Hlth Sc Support Prog. Session: Semester 1, Semester 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)

2 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 2.

The Behavioural Sciences Support units aim 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)

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 2.

The Behavioural Sciences Support units aim 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

1 credit point. Abor Hlth Sc Support Prog. **Session:** Semester 2.

This unit is offered only in semester 2 and aims to provide students with the fundamental mathematical concepts being introduced to students in the human biology course.

AHCD 1023 Mathematics Support (A)

1 credit point. Abor Hlth Sc Support Prog. **Session:** Semester 2, Semester 1.

The material covered in the Mathematics Support 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)

2 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 2.

The material covered in the Mathematics Support 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

6 credit points. B B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode.

This unit introduces students to indigenous perspectives in health. Part I, Dreamings, Culture and 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

6 credit points. B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** 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

6 credit points. B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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 will 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

6 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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

6 credit points. B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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

6 credit points. B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 1, 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. In 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

6 credit points. B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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.

AHCD 1037 Counselling Support

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 2.

This unit is conducted concurrently with Primary 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 Primary Health Care units.

AHCD 1055 Indigenous Studies Support

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 2, Semester 1.

This unit is conducted concurrently with Indigenous 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 Indigenous Studies units.

AHCD 1056 Communication Studies Support

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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 Maths Workshop A

4 credit points. Abor Hlth Sc Prep Prog. **Session:** Semester 1.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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 relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1061 Aboriginal Studies A

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** Semester 1.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculoskeletal 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** Semester 2.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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 relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1067 Aboriginal Studies B

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** Semester 2.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy and 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

4 credit points. Abor Hlth Sc Prep Prog. **Session:** 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 & Other Drugs Support

6 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 2.

This unit is conducted concurrently with the Alcohol and Other Drugs units 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)

2 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 2, Semester 1.

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)

2 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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)

3 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 1, Semester 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)

4 credit points. Abor Hlth Sc Support Prog. **Session:** Semester 2, Semester 1.

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

6 credit points. B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD 1028 Perspectives in Indigenous Health I. **Assessment:** In class assessment and written assignment.

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 at the local, state and national levels. Guest lecturers and field trips will continue to be important components.

AHCD 2015 Primary Health Care II

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block Mode. **Prerequisites:** AHCD 1030 Primary Health Care I. **Assessment:** In class assessment and written assignment.

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 government policies related to Indigenous Australian health.

AHCD 2016 Community Development II

6 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD 1031 Community Development I. **Assessment:** In class assessment and written assignment.

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

AHCD 2017 Counselling Theory and Methods A

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD 1032 Introduction to Counselling Skills. **Assessment:** In class assessment and written assignment.

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 the role of Aboriginal health and community development workers.

AHCD 2020 Professional Practice II

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD1035 Professional Practice I. **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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD 103 6 Alcohol and Other Drugs I. **Assessment:** In class assessment and written assignment.

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.

AHCD 2022 Introduction to Health Research

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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. The project plan will be developed in Indigenous Community Health Project A.

AHCD 3009 Professional Practice III

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block Mode. **Prerequisites:** AHCD2020 Professional Practice II. **Assessment:** Assessment is based on participation in Block work classes, the professional practice 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 3009 Professional Practice III

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block Mode. **Prerequisites:** AHCD2020 Professional Practice II. **Assessment:** Assessment is based on participation in Block work classes, the professional practice 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD 1032 Introduction to Counselling Skills. **Assessment:** In class assessment and written assignment.

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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD2022 Introduction to Health Research. **Assessment:** In class assessment and written assignment.

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 Proposal

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** AHCD2022 Introduction to Health Research. **Assessment:** In class assessment and written assignment.

The aim of this unit of study is to focus on the writing of the Honours Research Proposal. This unit of study will assist the students to develop their ideas into a set of research questions, review relevant literature, define the methodology and prepare their Honours research proposal.

AHCD 4001 Indigenous Community Health Project B

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. Classes: Block mode. **Assumed Knowledge:** Knowledge of project planning. **Prerequisites:** AHCD3008 Indigenous Community Health Project A. **Assessment:** In class assessment and written assignment. 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 complete their project, following the project plan developed in AHCD3008 Indigenous Community Health Project A.

AHCD 4002 Professional Practice IV

12 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. Classes: Block mode. **Prerequisites:** AHCD3009 Professional Practice III. **Assessment:** Assessment is based on participation in block mode classes, a placement (4 weeks) and submission of written work. The aim of this unit 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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. Classes: Block mode. **Prerequisites:** AHCD2022 Introduction to Health Research. **Assessment:** In class assessment and written assignment. 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 unit 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Prerequisites:** AHCD4033 Perspectives in Indigenous Health III. 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** AHCD 1032 Introduction to Counselling Skills (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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. This unit examines various issues associated with health and nutrition in both urban and rural indigenous communities.

AHCD 4014 Current Issues in Health, Law & Medicine

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. Classes: Block mode. **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 4016 Participant Observation and Ethnography

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Prerequisites:** AHCD2022 Introduction to Health Research. 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 will 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. Classes: Block mode or external. **Prerequisites:** AHCD2016 Community Development II. **Assessment:** In class assessment and written assignment. This unit of study explores the community development approach from social justice, empowerment and political perspectives. By using various theories and models, the concept of socio-economic structure, power relationships and social justice within the context of the 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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. Classes: Block mode. **Prerequisites:** AHCD2022 Introduction to Health Research. **Assessment:** In class assessment and written assignment. 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.

AHCD 4019 Community Development IV

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. Classes: Block mode or external. **Prerequisites:** AHCD4017 Community Development III. This unit of study 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. The theories of group 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 Indigenous Community Health Promotion B

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. Classes: Block mode or external. 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 professionals might be in the initiation of a health promotion initiative 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. Readings will be provided

AHCD 4023 Indigenous Community Health Promotion C

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. Classes: Block mode or external. 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 initiative. How to evaluate a health promotion activity in both mainstream and Indigenous context is also discussed. *Textbooks*
Readings provided

AHCD 4024 Housing and Environmental Health

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD 1032 Introduction to Counselling Skills. **Assessment:** In class assessment and written assignment.

The objectives of this unit 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

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

6 credit points. B B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Prerequisites:** AHCD2013 Perspectives in Indigenous Health II. **Assessment:** in class assessment and written assignment.

This unit builds on Perspectives in Indigenous Health I and II by further exploring Indigenous, sociological, historical and anthropological perspectives 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.

Textbooks

Readings provided

AHCD 4034 Indigenous Community Health Promotion A

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode or external. This unit of study introduces students to the concept and meaning of health promotion and how it is different from health education. The unit ends up with a comparative study of a mainstream and Indigenous health promotion initiative.

Textbooks

Readings will be provided

AHCD 4035 Primary Health Care III

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD2015 Primary Health Care II. **Assessment:** In class assessment and written assignment.

This unit of study builds on the concepts of Primary Health Care explored in AHCD 1030 Primary Health Care I and AHCD2015 Primary Health Care II. Students will critically examine Primary Health Care in Indigenous communities. There will also be a consideration of how PHC can be used to facilitate action for change.

AHCD 4036 Art & Media in Indigenous Hlth Promotion

6 credit points. B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1.

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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Prerequisites:** AHCD2022 Introduction to Health Research.

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: the inferential statistical techniques module 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 methodologies.

AHCD 4039 Oral History

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Prerequisites:** AHCD 2022 Introduction to Health Research.

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 Counselling

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &CommDev),UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Assumed Knowledge:** AHCD 1032 Introduction to Counselling Skills (or equivalent).

The relationship between 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

6 credit points. B B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), B Hlth Sc (Rehab Cing), B Hlth Sc (Rehab Cing) Hons, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD 1032 Introduction to Counselling Skills.

This unit will be taught in conjunction with AHCD4010 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &CommDev),UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** AHCD 1032 Introduction to Counselling Skills. **Assessment:** In class assessment and written assignment.

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 4045 Indigenous Health Information Management

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &CommDev),UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

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 4046 Early Disease Intervention A

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &CommDev),UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consec-

utive units A and B which will be taken together to round off the student's 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 referral, 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 referral of all unusual or serious illnesses.

AHCD 4047 Early Disease Intervention B

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Block mode.

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 off the student's 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 referral, 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 referral of all unusual or serious illnesses.

AHCD 4048 Issues in Housing & Environmental Hlth

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. F. Khavarpour. **Session:** Semester 1, Semester 2. **Classes:** Block mode or external. **Prerequisites:** AHCD4032 Health Policy, Planning and Evaluation A.

This unit is an advanced study of the policy making process. The aim 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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

This unit encourages students to explore the relationship 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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Assumed Knowledge:** This unit is available only to students admitted to the 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 data. Analysis and interpretation of the data towards the first draft of the Honours thesis will also 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

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Block mode.

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 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. The unit is based on participation and includes literature review and group discussions.

AHCD 4054 Research Thesis

30 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode.

This unit of study is designed to give the student in the Honours program an opportunity develop their personal and professional interests through the production of the Honours thesis. Collaboration with the academic supervisors and other relevant academic staff is paramount in the preparation of the thesis. Students will conduct an oral presentation of their Honours Thesis to the School's Research Forum.

BACH 2133 Health and Human Behaviour

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode.

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

6 credit points. B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev), Dip Hlth Sc (Ab Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Prerequisites:** BIOS 1076 Biological Sciences I.

This unit introduces students to the biological basis of health and illness. It includes the study of the pathophysiology of disease and basic management principles.

BIOS 3046 Biological Sciences III

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode. **Prerequisites:** BIOS2090 Biological Sciences II.

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

6 credit points. B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** BIOS 2090 Biological Sciences II.

Medical Sciences and Disorders of Body Systems: the student will be introduced 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 learning format.

16. Bachelor of Health Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Many key issues in Australian healthcare today were not even thought of often 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 outline

The course outline for the Bachelor of Health Sciences Pass and Honours courses are presented in Table 16.1, Table 16.1.1, Table 16.2 and Table 16.2.1.

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 of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SH086: Pass course; full-time, 3 years							
Year 2 (last offered in 2006)							
Semester 1							
BACH 1139	Health and Research Design: General	3					Semester 1, Semester 2
BIOS 2100	Applied Body Systems 1	6	P BIOS 1126 Human Biology and Biochemistry				Semester 1
HIMT 1051	Introduction to Management Principles	6					Semester 1
Core electives 6 (see note 1 below)[6]							
General/core electives 3 (see notes below) [3]							
Semester 1 total: 24 credit points							
Semester 2							
BACH 1141	Analysing Health Research: General	3	A Basic mathematics				Semester 1, Semester 2
BIOS 2101	Applied Body Systems 2	6	P BIOS 1126 Human Biology and Biochemistry				Semester 2
BIOS 2110	Ethical and Legal Aspects of Health Care	6					Semester 2
HIMT 3032	Epidemiology	4					Semester 2
Core electives 5							
Semester 2 total: 24 credit points							
Year 3 (last offered in 2007)							
Semester 1							
BIOS 3053	Applied Body Systems 3	6	P BIOS 1126 Human Biology and Biochemistry				Semester 1
BIOS 3063	Project Design and Management	6					Semester 1
BIOS 3064	Current Issues in Health Care 2	3					Semester 1
Core electives 6 (see note 1 below)							
General/core electives 3 (see notes below)							
Semester 1 total: 24 credit points							
Semester 2							
Core electives 20 (see note 1 below)							
General/core electives 4 (see notes below)							

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
<i>Semester 2 total: 24 credit points</i>							
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 of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition				Session
Course code SH087: Honours program; full-time, 4 years						
Years 1 and 2						
As per Pass course						
Year 3 (last offered in 2007)						
Semester 1						
BIOS 3053	Applied Body Systems 3	6	P BIOS 1126 Human Biology and Biochemistry			Semester 1
BIOS 3063	Project Design and Management	6				Semester 1
BIOS 3064	Current Issues in Health Care 2	3				Semester 1
Core electives 6 (see note 1 below)						
General/core electives 3 (see notes below)						
Semester 1 total: 24 credit points						
Semester 2						
BHSC 3003	Honours Research Proposal	4				Semester 2
Core electives 16 (see note 1 below)						
General/core electives 4 (see notes below)						
Semester 2 total: 24 credit points						
Year 4 (last offered in 2008)						
Semester 1						
BHSC 4001	Honours Research Seminar 1	3	P BHSC3003 Honours Research Proposal			Semester 1
BHSC 4003	Honours Thesis/Research Report A	21	C BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2			Semester 1
Semester 1 total: 24 credit points						
Semester 2						
BHSC 4002	Honours Research Seminar 2	3	P BHSC3003 Honours Research Proposal			Semester 2
BHSC 4004	Honours Thesis/Research Report B	21	C BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2			Semester 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.						

Table 16.2: Bachelor of Health Sciences (Pass)

<i>Unit</i>	<i>of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SH086: Pass course; full-time, 3 years								
Year 1 (first offered in 2006)								
Semester 1								
BACH 1161	Introductory Behavioural Health Sciences	6		N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology				Semester 2, Semester 1
BACH 1162	Environments, Health and Society	6						Semester 1
BIOS 1134	Basic Sciences for Health Studies	6		C BIOS 1161 Biochemistry and Human Biology or BIOS 1126 Human Biology and Biochemistry				Semester 1
BIOS 1161	Biochemistry and Human Biology	6						Semester 1
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
BACH 1163	Professional Practice and Communication	6		P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1, Semester 2
BACH 1164	Human Behaviour and Behaviour Change	6		P BACH 1161 Introductory Behavioural Health Sciences				Semester 2
BIOS 1162	Microbiology and Biotechnology (Intro)	6						Semester 2
BIOS 1155	Structure, Function and Disease A	6		P BIOS 1161 Biochemistry and Human Biology				Semester 2, Semester 1
<i>Semester 2 total: 24 credit points</i>								
Year 2 (first offered in 2007)								
Semester 1								
BACH 2140	Research Methods for Health Sciences	6						Semester 1
BIOS 2111	Introductory Toxicology	NB: * * * No info available for 2006.	* * *					
HIMT 1051	Introduction to Management Principles	6						Semester 1
Elective (see note below) 6								
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
AHCD 3019	Indigenous Australian Health	6						Semester 2
BIOS 1158	Structure, Function and Disease B	6						Semester 2
BIOS 2112	Epidemiology and Principles of Disease	NB: *** No info available for 2006. ***						
Elective (see note below) 6								
<i>Semester 2 total: 24 credit points</i>								
Year 3 (first offered in 2008)								
Semester 1								
BIOS 3063	Project Design and Management	6						Semester 1
BIOS 3066	Current Issues in Health	C NB: * * * No info available for 2006.	* * *					
BIOS 3067	Principles of Pharmacology	NB: * * * No info available for 2006.	* * *					
Elective (see note below) 6								
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
Electives (see note below) [24]								
<i>Semester 2 total: 24 credit points</i>								
Note								
Electives are to be selected from the list below or from others available in the Faculty of Health Sciences and other Faculties of the University. In each semester students may select 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/department offering the unit and the coordinator (or nominee) of the Bachelor of Health Sciences course.								

Table 16.2.1: Bachelor of Health Sciences (Honours)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Honours program; full-time, 4 years					
Years 1 and 2					
As per Pass course					
Year 3 (first offered in 2008)					
Semester 1					
BIOS 3063	Project Design and Management	6			Semester 1
BIOS 3066	Current Issues in Health C		NB: *** No info available for 2006. ***		
BIOS 3067	Principles of Pharmacol		NB: *** No info available for 2006. ***		
Elective (see note below) [6]					
Semester 1 total: 24 credit points					
Semester 2					
BHSC 3014	Honours Research Propo		NB: *** No info available for 2006. ***		
Electives (see note below) [18]					
Semester 2 total: 24 credit points					
Year 4 (first offered in 2009)					
Semester 1					
BHSC 4001	Honours Research Seminar 1	3	P BHSC3003 Honours Research Proposal		Semester 1
BHSC 4003	Honours Thesis/Research Report A	21	C BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
BHSC 4002	Honours Research Seminar 2	3	P BHSC3003 Honours Research Proposal		Semester 2
BHSC 4004	Honours Thesis/Research Report B	21	C BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2		Semester 2
Semester 2 total: 24 credit points					
Note					
Electives are to be selected from the list below or from others available in the Faculty of Health Sciences and other Faculties of the University. In each semester students may select 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/department offering the unit and the coordinator (or nominee) of the Bachelor of Health Sciences course.					

Electives for Bachelor of Health Sciences

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition						Session	
Ageing									
BACH 3122	Psychosocial Aspects of Ageing	6	P BACH 1161 Introductory Behavioural Health Sciences						Semester 1
BIOS 4036	Biology of Ageing	3							Semester 1
BIOS 4037	Applied Biology of Ageing	1	CBIOS4036		Biology	of	Ageing	Semester 1	
BIOS 4038	Health, Disease and Ageing	3							Semester 2
BIOS 4039	Biological Aspects of Disease Management	1	C BIOS4038 Health, Disease and Ageing						Semester 2
EXSS 2026	Growth, Development and Ageing	6							Semester 2
Disability and Rehabilitation									
REHB 3062	Public Offenders: Criminality & Rehab	6							Semester 2

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
REHB 3063	Disability, Work and Quality of Life	6						Semester 1
REHB 3064	Alcohol and Drug Misuse Rehabilitation	6						Semester 1
REHB 3065	PTSD and Rehabilitation	6	NB: Enrolment is limited to 40					Semester 2, Semester 1
Environmental Health								
BHSC 3007	Environmental Hazards	4	A BACH2039 Organisational Studies or equivalent. P BACHI 154 Intro to Environmental Health & Safety, HIMT3032 Epidemiology					Semester 2
BHSC 3008	Risk Management	4	A BACH2039 Organisational Studies or equivalent. P BACHI 154 Intro to Environmental Health & Safety, HIMT3032 Epidemiology					Semester 2, Semester 1
BHSC 3009	Environmental and Occupational Health	3	A BACH2039 Organisational Studies or equivalent. P BACHI 154 Intro to Environmental Health & Safety, HIMT3032 Epidemiology					Semester 1, Semester 2
BHSC 3010	Environmental Safety	4	P BACHI 154 Intro to Environmental Health & Safety, HIMT3032 Epidemiology					Semester 1, Semester 2
BHSC 3011	Ergonomics in Environmental Health	4	A BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B. P BACHI 154 Intro to Environmental Health & Safety, HIMT3032 Epidemiology					Semester 1, Semester 2
BHSC 3013	Fieldwork Practicum	4						Semester 1, Semester 2
OCCP 4069	Occ Rehab & Workers' Compensation	4						Semester 1
Health Promotion								
AHCD 1030	Primary Health Care I	6						Semester 1
AHCD 1031	Community Development I	6						Semester 2
AHCD 2016	Community Development II	6	P AHCD 1031 Community Development I					Semester 1
AHCD 4034	Indigenous Community Health Promotion A	6						Semester 1, Semester 2
AHCD 4036	Art & Media in Indigenous Hlth Promotion	6						Semester 2, Semester 1
AHCD 4053	Human Rights and Social Justice	6						Semester 2, Semester 1
AHCD 3017	Health Promotion	6						Semester 1
BACH 3075	Health Psychology	6	P BACH2129 Psychological Disorders and their Treatment					Semester 2, Semester 1
BACH 3086	Lifespan Psychology and the Family	3						Semester 2, Semester 1
BACH 3128	Health and Globalisation	6						Semester 2
BACH 3130	Sport, Society & Social Theory	6	P BACHI 134 Health, Illness and Social Inquiry or BACHI 130 Foundations of Health Sociology or Introduction to Health Sociology N BACH3081 Sociology of Sport.					Semester 2
BACH 3146	Cyberpsychology and e-Health	6	NB: Limited to 60 Students					Semester 1, Semester 2
OCCP 1054	Leisure in Australia	4						Semester 1
OCCP 1057	Creative Arts in Recreation	4						Semester 1, Semester 2
OCCP 2058	Social Psychology of Leisure and Play	3						Semester 1
OCCP 2059	Learning Processes and Leisure Education	3						Semester 1
OCCP 3052	Research Project in Leisure and Health	4	A This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.					Semester 2
OCCP 3059	Outdoor Recreation and Education	4	A Communication skills, Basic counselling skills					Semester 1, Semester 2
Health Services Management								
EXSS 3041	Management, Marketing and the Law	6						Semester 1, Semester 2
HIMT 1056	Health Care Delivery Systems	6						Semester 2

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
HIMT 3041	Human Resource Management	3	NB: Department permission required for enrolment.	Semester 1
Research and Evaluation				
BACH 4043	Intermediate Statistics	3	P BACH1027 Research Methods I and BACH118 Research Methods II: Data Analysis/Stats or BACH1139 Health and Research Design - General, or equivalent.	Semester 2
BACH 4044	Multivariate Statistics	3	P BACH4043 Intermediate Statistics, or equivalent.	Semester 1, Semester 2
BACH 3125	Evaluation for Health Settings	6		Semester 2
BACH 3126	Research Project Development	6		Semester 2
BACH 3127	History & Philosophy of Science	6		Semester 2
BACH 4055	Intermediate Statistics	6		Semester 1
BACH 4056	Qualitative Research Methods	6		Semester 1
BACH 4057	Survey Research Methods	6		Semester 2
Sports Sciences				
EXSS 1030	Sport First Aid/Trainer	3		Semester 2, Semester 1
EXSS 1032	Fundamentals of Exercise Science	6		Semester 2
EXSS 1034	Sport Coaching	3		Semester 2
Toxicology				
BHSC 3013	Fieldwork Practicum	4		Semester 1, Semester 2
BIOS 3056	Principles of Toxicology 1	4	P BIOS 1145 Introduction to Toxicology	Semester 1
BIOS 3057	Principles of Toxicology 2	3	P BIOS 1145 Introduction to Toxicology	Semester 2
BIOS 3058	Principles of Toxicology 3	3	P BIOS 1145 Introduction to Toxicology	Semester 1
Miscellaneous electives				
BIOS 1116	Speech Science I	3		Semester 1
BIOS 1132	Neuroscience I	3		Semester 2, Semester 1
BIOS 1136	Functional Anatomy A	4		Semester 1, Semester 2
BIOS 1137	Introductory Neuroscience	3		Semester 1
BIOS 1139	Functional Anatomy B	3	A BIOS 1136 Functional Anatomy A	Semester 1, Semester 2
BIOS 1141	Neuroscience II	3		Semester 1, Semester 2
BIOS 1159	Functional Anatomy A - Exercise Science	6		Semester 1
BIOS 1160	Functional Anatomy B - Exercise Science	6		Semester 2
BIOS 2103	Neurosciences for Physiotherapists	3	P BIOS 1137 Introductory Neuroscience	Semester 2
BIOS 3065	Anatomical Analysis of Exercise	6	P BIOS 1136 Functional Anatomy A or BIOS 1144 Functional Anatomy B NB: If student demand exceeds unit of study student limit, preference will be given to students who have achieved graded passes in prerequisite units of study.	Semester 2
BIOS 4035	Sexuality for Health Professionals	3	NB: This elective is only available to students in Year 2 or higher.	Semester 2, Semester 1

Bachelor of Health Sciences/Master of Nursing

The Bachelor of Health Sciences/Master of Nursing is a 4 year pre-registration course for students wishing to undertake a combined degree. Students are required to complete 96 credit points in the Bachelor of Health Sciences. Master of Nursing units are begun in the second year of the undergraduate degree.

Students are generally expected to obtain a credit average in Year 1 to be permitted to commence study in the Master of Nursing in Year 2. Students are not permitted to enrol in Year 4 units without having completed their Bachelor of Health Sciences degree.

The combined study of general health sciences with a professional qualification in nursing means that graduates have broader range of skills and knowledge. Examples include positions working in scientific, research and management positions in health-related organisations in the public and private sectors health and medical industries, in clinical and non-clinical settings such as forensic science, journalism, environmental science media and communications, in

research, government and public institutions, community organisations and the private sector.

At the conclusion of the course, students, subject to the requirements of the Nurses Act of NSW, will be eligible to apply for registration with the Nurses and Midwives Board, NSW.

Admission requirements

Candidates should refer to the Faculty of Health Sciences and Faculty of Nursing and Midwifery handbooks for admission requirements.

Prospective students should note in particular Division 5, 29A of the Nurses Act 1991 No 9 as described above.

Course outline

The course outline for the Bachelor of Health Sciences/Master of Nursing course is presented in Table 16.3.

Table 16.3: Bachelor of Health Sciences/Master of Nursing

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code GH016: full-time, 4 years								
Year 1 (first offered in 2006)								
Semester 1								
BACH 1161	Introductory Behavioural Health Sciences	6		N BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology				Semester 2, Semester 1
BACH 1162	Environments, Health and Society	6						Semester 1
BIOS 1134	Basic Sciences for Health Studies	6		C BIOS 1161 Biochemistry and Human Biology or BIOS 1126 Human Biology and Biochemistry				Semester 1
BIOS 1161	Biochemistry and Human Biology	6						Semester 1
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
BACH 1163	Professional Practice and Communication	6		P BACH 1161 Introductory Behavioural Health Sciences (or equivalent)				Semester 1, Semester 2
BACH 1164	Human Behaviour and Behaviour Change	6		P BACH 1161 Introductory Behavioural Health Sciences				Semester 2
BIOS 1162	Microbiology and Biotechnology (Intro)	6						Semester 2
BIOS 1155	Structure, Function and Disease A	6		P BIOS 1161 Biochemistry and Human Biology				Semester 2, Semester 1
<i>Semester 2 total: 24 credit points</i>								
Year 2 (first offered in 2007)								
Semester 1								
Introductory Toxicology [6]								
HIMT 1051	Introduction to Management Principles	6						Semester 1
NURS 5001	Nursing Concepts: Bodies and Boundaries	6						Semester 1
NURS 5003	Observation in Nursing Practice	6						Semester 1a
<i>Semester 1 total: 24 credit points</i>								
Semester 2								
BIOS 1156	Human Biology and Radiobiology	6		A Basic Chemistry				Semester 1
Epidemiology & Principles of Disease								
NURS 5002	Social Contexts of Health	6						Semester 1, Semester 2
NURS 5004	Applied Nursing Practice	6						Semester 1b, Semester 2
<i>Semester 2 total: 24 credit points</i>								

Unit of Study			CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
Year 3 (first offered in 2008)				
Semester 1				
BIOS 3063	Project Design and Management	6		Semester 1
BACH 2140	Research Methods for Health Sciences	6		Semester 1
and				
Nursing units of study 12 (12 credit points)				
Semester 1 total: 24 credit points				
Semester 2				
BIOS 3066	Current Issues in Health C		NB: *** No info available for 2006. ***	
BIOS 3067	Principles of Pharmacol		NB: *** No info available for 2006. ***	
and				
Nursing units of study 12 (12 credit points)				
Semester 2 total: 24 credit points				
Year 4 (first offered in 2009)				
Semester 1				
NURS 6001	Nursing Observations and Bio Parameters	6		Semester 1
NURS 6002	Maternity, Child & Adolescent Nursing I	6		Semester 1
NURS 6003	Nursing Care for Chronic Conditions	6		Semester 1
NURS 6004	Nursing and the Politics of Health Care	6		Semester 1
Semester 1 total: 24 credit points				
Semester 2				
NURS 6005	Acute Care and Nursing Practice II	6	P NURS 5008 and NURS 6001	Semester 2
NURS 6006	Mental Health Nursing Practice II	6	P NURS 5007	Semester 2
NURS 6007	Community Nursing	6		Semester 2
NURS 6008	Inquiry and Research in Nursing	6		Semester 2
Semester 2 total: 24 credit points				

Units of study

AHCD 1030 Primary Health Care I

6 credit points. B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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 will 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

6 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Block mode. **Assessment:** In class assessment and written assignment.

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 2016 Community Development II

6 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev), Dip Hlth Sc (Ab Hlth & Comm Dev), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Block mode. **Prerequisites:** AHCD 1031 Community Development I. **Assessment:** In class assessment and written assignment.

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

AHCD 3017 Health Promotion

6 credit points. B B Hlth Sc, B Hlth Sc. Freidoon Khavarpour. **Session:** Semester 1. **Classes:** Distance Mode package and limited face to face teaching. **Assessment:** Response to two sets of descriptive and analytical questions (20%); Writing a report on a Programme/Project/Service provision in health promotion (30%); Design and Evaluate a health promotion initiative (50%).

This unit of study of study introduces you to the concept and principles of health promotion and provides you with a framework for developing health promotion initiatives in your professional capacity

as allied health practitioner. The unit is structured around three modules: The Concept and Meaning of Health; Health Promotion Practice and; Designing & Evaluating Health Promotion Initiative.

Textbooks

Reading will be provided in the Distance Mode package

AHCD 4034 Indigenous Community Health Promotion A

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Block mode or external. This unit of study introduces students to the concept and meaning of health promotion and how it is different from health education. The unit ends up with a comparative study of a mainstream and Indigenous health promotion initiative.

Textbooks

Readings will be provided

AHCD 4036 Art & Media in Indigenous Hlth Promotion

6 credit points. B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1.

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 4053 Human Rights and Social Justice

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Block mode.

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 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. The unit is based on participation and includes literature review and group discussions.

BACH 1139 Health and Research Design: General

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Orth), B App Sc (Orth), B B Hlth Sc, B Hlth Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Dr. Kaye Brock, Dr. Peter Choo. **Session:** Semester 1, Semester 2. **Assessment:** Mid semester class test, end of semester 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, B App Sc (Orth), B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Karen Pepper. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

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

BACH 1161 Introductory Behavioural Health Sciences

6 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS)Rad Thy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, M N, B O H, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 4 Hours/week. **Prohibitions:** BACH 1132 Foundation of Psychology for Health Sciences; BACH 1133 Introduction to Health Psychology. **Assessment:** Class Exercise, 17.5%, Mid semester assignment: 25%, End of semester examinations 57.5%.

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing, as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a soci-

ological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology, and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet, and exercise adherence.

Specifically, the sociology component of the unit will examine 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 wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exercise and fitness, health promotion, psychological changes across the lifespan).

Textbooks

TBA

BACH 1162 Environments, Health and Society

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 Hours/week.

Assessment: End of semester exam, 50%; Essay, 25%; group project presentation 25%. This unit explores understandings and practices related to a range of social, physical, organizational and political environments. The following themes will be addressed: the organization of work, and its implication for health; approaches to occupational and environmental health in Australia; social constructions and management of risk; the formulations and implementation of policies relevant to health; the effects of globalization on social and physical environments; and the emergence of varied social movements in response to these and other developments.

Textbooks

TBA

BACH 1163 Professional Practice and Communication

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 4 Hours/week. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences (or equivalent). **Assessment:** Case presentation (20%), Report (40%) Communication essay (40%).

This unit is concerned with how health professionals work and communicate in multi professional teams. Students will be introduced to the roles and challenges of a number of different health professions and encouraged to explore the differing practical and academic requirements of discipline groups within the NSW and Australian Health care systems. Students will also be required to read and assimilate information from a number of different professional disciplines and contribute to a case discussion based upon this information. The unit also introduces students to aspects of professional communication in health such as interviewing and basic counselling skills, case notes, professional reports, research reports, media releases and medicolegal documentation. The practical component of the units comprises interpersonal skills workshops covering topics such 1:1 and panel interviews and role played client interactions. Staff from a number of different professional groups within the Faculty and college of Health Sciences will contribute to the teaching program in this Unit of Study

Textbooks

TBA

BACH 1164 Human Behaviour and Behaviour Change

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 4 Hours/week. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences. **Assessment:** 3X 1000 word essays (60%), end of semester examination (40%).

Behaviour and attitudes are central to health status, and health scientists try to encourage people to adopt healthier beliefs, attitudes and behaviours. This unit examines the interplay between the processes of reasoning, memory and attention, and the mechanisms that determine our behaviour and beliefs in groups such as peer groups, subcultures and organisations, and the ways in which unhealthy behaviours can be modified. Students will be introduced to key con-

cepts in cognitive psychology, such as memory, attention and problem solving, before examining the application of social psychological principles to health, job satisfaction and professional practice with an overview of research in a variety of areas including, but not limited to helping behaviour and aggression, interpersonal relationships, conformity, prejudice and group processes. The unit concludes with a review of those procedures that can be used to bring about lasting change in individuals.

Textbooks
TBA

BACH 3075 Health Psychology

6 credit points. B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sc, UG Study Abroad Program, Dr Barbara Adamson. **Session:** Semester 2, Semester 1. **Classes:** Lecture and Seminar. **Prerequisites:** BACH2129 Psychological Disorders and their Treatment. **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 are 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 3086 Lifespan Psychology and the Family

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2, Semester 1. 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 3122 Psychosocial Aspects of Ageing

6 credit points. B B Hlth Sc, B B Hlth Sc, M.N, B Hlth Sc. **Session:** Semester 1. **Prerequisites:** BACH 1161 Introductory Behavioural Health Sciences. **Assessment:** Assignment and examination.

This unit examines the psychosocial context of late adulthood. The impact of changing social, environmental, economic, and biological dimensions are examined in the context of healthy ageing and age-related illness. Implications for health care delivery are considered.

BACH 3125 Evaluation for Health Settings

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. This unit prepares professionals in health or related settings to evaluate aspects of their professional practice. The practical and plural approach taken is relevant to a range of professions as well as multi disciplinary settings. Students consider the purpose of evaluation and are encouraged to choose the most appropriate approach, strategies and methods for evaluating the effectiveness of a health care intervention. The practical focus on 'evaluation for action' is relevant to professional development and improvement, reflective practice, or evidence based health care.

Textbooks
J.Ovretveit (1998) Evaluating Health Interventions, Buckingham: Open University Press [andwww.fhs.usyd.edu.au/bach/](http://www.fhs.usyd.edu.au/bach/)

BACH 3126 Research Project Development

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. 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. 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. By the end of this unit students will have developed a research proposal.

BACH 3127 History & Philosophy of Science

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. 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 3128 Health and Globalisation

6 credit points. B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Assessment:** Assignments. The focus of the unit of study is to understand the meaning of globalisation and the impact of globalisation on health. The unit examines the changing trade processes and social and cultural shifts and their impact on populations' health. The unit also aims to provide understanding of both direct and indirect impact of globalisation on health. The direct impact of globalisation on health includes shifting disease patterns; shifting behaviour patterns (diet and smoking); and indirect impact includes changes in trade laws affecting workers' health; the existence of internet 'globalisation' on the health and utilization of health care services.

BACH 3130 Sport, Society & Social Theory

6 credit points. B App Sc (Ex & Sp Sc), B B Hlth Sc, B Hlth Sc. **Session:** Semester 2. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or Introduction to Health Sociology. **Prohibitions:** BACH3081 Sociology of Sport.. **Assessment:** Assignments and examination.

This unit draws on the work of numerous social theorists to elucidate the origins, nature, and prospects of modern sporting forms and practices. The theorists covered include Norbert Elias, Max Weber, Emile Durkheim, Karl Marx, Antonio Gramsci, and Jurgen Habermas. The topics covered include: the social development of modern sports; the functional similarities of sport and religion; ideology, power and politics in contemporary sport; gender, feminism and women's sport; the history of the Olympic Games; the structural transformation of professional football leagues; and the role of sport in the formation of self-identity.

Textbooks
book of readings.

BACH 3146 Cyberpsychology and e-Health

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program, Dr Andrew Campbell. **Session:** Semester 1, Semester 2. **Classes:** On Campus. **Assessment:** Assignment 1 - (1000 words) on reviewing existing Online Health Services (25%).
Assignment 2 - (1000 words) on the benefits/problems of online Mental Health provision (25%).
Assignment 3 - (2000 words) on the ethics and improvement of online Health and/or Mental Health resources and services (50%).

NB: Limited to 60 Students

This Faculty elective is delivered to encompass the broader scope of Health topics online and how Information Technology impacts on behaviour and health.

Cyberpsychology and e-Health aims to educate those seeking careers in allied health on how societal and individual health is both affected and addressed by the Internet. The course will be based on guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of Information technology in the following areas:

1. Allied Health e-training.
2. Ethics and practice of online pharmacies.
3. Telemedicine.
4. Provision of psychological therapy over the Internet.
5. Online health testing and research
6. Online health and psychological resources and quality control of such resources.

7. Future directions focused on improving health and mental health resources using Information Technology.

Textbooks

No set Textbook but recommended Reading Lists will be provided.

BACH 4043 Intermediate Statistics

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cing) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **Prerequisites:** BACH 1027 Research Methods 1 and BACH1118 Research Methods II: Data Analysis/Stats or BACH 1139 Health and Research Design - General, or equivalent. **Assessment:** Written assignments and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in previous Research Methods units. 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cing) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** Semester 1, Semester 2. **Classes:** On campus attendance. **Prerequisites:** BACH4043 Intermediate Statistics, 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 4055 Intermediate Statistics

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** 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

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Cherry Russell. **Session:** Semester 1. **Classes:** On campus 3 hours/week.

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. In addition, students work on a research project of their choice throughout the semester.

BACH 4057 Survey Research Methods

6 credit points. B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Aborig Hlth & Comm Dev) Hons, UG Study Abroad Program. Dr Kate O' Loughlin. **Session:** 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.

BHSC 3003 Honours Research Proposal

4 credit points. B Hlth Sc (Hons), UG Study Abroad Program. **Session:** 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 3007 Environmental Hazards

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** BACH2039 Organisational Studies or equivalent. **Prerequisites:** BACH1154 Intro to Environmental Health & Safety, HMT3032 Epidemiology.

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

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Assumed Knowledge:** BACH2039 Organisational Studies or equivalent. **Prerequisites:** BACH 1154 Intro to Environmental Health & Safety, HMT3032 Epidemiology.

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

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BACH2039 Organisational Studies or equivalent. **Prerequisites:** BACH 1154 Intro to Environmental Health & Safety, HMT3032 Epidemiology.

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 is mental diseases associated with the environment.

BHSC 3010 Environmental Safety

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Prerequisites:** BACH1154 Intro to Environmental Health & Safety, HMT3032 Epidemiology.

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

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B. **Prerequisites:** BACH1154 Intro to Environmental Health & Safety, HMT3032 Epidemiology.

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

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1, Semester 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.

BHSC 4001 Honours Research Seminar 1

3 credit points. B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** BHSC3003 Honours Research Proposal.

Honours students undertake a research project in an area of specialised interest. Students will prepare and deliver a seminar on the progress of their research project to date, including a description of the research question, the process of investigation, and a literature review.

BHSC 4002 Honours Research Seminar 2

3 credit points. B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** BHSC3003 Honours Research Proposal.

Honours students undertake a research project in an area of specialised interest. Students prepare and deliver a seminar on the progress of their research project to date with a focus on their findings and the implications of the findings.

BHSC 4003 Honours Thesis/Research Report A

21 credit points. B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1. **Corequisites:** BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2.

In this unit the student undertakes a research project in an approved topic area. The student implements, under the supervision of an academic staff member, the project designed in BHSC3003 Honours Research Proposal, and submits either a thesis or a research report in a form suitable for submission to a refereed journal for publication. The choice of thesis or research report will be made in consultation with the student's academic supervisor.

BHSC 4004 Honours Thesis/Research Report B

21 credit points. B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2. **Corequisites:** BHSC4001 Honours Research Seminar 1, BHSC4002 Honours Research Seminar 2.

Honours students will complete their research project and submit either a thesis or research report in a form suitable for submission to a refereed journal for publication.

BIOS 1116 Speech Science I

3 credit points. B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Dr Helen Ritchie. **Session:** Semester 1. **Classes:** On campus. **Assessment:** Mid-semester exam (20%), end semester exam (80%).

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 1132 Neuroscience I

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Cross Institutional Enrolment, UG Study Abroad Program. **Session:** Semester 2, 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 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

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Ian Cathers. **Session:** Semester 1. **Classes:** 3 hours per week. **Corequisites:** BIOS 1161 Biochemistry and Human Biology or BIOS 1126 Human Biology and Biochemistry. **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. The unit of study also includes an academic skills module that covers basic study, research and writing skills.

BIOS 1136 Functional Anatomy A

4 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), Cross Institutional Enrolment, Health Sciences PG Non Award, Health Sciences UG Non-Award, Misc, UG Study Abroad Pro. Dr Karen Ginn. **Session:** Semester 1, 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 1137 Introductory Neuroscience

3 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B App Sc (Phy), B Hlth Sc, Cross Institutional Enrolment, Health Sciences UG Non-Award, UG Study Abroad Program. Dr Alan Freeman. **Session:** 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

3 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B Hlth Sc, B Hlth Sc (Hons), Health Sciences PG Non Award, Misc, UG Study Abroad Program. Dr. Catherine Willis. **Session:** Semester 1, Semester 2. **Classes:** On campus 30 hours. **Assumed Knowledge:** BIOS 1136 Functional Anatomy A. **Assessment:** Intra-semester 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 1141 Neuroscience II

3 credit points. B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), UG Study Abroad Program. Dr Ros Bohringer. **Session:** Semester 1, 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 1155 Structure, Function and Disease A

6 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS)Rad Thy, B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Meg Stuart. **Session:** Semester 2, Semester 1. **Prerequisites:** BIOS 1161 Biochemistry and Human Biology. **Assessment:** Two mid-semester spot tests (each 15%); End-semester exam (70%).

This unit of study introduces the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal, cardiovascular and respiratory systems are undertaken. This leads to a focus on the important diseases related to these systems and their effects on the body. The basic concepts of pharmacology will also be introduced to enable students to understand the action of drugs on each of the body systems as they are covered in this unit and in Structure, Function and Disease B. Students are expected to complete computer-based, self-directed learning packages prior to some practical sessions. 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 1159 Functional Anatomy A - Exercise Science

6 credit points. B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Meg Stuart. **Session:** Semester 1. **Classes:** 3 hours lecture plus 2 hours practical/tutorial per week. **Assessment:** Mid Semester exam (20%), End semester prac exam (40%), End semester exam (40%).

This unit of study will commence with an introduction to the study of anatomy with particular reference to the musculoskeletal system. Content: a detailed study of the gross anatomical structure and functional anatomy of the upper limb; the application of anatomical principles to the analysis of movement (for example, reaching and throwing); the histological features of the tissues of the musculoskeletal system, and the ways in which some of these tissues are altered by varying activity states. Students will be expected to undertake a number of independent learning activities and to participate in a number of online tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

Anatomy and Human Movement (4th Ed) Palastanga, Field and Soames. Butterworth Heinemann
McMinn's Colour Atlas of Anatomy (4th Ed) Abrahams, Hutchings and Marks. Mosby Publisher

BIOS 1160 Functional Anatomy B - Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Catherine Willis. **Session:** Semester 2. **Classes:** 5 hours per week. **Assessment:** Mid semester practical exam (30%), end semester practical exam (30%) and end semester exam (40%).

This unit of study presents a detailed study of the gross anatomical structure and functional anatomy of the lower limb, vertebral column, thorax and pelvis. Content will include application of anatomical principles to the analysis of movement. Students will be expected to undertake a number of independent learning activities including participating in on-line tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged. A module examining the analysis of integrated movements of upper and lower limbs will also be presented.

BIOS 1161 Biochemistry and Human Biology

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, B O H, M Mid Res (Hons), UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 1. **Classes:** 4 hours lectures per week. **Assessment:** Mid-semester exam (20%), End-semester exam (80%).

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of 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 following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, 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. The application of these fundamental principals to developments in healthcare is examined.

BIOS 1162 Microbiology and Biotechnology (Intro)

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc, M N, M Mid Res (Hons), UG Study Abroad Program. Dr Diana Oakes. **Session:** Semester 2. **Classes:** 2 hours lectures, 1 hour practical class per week. **Assessment:** Mid-semester exam (30%), End-semester exam (70%).

In this unit of study an introduction to the field of microbiology will be presented. Students will develop an understanding of the distinguishing features and key characteristics of the major types of micro organisms and will gain some practical experience in the safe handling and growth of microbes in the laboratory setting. The factors that commonly lead to the emergence or re-emergence of infectious diseases will be examined. Bacterial genetics and the role of micro-organisms in genetic engineering will also be studied. Students will also develop an understanding of the methods used in, and the applications of biotechnology, with a major emphasis on its relevance to human health. The biomedical consequences of developments in biotechnology will also be examined. There will be an opportunity for students to develop some practical expertise in relevant laboratory techniques. Topics covered include the role of biotechnology in health, gene screening and therapy, cloning and reproductive technology, biotechnology and drug discovery and techniques in biotechnology.

Textbooks

Lee, G & Bishop P (2005), Microbiology and Infection Control for Health Professionals, 3rd ed, Sydney: Pearson Education

BIOS 2100 Applied Body Systems 1

6 credit points. B Hlth Sc, B O H, UG Study Abroad Program. Dr. Meg Stuart. **Session:** Semester 1. **Classes:** On campus lectures and practicals, plus on-line and self-directed learning. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry. **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

6 credit points. B Hlth Sc, BOH, UG Study Abroad Program. Dr. Dana Strain. **Session:** Semester 2. **Classes:** On campus lectures, tutorials and practicals. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry. **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 BIOS3053 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 2103 Neurosciences for Physiotherapists

3 credit points. B App Sc (Phy), B App Sc (Phy), B Hlth Sc, Health Sciences UG Non-Award, UG Study Abroad Program. Dr John Burne. **Session:** Semester 2. **Classes:** On campus 30 hours. **Prerequisites:** BIOS 1137 Introductory Neuroscience. **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).

BIOS 2110 Ethical and Legal Aspects of Health Care

6 credit points. B Hlth Sc, UG Study Abroad Program. Dr Ros Bohringer. **Session:** 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.

BIOS 3053 Applied Body Systems 3

6 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Dana Strain. **Session:** Semester 1. **Classes:** On campus lectures, tutorials & practicals. **Prerequisites:** BIOS 1126 Human Biology and Biochemistry. **Assessment:** Mid semester exam (20%), end semester exam (47%), short essay (33%).

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 required.

BIOS 3056 Principles of Toxicology I

4 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Helen Ritchie. **Session:** Semester 1. **Prerequisites:** BIOS 1145 Introduction to Toxicology. **Assessment:** Assignment/Examination.

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 biological responses to toxins. Skin and cardiovascular systems will be studied in detail.

BIOS 3057 Principles of Toxicology 2

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Diana Oakes. **Session:** Semester 2. **Prerequisites:** BIOS 1145 Introduction to Toxicology. **Assessment:** Assignment/Examination.

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 also be studied.

BIOS 3058 Principles of Toxicology 3

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Diana Oakes. **Session:** Semester 1. **Prerequisites:** BIOS 1145 Introduction to Toxicology. **Assessment:** Assignment/Examination.

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 also be addressed.

BIOS 3063 Project Design and Management

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc, M N, UG Study Abroad Program. Dr. Gary Lee. **Session:** 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.

BIOS 3064 Current Issues in Health Care 2

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Meg Stuart. **Session:** 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.

BIOS 3065 Anatomical Analysis of Exercise

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B Hlth Sc, UG Study Abroad Program. Dr. Karen Ginn. **Session:** Semester 2. **Classes:** on-campus - limit of 50 students. **Prerequisites:** BIOS 1136 Functional Anatomy A or BIOS 1144 Functional Anatomy B. **Assessment:** Formative assessment during practical classes and tutorials. Summative assessment: group project and presentation (80%); contribution to class activities (20%).

NB: If student demand exceeds unit of study student limit, preference will be given to students who have achieved graded passes in prerequisite units of study.

This unit of study will extend the students' knowledge of functional musculoskeletal anatomy by applying functional anatomy principles to the analysis of exercises. Relevant research and advanced knowledge of functional musculoskeletal anatomical concepts will be used to explore exercises designed to: strengthen and lengthen specific muscles; improve muscle coordination; develop dynamic stability; and prevent the development of muscle imbalances that may contribute to musculoskeletal injury. The application of musculoskeletal anatomy principles to increase exercise difficulty and variety will also be explored. This unit will include laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 4035 Sexuality for Health Professionals

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Institutio. Dr Patricia Weerakoon. **Session:** Semester 2, Semester 1. **Classes:** This unit is offered on-line. Attendance on campus is required only for the first session in week one of the semester. **Assessment:** Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This elective is only available to students in Year 2 or higher.

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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, Health Sciences PG Non Award, UG Study Abroad Program. Dr Peter Knight. **Session:** 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

1 credit point. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), Health Sciences PG Non Award, UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 1. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. **Corequisites:** BIOS4036 Biology of Ageing. **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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc. Dr Peter Knight. **Session:** 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

1 credit point. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 2. **Classes:** Presented in flexible mode, comprising learning packages and readings, seminar presentations. **Corequisites:** BIOS4038 Health, Disease and Ageing. **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 1030 Sport First Aid/Trainer

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Margaret Torode. **Session:** Semester 2, Semester 1. **Classes:** Total 3 hours per week. **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 1032 Fundamentals of Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Practical skills mastery, Mid semester exam, end semester exam.

This unit encompasses the fundamental principles and practices of exercise science and the use and process of scientific measurement and analysis. The student will gain an understanding of the application of these fields to the assessment and development of physical fitness. The unit examines the energetics of exercise, measurement of human work performance and exercise responses in the laboratory, and the assessment of aerobic fitness. Results acquired in laboratory sessions will be used to examine measurement and data quality, data analysis and the presentation of data in both a graphical and written format.

EXSS 1034 Sport Coaching

3 credit points. B App Sc (Ex & Sp Sc), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Lectures, practicals and a level 1 coaching accreditation. **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 (e.g. children, aged and impaired).

EXSS 2026 Growth, Development and Ageing

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Mid-semester exam, End-semester exam.

This unit of study aims to provide the student with an appreciation of growth, development and ageing of the human across the lifespan. Physiologic changes, motor skill development and physical performance will be examined and related to morphology and stages of childhood and adolescent growth. The relationships between growth, development, gender and physical activity will be explored. The biological changes and consequences of ageing on physiologic and psychological health, disease and exercise capacity will be investigated. The student will also be able to gain an understanding of exercise prescription for pregnant women, children, adolescents and older adults.

EXSS 3041 Management, Marketing and the Law

6 credit points. B App Sc (Ex & Sp Sc), B Hlth Sc, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Assessment:** Assignment, End semester exam.

This unit presents an overview of starting a small business, adapting current marketing principles, and being aware of the many pitfalls that will be encountered along the way. Attention is given to the fundamentals of business planning, staff structuring, and understanding of current occupancy costs together with an insight into the basics of budgetary controls. Media buying, advertising and franchising are also reviewed. 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. Negotiation skills and business obligations are introduced to augment the level of expertise when leaving university to work within an established firm or commence your own practice, partnership, or solely owned company.

HIMT 1051 Introduction to Management Principles

6 credit points. B Hlth Sc, B Hlth Sc, M N, UG Study Abroad Program. Ms Joanne Callen (02) 9351 9558. **Session:** 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 1056 Health Care Delivery Systems

6 credit points. B App Sc (Hlth Inf Mgt), B Hlth Sc, UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058 and Prof Beth Reid. **Session:** Semester 2. **Classes:** Two hours on-campus lectures & 1 hour tutorial. **Assessment:** Two assessments and Final Exam.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and State responsibilities for health; the NSW Health care service structure; community health care and specialist services; professional associations and organisations; and the role of the medical and allied health professionals. Details of health insurance and Medicare are presented. Trends in the provision of health services and the health status of the Australian population are also discussed. The interactive web-based teaching tool, the Health Care Game, is used in the delivery and assessment of this unit.

HIMT 3032 Epidemiology

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B Hlth Sc, UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058. **Session:** Semester 2.

Classes: 2 hours lectures + one hour tutorials. **Assessment:** Assignments/examination. 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

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Joanne Callen/Linda Ernst (02) 9351 9558. **Session:** Semester 1. **Classes:** On-campus attendance for 3 day block. **Assessment:** Assignments.

NB: Department permission required for enrolment.

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

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1. **Classes:** 3 x 1 hour lectures and 7 x 1 hour tutorials per semester. **Assessment:** Assignment, examinations x 2.

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 is 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.

Textbooks

Veal, A.J. & Lunch, R. (2001) Australian Leisure, Pearson.

OCCP 1057 Creative Arts in Recreation

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1, Semester 2. **Classes:** On campus 3 hours/week. **Assessment:** Assignments.

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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 1. **Classes:** On campus mode (2 hours/week) or Distance education. **Assessment:** Assignment, examinations.

This unit of study aims to broaden the 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 relate 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Norm Kelk. **Session:** Semester 1. **Classes:** On campus 2 hours/week.

Distance education. **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 3052 Research Project in Leisure and Health

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Norm Kelk. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **Assumed Knowledge:** This unit is only available to students

after completion of 4 semesters (full time equivalent) of the course. **Assessment:** Assignments.

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 3059 Outdoor Recreation and Education

4 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth) Hons, B App Sc (OT), B Hlth Sc, B Hlth Sc (Hons). Dr Norm Kelk. **Session:** Semester 1, Semester 2. **Classes:** on-campus 1 hour lecture/week, 1 hour tutorial/week; off-campus block mode. **Assumed Knowledge:** Communication skills, Basic counselling skills. **Assessment:** 1500 - 2000 word essay (50%), Skills-based assessment (50%).

This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical application of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphoric transference of learning. The third module is taught in block mode, usually over two days at an outdoor education centre where students practise advanced debriefing skills in real adventure experiences. A fee is payable by students for the latter part of the program.

OCCP 4069 Occ Rehab & Workers' Compensation

4 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr. Ev Innes and Dr. Kate O' Loughlin. **Session:** Semester 1. **Classes:** On campus weekly classes. **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.

REHB 3062 Public Offenders: Criminality & Rehab

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 2. **Classes:** 2 hours per week. **Assessment:** Mid semester Exam 40%, Essay (2000 words) 60%.

This Unit introduces students to issues relating to the rehabilitation of public offenders including adults (males and females) and youth offenders. Students will study the major theories of criminality and community attitudes impacting on government approaches to rehabilitation and incarceration policy. The unit will examine the different approaches and policies to the incarceration of adult males and females and young people and the goals of these approaches. Special attention will be paid to examining the nature of the objectives and desired outcomes of incarceration.

Students will analyse the roles and functions of personnel employed within the prison system, including that of custodial personnel and professional workers. In particular the unit will look at the various health issues associated with public offender rehabilitation, including drug addiction, mental illness and HIV/AIDS, the health services available within the prisons and the role played by the various health professionals employed to deal with such problems.

Students will also be introduced to the Probation and Parole System and to the various alternative to full-time incarceration, including community service, day release, work release, and week end detention. They will examine the aims and objectives of these alternatives and the roles and functions of professional workers (including health workers) employed to administer these programs.

Textbooks

Course will be supplied with Study Notes and Readings

REHB 3063 Disability, Work and Quality of Life

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Marcia Underwood. **Session:** Semester 1. **Classes:** 2 hours per week. **Assessment:** Class exercise (multiple choice and short answer) 25%, group presentation and summary report (500 words) 25% and log book (2,000 words) 50%.

This unit will provide students with a sound understanding and awareness of disability and social disadvantage issues in today's society, viewed from the perspective of the consumer, the health professional and society. It will explore the primary causes of the major categories of disability and social disadvantage together with indic-

ators and research findings of social and vocational alienation within communities.

The subject will further investigate the role of rehabilitation in light of the physical, social and psychological consequences and impacts of disability and social disadvantage (both positive and negative) particularly in relation to work, education, quality of life and community integration. We will explore the stages of change and the significance of attitude, perceptions, group norms and the role of significant others.

Textbooks

Course will be supplied with Study Notes and Readings

REHB 3064 Alcohol and Drug Misuse Rehabilitation

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 1. Classes: 2 hours per week. Assessment: Mid Semester Exercise and Report (Max 1,500 words) 40% Essay (2000 words) 60%.

This Unit introduces students to issues relating to a major public health problem: the misuse of alcohol and other addictive drugs.

The unit introduces students to two major aspects of this area;

1. Issues relating to the development of health prevention/health promotion policy, covering the philosophies of harm minimisation and zero tolerance.

2. Approaches to rehabilitation and treatment of those overusing both alcohol and other drugs.

The unit commences with an analysis of public health policy approaches to the rehabilitation and treatment of people overusing alcohol and other harmful drugs. Students will be required to undertake an exercise involving an analysis of the effectiveness of the two major policy approaches to the problem of drug overuse and abuse - harm reduction and zero tolerance. They will be required to examine the evidence supporting these two approaches to public health policy. In the second part of the unit students will study the major therapeutic approaches to treatment and rehabilitation. This will include familiarisation with Alcoholics Anonymous, clinically based approaches including Transactional Analysis and other group therapy oriented approaches, the various behavioural therapies, Therapeutic Communities, Methadone Maintenance, needle exchange and recent trials in safe injection facilities. They will become familiar with the nature of services offered, the role of the various health professional in these services and the nature of effective treatment and rehabilitation outcomes.

Textbooks

Study Notes provided with references

REHB 3065 PTSD and Rehabilitation

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 2, Semester 1. Classes: Distance education students will be provided with module notes, readings and exercises. Assessment: Take home exam 40%, Research report (2000 words) 60%.

NB: Enrolment is limited to 40

This unit introduces the clinical entity of posttraumatic stress disorder (PTSD). Students will learn about the history, nature and presentation of the disorder. Major theoretical approaches to treatment and rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented. Students will examine the contributions of a range of health care/rehab professionals to the case management of people with PTSD. Students will have the opportunity to extend their knowledge of PTSD through the completion of a specialised research report

17. Singapore conversion courses

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 co-ordinate 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.

Each unit of study is conducted over a two week period and comprises twenty hours of student contact and five hours of independent study.

Table 17.1 Bachelor of Health Science (Nursing) Off-shore (Singapore based)

Unit of Study		CP	A• Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Part-time, 4 semesters								
Credit point for award: 48								
Course Code: SHOW January and July start								
Year 1								
Semester 1								
SING 4062	Health Care Ethics	3						Semester 1, Semester 2
SING 4063	Legal Perspectives and Health Care	3						Semester 1, Semester 2
SING 4072	Nursing Knowledge and Health Care	6						Semester 1, Semester 2
<i>Semester 1 total: 12 credit points</i>								
Semester 2								
SING 4066	Pathophysiology A	3						Semester 1, Semester 2
SING 4067	Pathophysiology B	3						Semester 1, Semester 2
SING 4087	Nursing and Health Assessment	6						Semester 1, Semester 2
<i>Semester 2 total: 12 credit points</i>								
Year 2								
Semester 1								

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
SING 4064	Patient/Client Education	3	Semester 1, Semester 2
SING 4065	Managing Resources in Health Services	3	Semester 1, Semester 2
SING 4070	Sociology of Work and Organisations	3	Semester 1, Semester 2
SING 4071	Patient-Practitioner Relationships	3	Semester 1, Semester 2
<i>Semester 1 total: 12 credit points</i>			
Semester 2			
SING 4068	Research Methods I	3	Semester 1, Semester 2
SING 4069	Research Methods II	3	Semester 1, Semester 2
SING 4088	Nursing in Complex Clinical Situations	6	Semester 1, Semester 2
<i>Semester 2 total: 12 credit points</i>			
1.Units of study to be completed in first Semester of enrolment.			
2.Units of study to be completed in second Semester of enrolment.			
3.Units of study to be completed in third Semester of enrolment.			
4.Units of study to be completed in fourth Semester of enrolment			

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 17.2.

Table 17.2: Bachelor of Health Science (Physiotherapy)

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
Credit points for award: 24			
Course code SH079 July (Semester 2) start			
Year 1			
Semester 2 (July-December) - Physiotherapy units of study			
Students must select four elective units of study. Availability is subject to enrolment and timetabling constraints.			
SING 4083	Evidence Based Practice	3	Semester 2
SING 4084	Advanced Musculoskeletal Physiotherapy	3	Semester 2
SING 4085	Advanced Cardiopulmonary Physiotherapy	3	Semester 2
SING 4086	Advanced Neurological Physiotherapy	3	Semester 2
<i>Semester 2 total: 12 credit points</i>			
Semester 1 (February-June) - Elective units of study			
Electives 12			
<i>Semester 1 total: 12 credit points</i>			
Elective units of study (see notes below)			
SING 4052	Topics in Physiotherapy Management	3	Semester 1
SING 4062	Health Care Ethics	3	Semester 1, Semester 2

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
SING 4063	Legal Perspectives and Health Care	3						Semester 1, Semester 2
SING 4065	Managing Resources in Health Services	3						Semester 1, Semester 2
SING 4066	Pathophysiology A	3						Semester 1, Semester 2
SING 4067	Pathophysiology B	3						Semester 1, Semester 2

Notes

- Students must select 'Topics in Physiotherapy Management' plus three of the remaining five elective units of study. Choice may be limited by unit availability according to timetable and enrolment constraints.
- Maximum credit point value for non Physiotherapy School elective units is 9.

Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

- A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with A level entry; OR
- 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 17.3.

Table 17.3: Bachelor of Health Science (Occupational Therapy)

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Credit points for award: 24								
Course code SH075 July (Semester 2) start								
Year 1								
Semester 2 (July to December)								
SING 4056	Cognitive & Perceptual Components of OT	3						Semester 1, Semester 2
SING 4057	Advanced Communication Techniques in OT	3						Semester 2
Electives 6								
<i>Semester 2 total: 12 credit points</i>								
Semester 1 (January to June)								
SING 4054	Community Based Programs Development	3						Semester 1
SING 4055	Managing Occupational Therapy Services	3						Semester 1
Electives 6								
<i>Semester 1 total: 12 credit points</i>								
Elective units of study								
Students must select four elective units of study. Availability is subject to enrolments and timetabling constraints.								
SING 4062	Health Care Ethics	3						Semester 1, Semester 2
SING 4063	Legal Perspectives and Health Care	3						Semester 1, Semester 2
SING 4065	Managing Resources in Health Services	3						Semester 1, Semester 2
SING 4066	Pathophysiology A	3						Semester 1, Semester 2
SING 4067	Pathophysiology B	3						Semester 1, Semester 2
SING 4070	Sociology of Work and Organisations	3						Semester 1, Semester 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 17.4.

Table 17.4: Bachelor of Health Science (Medical Radiation Technology)

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
(There will be three semesters for students admitted through admission requirements ii)								
Credit points for award: 24								
Course code SH076 July (Semester 2)start								
Year1								
Semester 2 (July to December)								
SING 4059	Computer Communication in MRT	3						Semester 2
SING 4061	The Quality Perspective Applied to MRT	3						Semester 2
Electives 6								
<i>Semester 2 total: 12 credit points</i>								
Semester 1 (February to June)								
SING 4075	Integrated Diagnosis and Treatment	3						Semester 1
SING 4076	Radiographic Interpretation of Pathology	3		NB: For Diagnostic Radiography students only				Semester 1
SING 4077	Imaging Applications in RT	3		NB: For Radiation Therapy students only				Semester 1
Electives 6								
<i>Semester 1 total: 12 credit points</i>								
Elective units of study								
Students must select four elective units of study. Availability is subject to enrolments and timetabling constraints.								
SING 4062	Health Care Ethics	3						Semester 1, Semester 2
SING 4063	Legal Perspectives and Health Care	3						Semester 1, Semester 2
SING 4068	Research Methods I	3						Semester 1, Semester 2
SING 4069	Research Methods II	3						Semester 1, Semester 2
SING 4064	Patient/Client Education	3						Semester 1, Semester 2
SING 4065	Managing Resources in Health Services	3						Semester 1, Semester 2
SING 4066	Pathophysiology A	3						Semester 1, Semester 2
SING 4067	Pathophysiology B	3						Semester 1, Semester 2
SING 4070	Sociology of Work and Organisations	3						Semester 1, Semester 2
SING 4071	Patient-Practitioner Relationships	3						Semester 1, Semester 2

Bachelor of Health Science (Medical Radiation Technology)

On-shore (Sydney based) - Not offered in 2006

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 Mr John Robinson, School of Medical Radiation Sciences (j.robinson@fhs.usyd.edu.au).

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.

Bachelor of Health Science (Occupational Therapy)

On-shore (Sydney based) - Not offered in 2006

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.

Diplomats 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 outline for the Bachelor of Health Science (Occupational Therapy) course are presented in Table 17.5.

Table 17.5: Bachelor of Health Science (Occupational Therapy)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Credit points for award: 24							
Course code SH089							
Students choose three professional electives of 8 credits points each from the following alternatives:							
OCCP 4055	Adolescent & Family Mental Health	8					Semester 1
OCCP 4056	OT in Learning & Co-ord Difficulties	8					Semester 1
OCCP 4057	Upper Limb / Hand Therapy	8					Semester 1
OCCP 4058	Advanced Communication & Management	8					Semester 1
OCCP 4061	Culture & Communication	8					Semester 1
OCCP 4062	Community Based Rehabilitation	8					Semester 1
OCCP 4063	Evaluation of OT Programs	8					Semester 1
OCCP 4065	Supporting Families/Protecting Children	8					Semester 1
OCCP 4066	The Use of Creative Arts in OT	8					Semester 1
OCCP 4067	Assessing Cognitive Impairments in OT	8					Semester 1
OCCP 4068	OT in Occ Health, Safety & Rehab	8	P OCCP3064 Human Occupations III				Semester 1
OCCP 4075	Mental Health Interventions	8	P OCCP 1091 Components of Occ Performance IA; OCCP2044 Components of Occ Performance IIB; OCCP3066 Components of Occ Performance III				Semester 1
OCCP 4076	Technology for Living	8	NB: Internet activity is required as part of this course.				Semester 1
OCCP 4077	Professional Elective - General	8					Semester 1
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) - Not offered in 2006

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.

Units of study

OCCP 4055 Adolescent & Family Mental Health

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two workshops (Fri/Sat) and one day of presentations. **Assessment:** Journal and presentation.

This unit of study aims to extend the student's knowledge and skill in the area of adolescence and 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 in Learning & Co-ord Difficulties

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. Dr. Chris Chapparo. **Session:** Semester 1. **Classes:** 2x2 hours/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 Kil-lara.

OCCP 4057 Upper Limb / Hand Therapy

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Ms Judy Ranka. **Session:** 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Mr Philip Chan. **Session:** Semester 1. **Classes:** 4 hours/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 & Communication

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Maureen Fitzgerald. **Session:** 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Ms Robyn Twible. **Session:** Semester 1. **Classes:** 2 hours/week. **Assessment:** Various.

Many western trained therapists entering community practice (whether in developing countries 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

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Michelle Donnelly and Dr Maureen Fitzgerald. **Session:** 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/Protecting Children

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. **Session:** 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 will be considered and how students balance the needs of the family, the community, the various systems and their work will be explored.

Textbooks

Details provided on enrolment.

OCCP 4066 The Use of Creative Arts in OT

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT), UG Study Abroad Program. **Session:** 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

Details will be provided on enrolment.

OCCP 4067 Assessing Cognitive Impairments in OT

8 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (OT). Ms Judy Ranka, Ms Chris Chapparo, Mr John Byrne. **Session:** 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 Occ Health, Safety & Rehab

8 credit points. B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program. Dr Ev Innes, Dr Kate O' Loughlin. **Session:** Semester 1. **Classes:** On campus lectures/tutorials. **Prerequisites:** OCCP3064 Human Occupations III. **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 OCCP3064 Human Occupations III 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 4075 Mental Health Interventions

8 credit points. B App Sc (OT), B Hlth Sc (OT). Ms Nicola Hancock and Mr Justin Scanlon. **Session:** Semester 1. **Classes:** Equivalent of 4 hours per week. **Prerequisites:** OCCP 1091 Components of Occ Performance IA; OCCP2044 Components of Occ Performance IIB; OCCP3066 Components of Occ Performance III. **Assessment:** Viva examination plus other assessment consistent with the University and Faculty workload guidelines.

This unit of study will extend the students knowledge and practical intervention skills in mental health clinical practice. Intervention skills and strategies developed will be both generic and occupational therapy specific. There will be a large experiential learning component so that students will develop a practical "how - to" confidence in the clinical application of various techniques with particular consumer populations. In line with current State and National directions, this unit will be guided by principles of wellness and recovery. A range of cognitive focussed interventions, psycho-education, family interventions, early intervention, mental health promotion, relapse prevention, and strategies to develop effective individual rehabilitation plans are some of the techniques and skills students will develop and practice within this unit.

OCCP 4076 Technology for Living

8 credit points. B App Sc (OT), B Hlth Sc (OT). Dr Graeme Smith and Ms Lynda Hutchinson. **Session:** Semester 1. **Classes:** 4 hours per week involving lectures, workshops and visits. **Assessment:** Two written assignments plus a number of audit tasks.

NB: Internet activity is required as part of this course.

This course evaluates various conceptual frameworks that can aid our understanding of the application of this assistive technology. It also examines various assessment tools that are currently in use in different parts of the world. A thorough study of recent literature and research on the application of modern technology will be a key part of the course.

Practical aspects of the course will include demonstrations and hands-on use of modern assistive technologies. Visits will also be undertaken to key assistive technology centres in Sydney.

Both theoretical and practical aspects of the course will come together in a series of case studies, drawn from the real experiences of people with a disability.

Textbooks

No compulsory texts. A selection of journal articles will be made available in Electronic Reserve. Students will be directed to other reference material and research reports available online.

OCCP 4077 Professional Elective - General

8 credit points. B App Sc (OT), B Hlth Sc (OT). **Session:** Semester 1. **Classes:** The mode of delivery will vary depending on the topic. **Assessment:** Two to three pieces of assessment equivalent to 8 credit points.

This unit of study will present a topic for a professional elective that allows students to explore an area of OT practice in depth. The specific topic will be determined from time to time as teaching staff, visiting scholars and resources are available. The unit will extend the learning students have achieved in the topic in the first three years of the course requiring an increase in the depth of student understanding in the topic area than that required in earlier parts of the course.

SING 4052 Topics in Physiotherapy Management

3 credit points. B Hlth Sc (Phy). **Session:** Semester 1. **Classes:** SIM Block mode.

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: 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 4054 Community Based Programs Development

3 credit points. B Hlth Sc (OT). **Session:** Semester 1. **Classes:** SIM block mode.

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 focus on micro skills appropriate for use in community occupational therapy.

SING 4055 Managing Occupational Therapy Services

3 credit points. B Hlth Sc (OT). **Session:** Semester 1. **Classes:** SIM Block mode.

This unit provides students with the opportunity to review current managerial theories and practice which can be applied to the planning, organizing, staffing, leading and continuous quality improvement of occupational therapy services in the Singapore context. Emphasis will be placed on the use of evidence-based health care, and the use of an evidence-based approach to making management decisions at micro and macro levels and in related clinical service delivery.

SING 4056 Cognitive & Perceptual Components of OT

3 credit points. B Hlth Sc (OT). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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 OT

3 credit points. B Hlth Sc (OT). **Session:** Semester 2. **Classes:** SIM Block mode. 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 MRT

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT). **Session:** Semester 2. **Classes:** SIM Block mode.

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 MRT

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT). **Session:** Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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 what is 'personally distinctive' about their own style of teaching.

SING 4065 Managing Resources in Health Services

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

3 credit points. B Hlth Sc (MRT), B Hlth Sc (Nursing). **Session:** Semester 1, 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

3 credit points. B Hlth Sc (MRT), B Hlth Sc (Nursing). **Session:** Semester 1, Semester 2.

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 4070 Sociology of Work and Organisations

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode attendance.

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 Patient-Practitioner Relationships

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (Phy). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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

6 credit points. B Hlth Sc (Nursing). **Session:** Semester 1, Semester 2. **Classes:** SIM Block mode.

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 4075 Integrated Diagnosis and Treatment

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT). **Session:** Semester 1. **Classes:** SIM Block mode.

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

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT). **Session:** Semester 1. **Classes:** SIM Blended delivery. **Assessment:** Written assignments, tutorial exercises.

NB: For Diagnostic Radiography 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 Imaging Applications in RT

3 credit points. B App Sc (Ex & Sp Sc) Hons, B Hlth Sc (MRT). **Session:** Semester 1. **Classes:** Blended delivery. **Assessment:** Written assignments, tutorial exercises.

NB: For 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.

SING 4083 Evidence Based Practice

3 credit points. B Hlth Sc (Phy). **Session:** Semester 2. **Classes:** SIM Block mode.

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 4084 Advanced Musculoskeletal Physiotherapy

3 credit points. B Hlth Sc (Phy). **Session:** Semester 2. **Classes:** SIM Block mode.

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of musculoskeletal physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

SING 4085 Advanced Cardiopulmonary Physiotherapy

3 credit points. B Hlth Sc (Phy). **Session:** Semester 2. **Classes:** SIM Block mode.

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of cardiopulmonary physiotherapy. Where appropriate, the student will be encouraged

to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

SING 4086 Advanced Neurological Physiotherapy

3 credit points. B Hlth Sc (Phy). **Session:** Semester 2. **Classes:** SIM Block mode.

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of neurological physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

SING 4087 Nursing and Health Assessment

6 credit points. B Hlth Sc (Nursing). **Session:** Semester 1, 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 4088 Nursing in Complex Clinical Situations

6 credit points. B Hlth Sc (Nursing). **Session:** Semester 1, 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.

18. Undergraduate elective units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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
AHCD	Yooroang Garang: School of Indigenous Health Studies	T409	+612 93519393
BACH	School of Behavioural and Community Health Sciences	G101	+612 93519228
BIOS	School of Biomedical Sciences	S202	+612 93519455
CSCD	School of Communication Sciences and Disorders	S101	+612 93519450
EXSS	School of Exercise and Sport Science	K213	+612 93519612
HIMT	School of Health Information Management	T301	+612 93519494
MRTY	School of Medical Radiation Sciences	M201	+612 93519640
OCCP	School of Occupation and Leisure Sciences	J101	+612 93519386
ORTH	School of Applied Vision Sciences	T326	+612 93519250
PHTY	School of Physiotherapy	O100	+612 93519273
REHB	School of Behavioural and Community Health Sciences	G101	+612 93519123

Faculty Electives

BACH 1100 Sociology of Community

3 credit points. B App Sc (Leis&Hlth), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sc, B Hlth Sc (MRT) Rad Therapy, B Hlth Sc (Hons), B Hlth Sc (MRT)Diag Rady, B Hlth Sc (Rehab Cing), B Hlth Sc (Rehab. Dr Ian Hughes. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** BACH1130 Foundations of Health Sociology or BACH1134 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/Stats

3 credit points. **Session:** Semester 1, 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

3 credit points. B App Sc (Hlth Inf Mgt), B Hlth Sc, UG Study Abroad Program. Dr

Barbara Adamson. **Session:** Semester 2. **Classes:** 3 hours/week for 10 weeks. **Prerequisites:** BACH2091 Social Psychology (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.

Textbooks

Manual, key references

BACH 2038 Health and Social Theory

6 credit points. B B Hlth Sc, B B Hlth Sc, M N, B Hlth Sc, UG Study Abroad Program. Gina Anderson. **Session:** Semester 1. **Classes:** On campus 4 hours/week. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry. **Assessment:** Three Assessments 6000 word equivalent.

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 sociological theoretical approaches which may include Marx, Weber, Goffman, Habermas, Foucault and Virchow. This unit will provide conceptual tools and explore the practical application of social theory to the health context. Skills will be developed in identifying the social origins of illness and treating illness as a social process.

Textbooks

selected readings (reader)

BACH 3055 Cognitive Neuropsychology II

3 credit points. B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program. Assoc Prof Lynne Harris. **Session:** Semester 2. **Prerequisites:** BACH2109 Cognitive Neuropsychology I. **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

4 credit points. B App Sc (OT) Hons, B App Sc (Ex &Sp Sc), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr Barbara Adamson. **Session:** Semester 1. **Classes:** On campus 3 hours/week. **Assessment:** Continuous assessment.

NB: Department permission required for enrolment.

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.

Textbooks

Manual with key reference material and references

BACH 3081 Sociology of Sport

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Ian Andrews. **Session:** Semester 2. **Classes:** On-campus 2 hours/week. **Prerequisites:** BACH1130 Foundations of Health Sociology or BACH1134 Health, Illness and Social Inquiry. **Prohibitions:** BACH3130 Sport, Society and Social Theory. **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

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad. Dr Rosemary Cant or Dr Zakia Hossain. **Session:** Semester 1. **Prerequisites:** BACH1130 Foundations of Health Sociology, or BACH 1098 Introduction to Health Sociology, BACH1134 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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, UG Study Abroad Program. Rose Leontini. **Session:** Semester 1. **Classes:** On campus lectures and seminars. **Prerequisites:** BACH1134 Health, Illness & Social Inquiry, BACH1130 Foundations of Health Sociology, BACH 1098 Introduction to Health Sociology or BACH2038 Health & Social Theory. **Assessment:** Weekly Journal (50%) and essay due Week 13 (50%).

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.

BACH 3120 Self, Society and Mental Health

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons). Ian Andrews. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** BACH1134 Health, Illness and Social Inquiry or BACH 1130 Foundations of Health Sociology or BACH 1098 Introduction to Health Sociology. **Assessment:** Assignment and Examination.

This unit examines the nature of the self in the modern world, and assesses various strategies for shaping and controlling the process of self-formation. These aims are addressed through the application of a range of sociological theories and concepts. Topics covered include: the social nature of the self, and the process of socialisation; the social origins of mental illness in general, and suicide in particular; the contrasting epistemologies of psychiatry, psychology, and assorted forms of psychotherapy; the social construction of madness, and the anti-psychiatry movement; psychoanalytic views on the self and society; the aims and limitations of 'self-help' and 'personal development' discourses; and the role of narrative in the formation of self-identity. Throughout the unit, students will be encouraged to reflexively apply to their own lives the theoretical perspectives that are covered, with a view to illuminating their own biography and sense of self.

Textbooks

Book of readings will be available

BACH 3135 Occupational Health and Stress

3 credit points. B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Carol O'Donnell. **Session:** 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. Students

will learn how to identify and control work related risks in this context.

BACH 3146 Cyberpsychology and e-Health

6 credit points. B B Hlth Sc, B Hlth Sc, B Hlth Sc (Rehab Cng), UG Study Abroad Program. Dr Andrew Campbell. **Session:** Semester 1, Semester 2. **Classes:** On Campus. **Assessment:** Assignment 1 - (1000 words) on reviewing existing Online Health Services (25%). Assignment 2 - (1000 words) on the benefits/problems of online Mental Health provision (25%). Assignment 3 - (2000 words) on the ethics and improvement of online Health and/or Mental Health resources and services (50%).

NB: Limited to 60 Students

This Faculty elective is delivered to encompass the broader scope of Health topics online and how Information Technology impacts on behaviour and health.

Cyberpsychology and e-Health aims to educate those seeking careers in allied health on how societal and individual health is both affected and addressed by the Internet. The course will be based on guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of Information technology in the following areas:

1. Allied Health e-training.
2. Ethics and practice of online pharmacies.
3. Telemedicine.
4. Provision of psychological therapy over the Internet.
5. Online health testing and research
6. Online health and psychological resources and quality control of such resources.
7. Future directions focused on improving health and mental health resources using Information Technology.

Textbooks

No set Textbook but recommended Reading Lists will be provided.

BACH 4067 Occupational Health and Stress

4 credit points. B App Sc (OT) Hons, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Carol O'Donnell. **Session:** 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.

BIOS 3060 Clinical Neuroscience

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), UG Study Abroad Program. Dr John Burne. **Session:** 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)

Textbooks

A reading list will be provided.

BIOS 3065 Anatomical Analysis of Exercise

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B Hlth Sc, UG Study Abroad Program. Dr. Karen Ginn. **Session:** Semester 2. **Classes:** on-campus - limit of 50 students. **Prerequisites:** BIOS 1136 Functional Anatomy A or BIOS 1144

Functional Anatomy B. **Assessment:** Formative assessment during practical classes and tutorials. Summative assessment: group project and presentation (80%); contribution to class activities (20%).

NB: If student demand exceeds unit of study student limit, preference will be given to students who have achieved graded passes in prerequisite units of study.

This unit of study will extend the students' knowledge of functional musculoskeletal anatomy by applying functional anatomy principles to the analysis of exercises. Relevant research and advanced knowledge of functional musculoskeletal anatomical concepts will be used to explore exercises designed to: strengthen and lengthen specific muscles; improve muscle coordination; develop dynamic stability; and prevent the development of muscle imbalances that may contribute to musculoskeletal injury. The application of musculoskeletal anatomy principles to increase exercise difficulty and variety will also be explored. This unit will include laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 4035 Sexuality for Health Professionals

3 credit points. B App Sc (OT) Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, Cross Institute, Dr Patricia Weerakoon. **Session:** Semester 1, Semester 2. **Classes:** This unit is offered on-line. Attendance on campus is required only for the first session in week one of the semester. **Assessment:** Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This elective is only available to students in Year 2 or higher.

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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, Health Sciences PG Non Award, UG Study Abroad Program. Dr Peter Knight. **Session:** 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

1 credit point. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), Health Sciences PG Non Award, UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 1. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. **Corequisites:** BIOS4036 Biology of Ageing. **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

3 credit points. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc. Dr Peter Knight. **Session:** 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

1 credit point. B App Sc (OT) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. Dr Peter Knight. **Session:** Semester 2. **Classes:** Presented in flexible mode, comprising learning packages and readings, seminar presentations. **Corequisites:** BIOS4038 Health, Disease and Ageing. **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 Alternative Health Care

2 credit points. Dr. Meg Stuart. **Session:** Semester 1, Semester 2. **Classes:** This unit 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). **Assessment:** Two group work submissions on-line and an individual presentation in week 13.

NB: This elective is available only to students who are enrolled in Year 2 or higher in their professional training.

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 4046 Clinical Physics

3 credit points. B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Gil Vella. **Session:** Semester 2.
Prerequisites: BIOS1119 Introductory Radiation Physics 1A and BIOS1120 Introductory Radiation Physics 1B, 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 eeg; 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.

Textbooks

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

BIOS 4047 Body Systems & Human Function

3 credit points. B Hlth Sc (Hons), UG Study Abroad Program. Dr Jennifer Lingard. **Session:** 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 1030 Sport First Aid/Trainer

3 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. Dr Margaret Torode. **Session:** Semester 2, Semester 1. Classes: Total 3 hours per week. **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 1032 Fundamentals of Exercise Science

6 credit points. B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, B Hlth Sc, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Practical skills mastery, Mid semester exam, end semester exam.

This unit encompasses the fundamental principles and practices of exercise science and the use and process of scientific measurement and analysis. The student will gain an understanding of the application of these fields to the assessment and development of physical fitness. The unit examines the energetics of exercise, measurement of human work performance and exercise responses in the laboratory, and the assessment of aerobic fitness. Results acquired in laboratory sessions will be used to examine measurement and data quality, data analysis and the presentation of data in both a graphical and written format.

EXSS 2026 Growth, Development and Ageing

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Mid-semester exam, End-semester exam.

This unit of study aims to provide the student with an appreciation of growth, development and ageing of the human across the lifespan. Physiologic changes, motor skill development and physical performance will be examined and related to morphology and stages of childhood and adolescent growth. The relationships between growth, development, gender and physical activity will be explored. The biological changes and consequences of ageing on physiologic and psychological health, disease and exercise capacity will be investigated.

ated. The student will also be able to gain an understanding of exercise prescription for pregnant women, children, adolescents and older adults.

EXSS 3018 Management, Marketing and the Law

4 credit points. B App Sc (OT) Hons, B App Sc (Ex & Sp Sc), B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Assignment, End semester exam.

NB: Department permission required for enrolment.

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

3 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B B Hlth Sc, B Hlth Sc, UG Study Abroad Program. Ms Michelle Bramley (02) 9351 9451. **Session:** Semester 1. Classes: On-campus attendance, day classes. **Assessment:** Assignment and final examination.

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

4 credit points. B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B Hlth Sc, UG Study Abroad Program. Dr Aditi Dey (02) 9351 9058. **Session:** Semester 2.

Classes: 2 hours lectures + one hour tutorials. **Assessment:** Assignments/examination.
 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

3 credit points. B App Sc (OT) Hons, B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt) Hons, B App Sc (OT), B App Sc (Phy), B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Joanne Callen/Linda Ernst (02) 9351 9558. **Session:** Semester 1. Classes: On-campus attendance for 3 day block. **Assessment:** Assignments.

NB: Department permission required for enrolment.

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 3056 Rehabilitation in Childhood

3 credit points. B App Sc (Orth), B App Sc (Orth). **Session:** Semester 2. **Assumed Knowledge:** Normal paediatric development, embryology.

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.

REHB 3062 Public Offenders: Criminality & Rehab

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 2. Classes: 2 hours per week. **Assessment:** Mid semester Exam 40%, Essay (2000 words) 60%.

This Unit introduces students to issues relating to the rehabilitation of public offenders including adults (males and females) and youth offenders. Students will study the major theories of criminality and community attitudes impacting on government approaches to rehabilitation and incarceration policy. The unit will examine the different approaches and policies to the incarceration of adult males and females and young people and the goals of these approaches. Special

attention will be paid to examining the nature of the objectives and desired outcomes of incarceration.

Students will analyse the roles and functions of personnel employed within the prison system, including that of custodial personnel and professional workers. In particular the unit will look at the various health issues associated with public offender rehabilitation, including drug addiction, mental illness and HIV/AIDS, the health services available within the prisons and the role played by the various health professionals employed to deal with such problems.

Students will also be introduced to the Probation and Parole System and to the various alternative to full-time incarceration, including community service, day release, work release, and week end detention. They will examine the aims and objectives of these alternatives and the roles and functions of professional workers (including health workers) employed to administer these programs.

Textbooks

Course will be supplied with Study Notes and Readings

REHB 3063 Disability, Work and Quality of Life

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cln), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Marcia Underwood. **Session:** Semester 1. **Classes:** 2 hours per week. **Assessment:** Class exercise (multiple choice and short answer) 25%, group presentation and summary report (500 words) 25% and log book (2,000 words) 50%.

This unit will provide students with a sound understanding and awareness of disability and social disadvantage issues in today's society, viewed from the perspective of the consumer, the health professional and society. It will explore the primary causes of the major categories of disability and social disadvantage together with indicators and research findings of social and vocational alienation within communities.

The subject will further investigate the role of rehabilitation in light of the physical, social and psychological consequences and impacts of disability and social disadvantage (both positive and negative) particularly in relation to work, education, quality of life and community integration. We will explore the stages of change and the significance of attitude, perceptions, group norms and the role of significant others.

Textbooks

Course will be supplied with Study Notes and Readings

REHB 3064 Alcohol and Drug Misuse Rehabilitation

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cln), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 1. **Classes:** 2 hours per week. **Assessment:** Mid Semester Exercise and Report (Max 1,500 words) 40% Essay (2000 words) 60%.

This Unit introduces students to issues relating to a major public health problem: the misuse of alcohol and other addictive drugs.

The unit introduces students to two major aspects of this area;

1. Issues relating to the development of health prevention/health promotion policy, covering the philosophies of harm minimisation and zero tolerance.

2. Approaches to rehabilitation and treatment of those overusing both alcohol and other drugs.

The unit commences with an analysis of public health policy approaches to the rehabilitation and treatment of people overusing alcohol and other harmful drugs. Students will be required to undertake an exercise involving an analysis of the effectiveness of the two major policy approaches to the problem of drug overuse and abuse - harm reduction and zero tolerance. They will be required to examine the evidence supporting these two approaches to public health policy. In the second part of the unit students will study the major therapeutic approaches to treatment and rehabilitation. This will include familiarisation with Alcoholics Anonymous, clinically based approaches including Transactional Analysis and other group therapy oriented approaches, the various behavioural therapies, Therapeutic Communities, Methadone Maintenance, needle exchange and recent trials in safe injection facilities. They will become familiar with the nature of services offered, the role of the various health professional in these services and the nature of effective treatment and rehabilitation outcomes.

Textbooks

Study Notes provided with references

REHB 3065 PTSD and Rehabilitation

6 credit points. B Hlth Sc, B Hlth Sc (Rehab Cln), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Lynda Matthews. **Session:** Semester 1, Semester 2. **Classes:** Distance education students will be provided with module notes, readings and exercises. **Assessment:** Take home exam 40%, Research report (2000 words) 60%.

NB: Enrolment is limited to 40

This unit introduces the clinical entity of posttraumatic stress disorder (PTSD). Students will learn about the history, nature and presentation of the disorder. Major theoretical approaches to treatment and

rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented. Students will examine the contributions of a range of health care/rehab professionals to the case management of people with PTSD. Students will have the opportunity to extend their knowledge of PTSD through the completion of a specialised research report

Research Electives

BACH 3101 Introductory Epidemiological Methods

3 credit points. B Hlth Sc, UG Study Abroad Program. Dr Kaye Brock. **Session:** 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 determinants 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

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** HMT3032 Epidemiology.

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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Kaye Brock. **Session:** Semester 2. **Prerequisites:** HMT3032 Epidemiology.

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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Ian Hughes. **Session:** Semester 2. **Classes:** Web based learning. No on-campus attendance required.

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 and Philosophy of Science

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Ian Hughes. **Session:** 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cln), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Ian Hughes. **Session:** Semester 1. **Classes:** Web based independent learning. No on-campus attendance required. **Assessment:** Project based and interactive continuous assessment.

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.

Textbooks

www.fhs.usyd.edu.au/arow

BACH 4043 Intermediate Statistics

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (Hlth Inf Mgt) Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, UG Study Abroad Program. Dr Peter Choo. **Session:** Semester 2. **Classes:** On campus 3 hours/week. **Prerequisites:**

BACH 1027 Research Methods 1 and BACH1118 Research Methods II: Data Analysis/Stats or BACH1139 Health and Research Design - General, or equivalent. **Assessment:** Written assignments and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in previous Research Methods units. 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

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab CIng), B Hlth Sc (Rehab CIng) Hons, UG Study Abroad Program. Assoc Prof Cherry Russell. **Session:** Semester 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; students also work on a research project of their choice throughout the semester.

Textbooks
Course reader.

BACH 4046 Survey Research Methods

3 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab CIng) Hons, UG Study Abroad Program. Dr Kate O' Loughlin. **Session:** 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

4 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B App Sc (Orth), B App Sc (Orth) Hons, B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc, B Hlth Sc (Hons), B Hlth Sc (Rehab CIng) Hons, UG Study Abroad Program. Dr. Kaye Brock. **Session:** Semester 1, Semester 2. **Classes:** On campus Mondays 5-8 pm in Semester 1. Also available off campus mode in Semester 1 or 2. 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

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** BACH1139 Health and Research Design - General (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

3 credit points. B App Sc (MRS) Rad Thpy, UG Study Abroad Program. Dr Kaye Brock. **Session:** Semester 1. **Assumed Knowledge:** BACH2115 Research Methods I (or equivalent).

Behavioural Epidemiology is the study of the distribution and determinants of 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

3 credit points. B Hlth Sc, B Hlth Sc (Hons), UG Study Abroad Program. **Session:** Semester 1. **Assumed Knowledge:** BACH1139 Health and Research Design - General, or equivalent. **Prerequisites:** HlMT3032 Epidemiology.

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.

19. Postgraduate studies

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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

- Master of Orthoptics
- Master of Applied Science (Orthoptics)

School of Behavioural and Community 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

- Graduate Diploma in Communication Disorders
- Master of Health Science (Speech-Language Pathology)
- Master of 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 Exercise and Sport Science
- Master of Applied Science (Exercise and Sport Science)

School of Health Information Management

- Graduate Certificate of Health Science (Casemix)
- 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 organisations.

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 research 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 websites. To access this information visit the Faculty of Health Sciences website (<http://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 coursework component of the course is given in Table 19.1.

Table 19.1: Doctor of Health Science

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SBO17							
Full-time, minimum 3 years, maximum 4 years							
Part-time, minimum 6 years, maximum 8 years							
Off-campus, part-time, minimum 6 years, maximum 8 years							
Off-campus, full-time, minimum 3 years, maximum 4 years							
Full-time mode							
Year 1 (Coursework)							
Semester 1							
DHSC 7001	Theory in the Health Professions	6					Semester 1
DHSC 7003	Foundations for Doctoral Studies	6					Semester 1
2 Electives							
Semester 2							
DHSC 7002	Research & Inquiry in Health Professions	6	P DHSC7001 Theory in Health Professions and DHSC7003 Foundations for Doctoral Studies				Semester 2
3 Electives							
Years 2 and 3 (Research Thesis)							
Part-time mode							
Year 1 (Coursework)							
Semester 1							

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session		
DHSC 7001	Theory in the Health Professions	6		Semester 1
DHSC 7003	Foundations for Doctoral Studies	6		Semester 1
Semester 2				
DHSC 7002	Research & Inquiry in Health Professions	6	P DHSC7001 Theory in Health Professions and DHSC7003 Foundations for Doctoral Studies	Semester 2
1 Elective				
Year 2 (Coursework)				
Semester 1				
2 Electives				
Semester 2				
2 Electives				
Year 3 and subsequent years (Research Thesis)				

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:

DHSC7001 Theory in the Health Professions
DHSC7002 Research and Inquiry in the Health Professions, and
DHSC7003 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 31.

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 supervisors. 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 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 accordance with University policy, the Dean will also 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.

Examination

The examination will be conducted according to the procedures for the PhD.

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:

Associate Professor Barbara Adamson
Academic Coordinator
Phone: +61 2 9351 9579
Fax: +61 2 9351 9540
Email: b.adamson@fhs.usyd.edu.au

Administrative Assistant

Phone: +61 2 9351 9220
Fax: +61 2 9351 9540
Email: w.manuel@fhs.usyd.edu.au

DHSC 7001 Theory in the Health Professions

6 credit points. **Session:** Cumb Sem 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 & Inquiry in Health Professions

6 credit points. **Session:** Cumb Sem 2. **Classes:** On-campus or 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

6 credit points. Dr Ian Hughes, i.hughes@fhs.usyd.edu.au. **Session:** Cumb Sem 1, Cumb Sem 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 - SC057

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 Australian Stuttering Research Centre.

The Centre will select from among the applicants who meet the entry requirements.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

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: +61 2 9351 9061

Fax: +61 2 9351 9392

Email: m.onslow@fhs.usyd.edu.au

Web: www.fhs.usyd.edu.au/asrc (<http://www.fhs.usyd.edu.au/asrc>)

Master of Applied Science by Research - SCI 08

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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the 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,

- (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:
- undertakes the prescribed course of study for the degree, and
 - completes the prescribed program of the research thesis which involves original investigation or review, and
 - 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:
- 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
 - 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:
- 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
 - 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 supervisors. In the case of part-time students, the Faculty may appoint associate 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 Research Training Sub-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

- On completion of studies, a Master's degree candidate will submit a thesis which complies with the following requirements:
 - The greater proportion of the work described must have been completed subsequent to initial enrolment, and
 - It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and
 - It must be written in English or in a language approved by the Faculty and reach a satisfactory standard of literary presentation.
- The thesis shall consist of the candidate's own account of his/ her work. In special cases work done jointly with other persons

may be accepted provided the Faculty is satisfied with the candidate's part in the joint work.

- Every candidate shall submit with the thesis a short abstract of the thesis comprising of not more than 300 words.
- 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.
- The candidate shall give in writing two months' notice of the intention to submit the thesis.
- Two copies of the thesis shall be prepared by the candidate.
 - The thesis shall be submitted to the Head, Student Administration (Cumberland) with a certificate signed by the supervisors certifying that the form of presentation in the candidate's thesis is satisfactory.
 - If the Head of School/Centre declines to accept the thesis, the supervisor may appeal in writing to the Research Training Sub-Committee.
 - 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 Research Training Sub-Committee.

Examination of thesis

- 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.
- 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).
- 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.
- The report of examiners shall be forwarded to the Head of School/Centre for recommendation to the Research Training Sub-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.
- Following a resolution regarding the thesis by the Research Training Subcommittee, the examiners' reports may be released to the candidate by the relevant Head of School/Centre.

Cross-college coursework courses - Graduate Studies in Developmental Disability

The Graduate Programs in Developmental Disability provide flexible multi-disciplinary education for professionals in the rapidly developing field of developmental disabilities. The program, unique in Australia, is a joint initiative of the Centre for Developmental Disability Studies and the College of Health Sciences, University of Sydney. Developed and presented by a multidisciplinary team of developmental disability researchers and practitioners, the program offers students the opportunity to:

- Consider issues facing people with developmental disability, their families and carers from a scholarly perspective;
- Challenge their own discipline and contribute to multidisciplinary practice which affords respect to individuals with developmental disability, their families, advocates and carers;
- Learn together with students from a range of disciplines keen to advance their knowledge and skills to provide intellectual leadership to the field;
- Develop specialist skills underpinned by theory, scholarship and research in the field of developmental disabilities;
- Gain a postgraduate credential indicating a specialisation in the developmental disability field.

It is expected that intending students will be competent practitioners in their chosen professions. The program welcomes medical, nursing, dental, allied health, social work, behavioural science, educational and other professionals interested in extending their professional development to respond to the leadership challenges of this sector. The program is not intended to be profession specific, rather it is premised on interdisciplinary and multidisciplinary approaches to educating specialists in the social, community, health, educational and personal care and support needs of people with developmental disabilities and their families. This course aims to provide post graduate professional development for the diverse range of professionals who have chosen to develop specialised expertise in understanding and addressing the diverse needs and interests of people with developmental disabilities and their families. The course supports the development of the highest standards of academic and clinical skills through an emphasis on systematic research, critique and analysis of theoretical, social, contextual, policy and practice frameworks and methodologies.

Enrolment in the graduate programs in developmental disability is open to applicants with a bachelor's degree in an area of occupational relevance such as health, medicine, education, welfare, law, behavioural, social or biomedical sciences.

The core unit of study, GSDD 5001 Critical Issues Developmental 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 medical, nursing, dental, allied health, social work,

behavioural science, educational and other professions to gain a graduate credential in the developmental disability field within the framework and principles of adult and independent learning. The core unit of study is conducted by distance education (off-campus) and online. There is a choice of off-campus units of study as well as on-campus units. It is possible to complete the entire program at a distance according to your professional and educational needs and interests.

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 a computer with Internet connection is essential for participation.

Course outline

The compulsory core unit, GSDD5001 Critical Issues-Developmental Disability, will ordinarily be undertaken in the first semester along with the required units from the Developmental Disability Studies Stream.

The course outline for the Graduate Certificate of Health Science (Developmental Disability) course is presented in Table 19.2.

Table 19.2: Graduate Certificate of Health Science (Developmental Disability)

<i>Unit of Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code: SG028, Credit points for award: 24	
Off-campus	
Full-time, 1 semester; Part-time, 2 semesters	
GSDD 5001 Critical Issues-Developmental Disability 6	Semester 2, Semester 1
Electives Developmental Disability Studies stream ^{A2} 12	
Electives ^{A3} 6	
Notes	
1. Critical Issues in Developmental Disability must be taken in the first semester of enrolment.	
2. Choose electives totalling a minimum of 12 credit points from the Developmental Disability Studies stream units	
3. Choose electives up to 6 credit points, relevant to specialisation, from across the Faculty or University.	

Master of Health Science (Developmental Disability) Pass and Honours These programs are designed for medical, nursing, dental, allied health, social work, behavioural science, educational and other professionals to develop, at an advanced level, the ability 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 core unit of study is conducted by distance education (off-campus) and online. There is a choice of off-campus units of study as well as on-campus units. It is possible to complete the entire program at a distance according to your professional and educational needs and interests.

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 a computer with internet connection is essential for participation.

Master of Health Science (Developmental Disability) Honours

Students in the Master's program who have achieved 65 per cent (Credit) or better in all units of study and 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 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.

Course outline

The core unit GSDD5001 Critical Issues - Developmental Disability, plus at least two units from the Developmental Disability Studies

stream will ordinarily be undertaken in the first semester. The course outlines for the Master of Health Science (Developmental Disability)

Pass and Honours courses are presented in Tables 19.3 and 19.3.1.

Table 19.3: Master of Health Science (Developmental Disability) Pass course

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>	
Course code: SCI07, Credit points for award: 48			
Off-campus			
Full-time, 2 semesters; Part-time, 4 semesters			
GSDD 5001	Critical Issues-Developmental Disability	6	Semester 2, Semester 1
Electives Developmental Disability Studies stream ^A 2 24			
Electives ^A 3 18			
Notes			
1. Critical Issues in Developmental Disability must be taken in the first semester of enrolment.			
2. Choose electives totalling a minimum of 24 credit points from the Developmental Disability Studies stream units (see list below).			
3. Choose electives up to 18 credit points, relevant to specialisation, from across the Faculty or University.			

Table 19.3.1: Master of Health Science (Developmental Disability) Honours

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>	
Course code: SCI 11, Credit points for award: 12			
Off-campus, Full-time, 1 semester			
Off-campus, Part-time, 2 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2 Honours (1 Semester)			
GSDD 5009	Dissertation	12	Semester 1, Semester 2
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3 Honours (1 Semester)			
GSDD 5009	Dissertation	12	Semester 1, Semester 2
The Dissertation will normally be completed in the Semester immediately following completion of all the coursework.			
Unit code		Unit name	
Developmental Disability Studies Stream			
Semester 1			
EDPD 5001		Students with Special Education Needs	
GSDD 5007		Communication Developmental Disability	
GSDD 5013		Community Living	
Semester 2			
EDPD 5011		Integration Process	
GSDD 5012		Behavioural Support and Quality of Life	
GSDD 5015		Physical Health-Developmental Disability	
GSDD 5016		Sexuality and Developmental Disability	
Semester 1 or Semester 2			
BACH 5041		Introduction to Gerontology	

BACH 5147	Psychology of Ageing
BACH 5148	Health Policy and Social Theory
BACH 5186	Professional Development Skills
BACH 5268	Developing a Research Project
BACH 5289	Disability and the Community
BIOS 5018	Health, Dysfunction and Ageing
GSDD 5001	Critical Issues - Developmental Disability (compulsory)
GSDD 5006	Inquiry Topic
GSDD 5009	Dissertation
GSDD 5014	Parenting with a Developmental Disability
OCCP5138	Specialised Seating

Note: Units of study will vary from year to year. Please contact Ms Catherine Maramara on +61 2 9351 9383 (c.maramara@fhs.usyd.edu.au) or Dr Susan Balandin on +61 2 93519334 (s.balandin@fhs.usyd.edu.au) for details of units of study currently on offer and available on enrolment.

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 31), 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.

Units of study

BACH 5041 Introduction to Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 5147 Psychology of Ageing

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Steve Cumming and Assoc Prof Lynne Harris. **Session:** 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 interrelationship 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr. Toni Schofield (02) 9351 9577 email T.Schofield@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 issues 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 Professional Development Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email V.Neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education: no on-campus attendance required. **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 analysis, 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. Oyer, P. (1996). Buckingham, England. Open University Press.
2. Get Great Information Fast. Germov, J. and Williams, L. (1999). Sydney: Allen and Unwin.

BACH 5268 Developing A Research Project

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cln), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus
Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

BACH 5289 Disability and the Community

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Ms Rosemary Pynor, email R.Pynor@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Contract learning: on-campus attendance not required. The aim of this unit of study is to challenge students' understanding of disability. Definitions and models of disability will be examined in terms of how they affect community attitudes toward disability. The unit provides an insight into the life experiences and social position of disabled people from their own perspective. Students will be encouraged to focus their study on a particular segment of the community (ie health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie women, children or people with a specific condition). Some of the topics covered will be definitions of disability, models of disability, attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BIOS 5018 Health, Dysfunction and Ageing

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), PG Coursework Exchange. Dr Dana Strain (02) 9351 9140. emailD.Strain@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web CT. **Assessment:** Written assignment, Semesters 1 and 2, independent study. This unit aims to provide an understanding of the factors responsible for the increased prevalence, with age, of certain diseases and syndromes / disorders, especially those with a tendency to become disabling. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented or resulting to further disability. The unit also provides an in-depth study of a specific aspect of individual student interest.

EDPD 5001 Students with Special Educational Needs

6 credit points. Ed D, Grad Cert Ed Studies, Grad Cert Hlth Sc (D D), Grad Dip Ed Studies, M Ed, M Ed (Res), M Hlth Sc (D D), M Phil (Education), PG Coursework Exchange, PG Summer/Winter School. **Session:** Semester 1, S2 Intensive, Summer. *NB: Department permission required for enrolment.* It is intended that this unit of study will examine the general and specific characteristics and learning requirements of children with intellectual, physical, language, sensory, learning, behavioural and/or emotional disabilities and an understanding of disability issues, legislation and policy, with a particular emphasis on NSW policies, documents and handbooks. Through the study and discussion of theory and research related to such disabilities and issues, students will be guided more explicitly to an understanding and critical evaluation of research literature in these fields, focusing particularly upon the cognitive, effective, social, and behavioural needs and characteristics of such children. This focus is intended to enable the reading of professional publications with understanding, and to develop skills of critical review and analysis necessary for the evaluation of research in the field.

EDPD 5011 Integration Process

6 credit points. Ed D, Grad Cert Ed Studies, Grad Cert Hlth Sc (D D), Grad Dip Ed Studies, M Ed, M Ed (Res), M Hlth Sc (D D), M Phil (Education), PG Coursework Exchange. **Session:** Semester 2. This unit will critically examine the process, models, educational policies and strategies proposed for the integration and inclusion of students with special needs into the regular classroom and the community. The shift in the debate from whether or not integration should take place to the acceptance of the principles of integration and inclusion, and the consequent debates concerning strategies for the implementation and inclusion are major discussion topics. Issues such as the most effective curriculum structures and the hidden curriculum within integration and inclusion will be raised. The strong movement towards full inclusion of people with disabilities, both in schools and the community, will be explored, together with an examination of the barriers to full inclusion, such as stigma and negative attitudes towards disability, the service delivery structures in schools and community services, the cost factor and appropriate levels of training for all staff involved.

GSDD 5001 Critical Issues-Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange. Professor Trevor Parmenter (02) 88780500. **Session:** Semester 2, Semester 1. **Classes:** Off campus mode with block attendance at pre-course workshop, online and distance education. **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 5006 Inquiry Topic

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange. Professor Trevor Parmenter (02) 8078 0500, Professor Gwynneth Llewellyn (02) 9351 9213. **Session:** Semester 1, Semester 2. **Classes:** Online and Distance education, 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 5007 Communication & Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), Bronwyn Hemsley. **Session:** Semester 1. **Classes:** Off campus mode. **Assessment:** Group assignment and case study.

This unit introduces students to the empirical literature on communication issues for people with life long disability. Students will be introduced to the communication issues that impact on the lives of people with lifelong disability and those who support them, functional communication assessment and intervention strategies, and the importance of multi modal communication systems in facilitating community participation. Students will have the opportunity in a two day workshop to learn (1) the basic principles of augmentative and alternative communication (AAC) (2) the importance of involving and training communication partners in AAC assessment and interventions, including key word signing. Adults who use AAC, parents, and clinicians will participate in the design, presentation and evaluation of the unit of study and share their stories that relate to communication issues.

GSDD 5009 Dissertation

12 credit points. M Hlth Sc (D D), M Hlth Sc (D D)Hons, PG Coursework Exchange. Prof. Trevor Parmenter (02) 8878 0500, Prof. Gwynneth Llewellyn (02) 9351 9213.

Session: Semester 1, Semester 2. **Classes:** Off campus with independent directed study, online and distance education. **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 5012 Positive Behaviour Support: Promoting QOL

6 credit points. Grad Cert Hlth Sc (A A C), Grad Cert Hlth Sc (D D), Grad Dip Hlth Sc (AAC), M Hlth Sc (AAC), M Hlth Sc (DD). Keith R. McVilly (Clinical Psychologist & Research Fellow), Centre for Developmental Disability Studies (02) 8878 0500.

Session: Semester 2. **Classes:** On-line, distance education. **Assessment:** Individual reports.

This unit provides students with a contemporary understanding of assessment, intervention and intervention evaluation techniques relevant to the support of people with disability whose behaviour is challenging. 'Challenging behaviour' is understood to denote any behaviour that is a barrier to the person participating in and contributing to their community; that undermines the person's rights, dignity and quality of life; and poses a risk to their health and safety and/or the safety of those with whom they live or work. Assessment methodologies and intervention techniques covered will include ecological, functional and clinical approaches. Legal and ethical issues will also be addressed. Multi-disciplinary approaches and education for family members and staff providing direct support will be discussed.

GSDD 5013 Community Living

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D). Dr Roger Stancliffe, Senior Research Fellow, Centre for Developmental Disability Studies (02) 8878 0500. **Session:** Semester 1. **Classes:** On-line, distance education. **Assessment:** Individual reports. 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.

GSDD 5014 Parenting with Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange. Dr David McConnell (02) 9351 9370 and Professor Gwynneth Llewellyn (02) 9351 9213. **Session:** Semester 1, Semester 2. **Classes:** Online and Distance education. **Assessment:** Group assignment/presentation and individual report. This unit introduces students to the challenges and achievements typically found in the lives of parents with a developmental disability and their children. Students will critically examine 'popular' and professional narratives about, and responses to parents with a developmental disability. Students will become familiar with the empirical literature on parenting with a developmental disability, including but not limited to evidence-based parent education and family support strategies. Students will apply this knowledge to identify service gaps, and opportunities in their own local area to promote the health and wellbeing of families headed by a parent with a developmental disability.

GSDD 5015 Physical Health-Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D). Dr Seeta Durvasula (Lecturer, Faculty of Medicine) Centre for Developmental Disability Studies (02) 8878 0500. **Session:** Semester 2. **Classes:** On-line, distance education. **Assessment:** Contribution to on-line tutorials and group work and 2 reports. 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.

GSDD 5016 Sexuality and Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (D D), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Dr Kelley Johnson. **Session:** Semester 2. **Classes:** Distance education mode: no on-campus attendance required. **Assumed Knowledge:** Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability. **Assessment:** Individual report; group report; and evidence of group participation in on-line discussion. 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-sourced through the university library.

The students will be expected to have access to computer details.

OCCP 5138 Specialised Seating

3 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Judy Ranka (02) 9351 9207 email J.Ranka@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education CD-ROM and attendance at intensive block (2 days). **Assessment:** Theoretical and practical assignment equivalent to 5000 words.

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 CD-ROM self study followed by an intensive two day block mode.

20. School of Applied Vision Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 20.1.

Table 20.1: Master of Orthoptics by Coursework

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SCI 10 Credit points for award: 96					
off-campus, full time- minimum 4 semesters					
off-campus, part time- minimum 8 semesters					
Full-time mode					
Year1					
Semester 1					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 2, Semester 1
ORTH 5022	Binocular Vision and Strabismus A	5	C ORTH 5023 Ocular Pathology A		Semester 1
ORTH 5023	Ocular Pathology A	5	C ORTH 5022 Binocular Vision and Strabismus A		Semester 1
ORTH 5024	Professional Experience 1A	4	C ORTH5022 Binocular Vision and Strabismus ORTH5023 Ocular Pathology A		Semester 1
Elective 4 (see note 1)					
Semester 1 total: 24 credit points					
Semester 2					
ORTH 5025	Binocular Vision and Strabismus B	5	P ORTH5022 Binocular Vision and Strabismus A ORTH5024 Professional Experience 1A		Semester 2
ORTH 5026	Ocular Pathology B	5	P ORTH 5023 Ocular Pathology A ORTH 5024 Professional Experience 1A		Semester 2
ORTH 5027	Professional Experience IB	4	P ORTH5024 Professional Experience 1A ORTH5022 Binocular Vision and Strabismus A C ORTH5025 Binocular Vision and Strabismus B		Semester 2
ORTH 5028	Professional Experience 1C	4	P ORTH5023 Ocular Pathology A ORTH5024 Professional Experience 1A C ORTH5026 Ocular Pathology B		Semester 2
ORTH 5029	Clinical Management of Refractive Error	6	P ORTH5023 Ocular Pathology A ORTH5022 Binocular Vision and Strabismus A ORTH5024 Professional Experience 1A		Semester 1, Semester 2
Year 2					
Semester 1					

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session		
ORTH 5030	Paediatrics	6	P ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C	Semester 1
ORTH 5031	Eye Movement Disorders	6	P ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH 5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C	Semester 1
ORTH 5032	Geriatrics	6	P ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors	Semester 1
ORTH 5033	Professional Development	6	A Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study. P BACH5268 Developing a Research Project	Semester 1
Semester 2				
ORTH 5034	Advanced Orthoptic Practice	6	P ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors	Semester 2
ORTH 5035	Professional Experience 2A	4	P ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors ORTH5030 Paediatrics ORTH5031 Eye Movement Disorders	Semester 2
ORTH 5036	Professional Experience 2B	4	P ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience IB ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors	Semester 2
ORTH 5037	Professional Experience 2C	4	P ORTH5029 Clinical Management of Refractive Error ORTH5030 Paediatrics ORTH5032 Geriatrics ORTH5031 Eye Movement Disorders C ORTH5035 Professional Experience 2A ORTH5036 Professional Experience 2B	Semester 2
ORTH 5038	Research Project	6	P ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience IB, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, BACH5268 Developing a Research Project, ORTH5033 Professional Development. C ORTH5035 Professional Experience 2A; ORTH5036 Professional Experience 2B or ORTH5037 Professional Experience 2C	Semester 2

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 first discuss this with an academic adviser in the School.

Note

1. ORTH 5019 Special Study A is the recommended research elective.

Master of Applied Science (Orthoptics) by Research - SC032

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's degree at Honours level can be admitted to the program and will not be required to complete a qualifying program. Students with an Honours degree may apply for advanced standing in the Research Electives, enabling them to enrol in the Research Thesis in the first semester of the program.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study

BACH 5268 Developing A Research Project

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cng), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus
Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

ORTH 5019 Special Study A

4 credit points. B B Hlth Sc (Hons), Grad Cert (Vis Imp), Grad Dip Hlth Sc (Vis Imp), M O T, M Orth. **Session:** Semester 1, Semester 2.

ORTH 5022 Binocular Vision and Strabismus A

5 credit points. M Orth, PG Coursework Exchange. Ms Kathryn Thompson & A.Prof Elaine Cornell. **Session:** Semester 1. **Corequisites:** ORTH 5023 Ocular Pathology A. **Assessment:** 2 web exams.

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

5 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 1. **Classes:** Distance education delivery. **Corequisites:** ORTH 5022 Binocular Vision and Strabismus A.

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, compon-

ents 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

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 1. **Classes:** Off campus clinical experiences. **Corequisites:** ORTH5022 Binocular Vision and Strabismus ORTH5023 Ocular Pathology A.

The student will apply learning from ORTH 5022 Binocular Vision and Strabismus A and ORTH 5023 Ocular Pathology A to the clinical environment by observation and participation.

ORTH 5025 Binocular Vision and Strabismus B

5 credit points. M Orth, PG Coursework Exchange. Mrs Neryla Jolly. **Session:** Semester 2. **Classes:** Distance education mode. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A

ORTH5024 Professional Experience 1A. **Assessment:** 4 case studies.

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

5 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Distance education mode. **Prerequisites:** ORTH 5023 Ocular Pathology A ORTH 5024 Professional Experience 1A.

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

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Off campus. **Prerequisites:** ORTH5024 Professional Experience 1A ORTH5022 Binocular Vision and Strabismus A. **Corequisites:** ORTH5025 Binocular Vision and Strabismus B.

This unit provides the student with clinical experience in investigation of intermittent and constant concomitant deviations - including history taking, testing visual acuity, cover testing, measuring the deviation, testing ocular movements, assessing the patient's binocular status and any control they have over the deviation, assessing retinal fixation and the effect of any other influencing factors, e.g. suppression. It also provides experience in formulating management plans and communication related to patients with concomitant squint.

ORTH 5028 Professional Experience 1C

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Off campus. **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5024 Professional Experience 1 A. **Corequisites:** ORTH5026 Ocular Pathology B.

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

6 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 1, Semester 2. **Classes:** Distance education delivery. **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5022 Binocular Vision and Strabismus A

ORTH5024 Professional Experience 1A.

The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual, and the selection of the most appropriate method to correct the optical error, e.g. single focus VS multifocal lenses in a variety of occupational situations.

ORTH 5030 Paediatrics

6 credit points. M Orth, PG Coursework Exchange. Mrs. Neryla Jolly & Mrs. Sue Silveira. **Session:** Semester 1. **Classes:** Distance education delivery. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C. **Assessment:** 3 on-line exercises, 1 exam. 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

6 credit points. M Orth, PG Coursework Exchange. A.Prof Elaine Cornell. **Session:** Semester 1. **Classes:** Distance education delivery. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH 5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C. **Assessment:** Mid Semester Web CT exam 50%, End of semester Web CT exam 50%.

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 pathways 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, myasthenia gravis tumours; impact of head injury including blow out fractures.

Textbooks

No specific text, wide reading of texts and manual

ORTH 5032 Geriatrics

6 credit points. M Orth, PG Coursework Exchange. Kathryn Thompson & Neryla Jolly. **Session:** Semester 1. **Classes:** Distance education delivery. **Prerequisites:** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors.

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

6 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 1. **Classes:** Distance education delivery. **Assumed Knowledge:** Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study. **Prerequisites:** BACH5268 Developing a Research Project. This unit will permit the student to carry out an independent learning project by learning contract. The topic may be one relevant to the practice of orthoptics or in an area which the student has developed a particular interest. Students will be encouraged to use this unit as preparation for the unit of study ORTH5038 Research Project.

ORTH 5034 Advanced Orthoptic Practice

6 credit points. M Orth, PG Coursework Exchange. Neryla Jolly. **Session:** Semester 2. **Classes:** Off campus. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors. **Assessment:** 5 case studies.

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

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Distance education delivery. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, ORTH5030 Paediatrics, ORTH5031 Eye Movement Disorders.

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

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Off campus clinical experience. **Prerequisites:** ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors.

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, e.g. involvement in practice administration and management, pre and post operative patient education, assistance in minor surgical procedures.

ORTH 5037 Professional Experience 2C

4 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Off campus clinical experience. **Prerequisites:** ORTH5029 Clinical Management of Refractive Error, ORTH5030 Paediatrics, ORTH5032 Geriatrics, ORTH5031 Eye Movement Disorders. **Corequisites:** ORTH5035 Professional Experience 2A, ORTH5036 Professional Experience 2B.

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

6 credit points. M Orth, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Distance education delivery. **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, BACH5268 Developing a Research Project, ORTH5033 Professional Development. **Corequisites:** ORTH5035 Professional Experience 2A; ORTH5036 Professional Experience 2B or ORTH5037 Professional Experience 2C.

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.

21. School of Behavioural and Community Health Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit <http://www.usyd.edu.au/handbooks/>.

Graduate Certificate of Health Science (Behavioural Science)

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 Professional Development Skills. 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 per cent of the 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 master's Program without a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit BACH5186 Professional Development Skills 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. Master's 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 criterion.

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 upon satisfactory performance, students may then 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's degree with a major in anthropology, sociology or psychology; or
- (ii) A bachelor's degree in social work; or
- (iii) An approved bachelor's degree in a health profession with satisfactory performance in Behavioural Sciences units of study; 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.

Honours

Articulation into the Master of Health Science (Behavioural Science) Honours course is contingent upon the student achieving an overall credit average and Distinctions 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 21.1, 21.2 and 21.2.1

See information following Table 21.8.1 for elective streams and refer to end of this chapter for unit descriptions. See Chapter 31 for Faculty electives and Research electives.

Table 21.1: Graduate Certificate of Health Science (Behavioural Science)

Unit of Study	CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Course code: SG010, Credit points for award: 24	
Full-time, minimum 1 semester	
Part-time, minimum 2 semesters	
Off-campus (1 to 2 semesters)	
Full-time mode	
Year 1 (see note)	
4 Electives (6 credit points each) 24	
Semester 1 total: 24 credit points	

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Part-time mode									
Year 1 (see note)									
Semester 1									
2 Electives (6 credit points each) 12									
<i>Semester 1 total: 12 credit points</i>									
Semester 2									
2 Electives (6 credit points each) 12									
<i>Semester 2 total: 12 credit points</i>									
Note									
Generally these electives are taken from elective streams following Table 21.8.1.									

Table 21.2: Master of Health Science (Behavioural Science) Pass course

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC047, Credit points for award: 48									
Full-time, minimum 2 semesters									
Part-time, minimum 4 semesters									
Off-campus (2 to 4 semesters)									
Full-time mode									
Year1									
Research elective 6									
7 Electives (see note) (6 credit points each) 42									
<i>Year 1 total: 48 credit points</i>									
Part-time mode									
Year1									
Research elective 6									
3 Electives (see note) (6 credit points each) 18									
<i>Year 1 total: 24 credit points</i>									
Year 2									
4 Electives (see note) (6 credit points each) 24									
<i>Year 2 total: 24 credit points</i>									
Note									
Generally electives are taken from elective streams following Table 21.8.1.									

Table 21.2.1: Master of Health Science (Behavioural Science) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC081, Credit points for award: 60									
Full-time 3 semesters									
Part-time 5 semesters									
Full-time mode									
Year1									
As per pass course									
Year 2									
BACH 5263	Dissertation		12						Semester 1, Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Part-time mode									
Year 1 and Year 2									
As per pass course									
Year 3									
BACH 5263	Dissertation		12						Semester 1, Semester 2
Notes									
1. 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.									

Master of Applied Science (Behavioural Science) by Research - SC035

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's degree with a major in anthropology, sociology or psychology; or
- (ii) A bachelor's degree in social work; or
- (iii) An approved bachelor's degree in a health profession with satisfactory performance in Behavioural Sciences units of study; 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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Graduate Certificate of Health Science (Child and Adolescent Health)

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 programs will allow students to gain contemporary knowledge in the application of psychology to child and adolescent health issues. The units of study 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 Master's Program without a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Professional Development Skills BACH5186 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 BACH 5186 must complete three Child and Adolescent Health electives, and one other elective. Professional Development Skills 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 BACH5268 is strongly recommended. Master's 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 criterion with the Postgraduate Coordinator.

Students who do not complete all requirements for the Master of Health Science (Child and Adolescent Health) may be able to exit with the award of Graduate Diploma of Health Science (Child and Adolescent Health) with successful completion of 36 credit points, or with the award of Graduate Certificate of Health Science (Child and 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 upon satisfactory performance, students may then 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's 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's degree in social work (with satisfactory performance in at least two psychology units/subjects at undergraduate level); or
- (iii) An approved bachelor's degree in a health profession with satisfactory performance in behavioural sciences units of study (with

satisfactory performance in at least two psychology units/subjects at undergraduate level); 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.

Honours

Articulation into the Master of Health Science (Child and Adolescent Health) Honours course is contingent upon the student achieving an overall credit average and distinctions 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 Tables 21.3, 21.4 and 21.4.1. See elective streams following Table 21.8.1 for list of Child and Adolescent Health elective units of study. See Chapter 31 for Faculty electives and research electives.

Table 21.3: Graduate Certificate of Health Science (Child and Adolescent Health)

<i>Unit of Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code: SG029, Credit points for award: 24	
Full-time, 1 semester	
Part-time, 2 semesters	
Off-campus (1 to 2 semesters)	
Full-time mode	
Year 1 (see note)	
3 Child and Adolescent Health electives (6 credit points each)	
Elective (6 credit points)	
<i>Year 1 total: 24 credit points</i>	
Part-time mode	
Year 1 (see note)	
3 Child and Adolescent Health electives (6 credit points each)	
Elective (6 credit points)	
<i>Year 1 total: 24 credit points</i>	
Note	
Generally these electives are taken from elective streams following Table 21.8.1. Students are strongly encouraged to select electives from the Child and Adolescent stream.	

Table 21.4: Master of Health Science (Child and Adolescent Health) Pass course

<i>Unit of Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code: SC048, Credit points for award: 48	
Full-time, minimum 2 semesters	
Part-time, minimum 4 semesters	
Off-campus (2 to 4 semesters)	
Full-time mode	
Year 1	
Research elective 6	
4 Child and Adolescent Health electives (6 credit points each) 24	
3 Electives (6 credit points each) (see note below) 18	
<i>Year 1 total: 48 credit points</i>	

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Part-time mode			
Year 1			
Research elective 6			
2 Child and Adolescent Health electives (6 credit points each) 12			
Elective 6 (see note below)			
<i>Year 1 total: 24 credit points</i>			
Year 2			
2 Child and Adolescent Health electives (6 credit points each) 12			
2 Electives (6 credit points each) (see note below) 12			
<i>Year 2 total: 24 credit points</i>			
Note			
Generally these electives are taken from the elective streams following Table 21.8.1. Students are encouraged to select electives from the Child and Adolescent stream.			

Table 21.4.1: Master of Health Science (Child and Adolescent Health) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code: SCI 16, Credit points for award: 60			
Full-time, 3 semesters			
Part-time, 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2			
BACH 5263	Dissertation	12	Semester 1, Semester 2
Part-time mode			
Year 1 and Year 2			
As per Pass course			
Year 3			
BACH 5263	Dissertation	12	Semester 1, Semester 2
Note			
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.			

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 post-graduate 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 complementary 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 offshore. 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, in service 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 maximise 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 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 website (<http://www.fhs.usyd.edu.au/ach/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's 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.

Admission for all students will be contingent on availability of student places. Midyear enrolment is an option.

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

Articulation into the Master of Health Science (Education) 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 (Education) Pass course.

Course outlines

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 21.8.1. Faculty electives can be found in Chapter 31.

Table 21.5: Graduate Certificate of Health Science (Education)

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Course code: SG032, Credit points for award: 24				
Full-time, 1 semester				
Part-time, 2 semesters				
Off-campus, 2 semesters				
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				
Year1				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
2 Electives ^A 2 12				
<i>Year 1 total: 24 credit points</i>				
Part-time mode				
Year1				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
2 Electives ^A 2 12				
<i>Year 1 total: 24 credit points</i>				
Notes				
1. Adult Learning must be undertaken in the first semester of entry to the program.				
2. Students undertake two (2) professional electives of 6 credit points. Generally these electives are taken from Education List A or List B following Table 21.8.1.				

Table 21.6: Graduate Diploma of Health Science (Education)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code: SF046, Credit points for award: 36 (minimum)				
Part-time, 3 semesters				
Off-campus, 3 semesters				
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				
Year1				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
2 Electives 12 (see note 2 below)				
Year 1 total: 24 credit points				
Year 2				
2 Electives 12 (see note 2 below)				
Year 2 total: 12 credit points				
Notes				
1. Adult Learning must be undertaken in the first semester of entry to the program.				
2. Students undertake two professional electives of 6 credit points. Generally these electives are taken from Education List A or List B following Table 21.8.1.				

Table 21.7: Master of Health Science (Education) Pass course

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Course code: SC066, Credit points for award: 48				
Full-time, 2 semesters on-campus				
Part-time, 4 semesters on-campus				
Off-campus, 4 semesters				
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				
Year1				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
6 Electives 36 (see note 2 below)				
Year 1 total: 48 credit points				
Part-time mode				
Year1				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
2 Electives 12 (see note 2 below)				
Year 1 total: 24 credit points				
Year 2				
4 Electives 24 (see note 2 below)				
Year 2 total: 24 credit points				
Notes				
1. Adult Learning must be undertaken in the first semester of entry to the program.				
2. Students undertake electives of 6 credit points. Generally these electives are taken from Education List A or List B following Table 21.8.1.				

Table 21.7.1: Master of Health Science (Education) Honours

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code: SC082, Credit points for award: 60				
Full-time, 3 semesters				
Part-time, 5 semesters				
Off-campus, 5 semesters				
Full-time mode				
Year1				
As per Pass course				
Year 2				
BACH 5263	Dissertation	12		Semester 1, Semester 2
Part-time mode				
Years 1 and 2				
As per Pass course				
Year 3				
BACH 5263	Dissertation	12		Semester 1, Semester 2

Unit of Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Note	
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.	

Master of Applied Science (Education) by Research - SC117

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's degree at honours level in a health science field or other relevant area; or
- (ii) A bachelor's degree in a health science field or other related area; or
- (iii) 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's 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's degree at honours level may be required to complete studies in education normally to the level of graduate diploma.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the 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 Professional Development Skills 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.

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's 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.

Honours

Articulation into the Master of Health Science (Gerontology) Honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Gerontology) Pass course.

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 21.8 and 21.8.1. More information at: www.fhs.usyd.edu.au/bach/gerontology (http://www.fhs.usyd.edu.au/bach/gerontology)

Table 21.8: Master of Health Science (Gerontology) Pass course

Unit of Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Course code: SC070, Credit points for award: 48	
Full-time, 2 semesters	
Part-time, 4 semesters	
Off-campus, 4 semesters	

Unit of Study	CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
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 21.8.1. For a list of Faculty electives see chapter 31.				
Full-time mode				
Year1				
Semester 1				
BACH 5041	Introduction to Gerontology	6		Semester 1, Semester 2
3 Electives (6 credit points each) 18				
Semester 1 total: 24 credit points				
Semester 2				
4 Electives (6 credit points each) 24				
Semester 2 total: 24 credit points				
Part-time mode				
Year1				
Semester 1				
BACH 5041	Introduction to Gerontology	6		Semester 1, Semester 2
Elective 6				
Semester 1 total: 12 credit points				
Semester 2				
2 Electives (6 credit points each) 12				
Semester 2 total: 12 credit points				
Year 2				
Semester 1				
2 Electives (6 credit points each) 12				
Semester 1 total: 12 credit points				
Semester 2				
2 Electives (6 credit points each) 12				
Semester 2 total: 12 credit points				

Table 21.8.1: Master of Health Science (Gerontology) Honours

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code: SC083, Credit points for award:60				
Full-time,3 semesters				
Part-time, 5 semesters				
Off-campus, 5 semesters				
Full-time mode				
Year1				
As per Pass course				
Year 2				
BACH 5263	Dissertation	12		Semester 1, Semester 2
Part-time mode				
Years 1 and 2				
As per Pass course				
Year 3				
BACH 5263	Dissertation	12		Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
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Note

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.

Master of Applied Science (Gerontology) by Research - SC118

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's 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's degree at Honours level may apply for admission to Year 2 of the program.

Time limit

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Behavioural and Community Health Sciences electives

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
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Elective streams

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

BACH 5027	Mental Health in Later Life	6		Semester 1, Semester 2
BACH 5034	Residential Care and Older People	6		Semester 1
BACH 5036	Community Aged Care	6		Semester 1
BACH 5038	The Community Setting and Older People	6		Semester 2
BACH 5041	Introduction to Gerontology	6		Semester 1, Semester 2
BACH 5058	Residential Care Policies and Services	6		Semester 2
BACH 5147	Psychology of Ageing	6		Semester 2
BACH 5212	Multicultural Issues in Gerontology	6		Semester 1, Semester 2
BACH 5216	Behavioural Aspects of Ageing	6		Semester 1
BIOS 5018	Health, Dysfunction and Ageing	6		Semester 1, Semester 2
BIOS 5041	Biological Aspects of Ageing	6		Semester 2

Child and Adolescent Health

BACH 5063	Therapies for Children and Adolescents	6		Semester 2, Semester 1
BACH 5138	Abnormal Psychology and Mental Health	6	A Undergraduate Psychology	Semester 1, Semester 2
BACH 5198	Contemporary Issues 1	6	A Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students.	Semester 1, Semester 2
BACH 5200	Contemporary Issues 2	6	P Contemporary Issues I BACH5198	Semester 1, Semester 2
BACH 5309	Assessment of Children and Adolescents	6	P BACH5313 Child and Adolescent Psychology	Semester 1, Semester 2

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
BACH 5313	Child and Adolescent Psychology	6	A Previous study of Psychology at undergraduate level is assumed.	Semester 1, Semester 2
Counselling				
BACH 5138	Abnormal Psychology and Mental Health	6	A Undergraduate Psychology	Semester 1, Semester 2
BACH 5139	Behaviour Mod & Cog Behavioural Therapy	6		Semester 1
BACH 5143	Counselling	6	A Undergraduate Psychology	Semester 1, Semester 2
BACH 5323	Advanced Counselling Skills	6	A Basic counselling skills PBACH5143 Counselling	Semester 2, Semester 1
BACH 5324	Psychotherapy	6	P BACH 5143 Counselling C BACH 5323 Advanced Counselling Skills	Semester 2
Education				
List A (normally offered in Semester 1)				
BACH 5002	Educational Design	6		Semester 2, Semester 1
BACH 5336	Lecturing and Large Group Teaching	6	A BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1
BACH 5101	Flexible Distance Learning	6	A Basic principles of adult learning and educational design.	Semester 1
BACH 5118	Learning in Groups	6		Semester 1
BACH 5128	Educational Innovation Project A	6		Semester 1
BACH 5151	Independent Investigation I	6	A Basic principles of adult learning and educational design are useful	Semester 1
BACH 5153	Assessment of Learning	6	A Knowledge of Adult Learning and Educational Design is useful.	Semester 1
List B (normally offered in Semester 2)				
BACH 5001	Adult Learning	6		Semester 2
BACH 5002	Educational Design	6		Semester 2, Semester 1
BACH 5003	Facilitating Learning	6	A Some knowledge of Adult Learning theory and Group Dynamics useful.	Semester 2
BACH 5004	Educational Practice	6	A Educational Design BACH5002	Semester 2
BACH 5007	Curriculum Leadership	6	P Adult Learning BACH5001 and Educational Design BACH5002	Semester 2
BACH 5022	Independent Investigation II	6	A Basic principles of adult learning and educational design are useful	Semester 2
BACH 5024	In-service and Continuing Education	6	A Adult Learning BACH5001 and Educational Design BACH5002 .	Semester 2
BACH 5042	Teaching Clinical Reasoning	6		Semester 2
BACH 5085	Clinical Teaching and Supervision	6		Semester 2
BACH 5116	Developing Web-Based Education	6	A Basic computer skills	Semester 2
BACH 5129	Educational Innovation Project B	6	A Educational Design BACH5002	Semester 2
Educational Innovation Project is a two semester (12 credit points) elective for students undertaking a major project in their workplace.				
Health Policy				
BACH 5148	Health Policy and Social Theory	6		Semester 1, Semester 2
BACH 5286	Ethnic Minorities and Health Care	6		Semester 1, Semester 2
Improving Health Systems				
AHCD 5048	Action Research	6		Semester 1, Semester 2
BACH 5026	Special Investigation	6		Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
BACH 5074	Reflective Inquiry in Practice	6	NB: Access to the World Wide Web is essential.	Semester 1, Semester 2
BACH 5326	Improving Health Systems	6		Semester 2
BACH 5328	Evaluating Health Interventions	6		Semester 1, Semester 2
Note: Improving Health Systems electives may be taken sequentially to support an extended workplace learning project.				
Information Technology				
BACH 5061	Statistical Analysis With SPSS	6		Semester 1, Semester 2
BACH 5208	Introduction to Computers & the Internet	6	A Familiarity with Windows N BACH3105 Computing for Health Practitioners	Semester 2
International Health				
BACH 5196	International Health and Society	6		Semester 2
BACH 5306	International Health Risk Management	6		Semester 1, Semester 2
Occupational Health				
BACH 5164	Occupational Health	6		Semester 1, Semester 2
Organisation and Management Studies				
BACH 5224	Organisational Management	6		Semester 1
BACH 5226	Organisational Structures in Health	6		Semester 2
BACH 5290	Organisational Psychology	6		Semester 2
Research electives (6 credit points)¹				
BACH 5011	Survey Research Methods	6		Semester 1, Semester 2
BACH 5253	Intermediate Statistics	6	P Research Methods I (BACH2115) and Research Methods II: Data Analysis and Statistics (BACH1118), or equivalent.	Semester 2, Semester 1
BACH 5255	Qualitative Research Methods	6		Semester 1, Semester 2
BACH 5256	Multivariate Statistics	6	P Intermediate Statistics BACH5253 or BACH5312, or equivalent	Semester 1
BACH 5268	Developing A Research Project	6	NB: Not available for Doctor of Health Science students	Semester 2, Semester 1
BACH 5298	History and Philosophy of Science	6		Semester 1
BACH 5300	Action Research	6		Semester 1
BACH 5302	Epidemiological Research	6	A Previous study of Research Methods at undergraduate level	Semester 1, Semester 2
BACH 5327	Internet Research	6	A Basic knowledge of research approaches and methods.	Semester 1, Semester 2
BACH 5328	Evaluating Health Interventions	6		Semester 1, Semester 2
BACH 5329	Introduction to SAS	6		Semester 1
Other				
BACH 5141	Cognitive Function	4	N Psychology of Ageing BACH5147	Semester 1, Semester 2
BACH 5165	Post Trauma Stress	6		Semester 1
BACH 5180	Stress and Illness: Management Issues	6		Semester 1
BACH 5186	Professional Development Skills	6		Semester 2
BACH 5321	Psychology for Graduate Students	6		Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
BACH 5322 Sociology for Health Professionals	6			Semester 1, Semester 2

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's degree in an appropriate area other than rehabilitation counselling; 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 undertake the coursework requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; 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 21.9.

Table 21.9: Graduate Diploma in Rehabilitation Counselling

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code: SF055, Credit points for award: 48					
Off-campus, full time: 2 semesters					
Off-campus, part time: 4 semesters (see note 1)					
Semester 1					
Full-time mode					
REHB 5012	Medical Aspects of Disability	3			Semester 1
REHB 5043	Rehabilitation Counselling A	3			Semester 1
REHB 5044	Vocational Development and Counselling	3			Semester 1
REHB 5045	Rehabilitation Theory	3			Semester 1
REHB 5046	Work Injury and Disability	3			Semester 1
REHB 5047	Psychosocial Aspects of Disability	3			Semester 1
REHB 5048	Field Experience I	3			Semester 2, Semester 1
Coursework Electives 3 (see note 5 below)					
Semester 1 total: 24 credit points					
Semester 2					
REHB 5049	Rehabilitation Counselling B	3	P Rehabilitation Counselling A REHB5043 C Client Assessment and Job Placement REHB5050		Semester 2
REHB 5050	Client Assessment and Job Placement	3	P Vocational Development and Counselling REHB5044 C Rehabilitation Counselling B REHB5049		Semester 2
REHB 5051	Rehabilitation and Case Management	3	P Vocational Development and Counselling REHB5044 C Client Assessment and Job Placement REHB5050		Semester 2
REHB 5052	Legal Aspects of Rehabilitation	3			Semester 2
REHB 5053	Workers Compensation and Rehabilitation	3			Semester 2
REHB 5054	Field Experience II	3	P REHB5048 Field Experience I		Semester 1, Semester 2
Coursework Electives 6 (see note 5 below)					
Semester 2 total: 24 credit points					

Unit of Study	CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
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 Rehabilitation Counselling A is a prerequisite to REHB 5049 Rehabilitation Counselling B.				
3. REHB 5044 Vocational Development and Counselling is a prerequisite to REHB 5050 Client Assessment and Job Placement and to REHB 5051 Rehabilitation and Case Management.				
4. REHB 5048 Field Experience I includes two 5-week (total 385 hours) block placements at separate agencies. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.				
5. Students choose from the following coursework electives:				
Notes				
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the Graduate Diploma in Rehabilitation Counselling you are required to complete nine (9) credit points of electives. In addition to the electives listed here, electives available in the Faculty of Health Sciences are detailed in Chapter 3 of this Handbook. Students must discuss their enrolment in electives that differ from those listed below with their Rehabilitation Counselling academic advisor prior to enrolment. At least one (1) Group A unit must be completed.				
Coursework electives				
Group A				
Semester 1				
REHB 5014	Rehabilitation and Substance Abuse	3		Semester 1
REHB 5022	Acquired Brain Injury Rehabilitation	3		Semester 1
REHB 5034	Rehabilitation and PTSD	3		Semester 1
Semester 2				
REHB 5016	Rehabilitation of Public Offenders	3		Semester 2
REHB 5024	Rehabilitation of Persons from NESB	3		Semester 2
REHB 5042	Psychiatric Rehabilitation	3		Semester 1, Semester 2
Group B				
Semester 1				
AHCD 5052	Indigenous Community Health	6		Semester 1, Semester 2
BACH 5041	Introduction to Gerontology	6		Semester 1, Semester 2
Semester 2				
AHCD 5002	Program Planning and Evaluation	6		Semester 1, Semester 2
AHCD 5052	Indigenous Community Health	6		Semester 1, Semester 2
BACH 5041	Introduction to Gerontology	6		Semester 1, Semester 2

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's degree by Coursework in Rehabilitation Counselling, applicants must:

- (i) have completed a 4-year bachelor's 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 Faculty 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 Faculty; 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 21.10.

Table 21.10: Master of Rehabilitation Counselling

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code: SCI02, Credit points for award: 72					
Full-time, 3 semesters					
Off-campus, 6 semesters (see note 1)					
Full-time mode					
Year1					
Semester 1					
REHB 5012	Medical Aspects of Disability	3			Semester
REHB 5043	Rehabilitation Counselling A	3			Semester 1
REHB 5044	Vocational Development and Counselling	3			Semester 1
REHB 5045	Rehabilitation Theory	3			Semester 1
REHB 5046	Work Injury and Disability	3			Semester 1
REHB 5047	Psychosocial Aspects of Disability	3			Semester 1
REHB 5048	Field Experience I	3			Semester 2, Semester 1
Coursework Electives 3 (see note 6)					
Semester 1 total: 24 credit points					
Semester 2					
REHB 5049	Rehabilitation Counselling B	3	P Rehabilitation Counselling A REHB5043 C Client Assessment and Job Placement REHB5050		Semester 2
REHB 5050	Client Assessment and Job Placement	3	P Vocational Development and Counselling REHB5044 C Rehabilitation Counselling B REHB5049		Semester 2
REHB 5051	Rehabilitation and Case Management	3	P Vocational Development and Counselling REHB5044 C Client Assessment and Job Placement REHB5050		Semester 2
REHB 5052	Legal Aspects of Rehabilitation	3			Semester 2
REHB 5053	Workers Compensation and Rehabilitation	3			Semester 2
REHB 5054	Field Experience II	3	P REHB5048 Field Experience I		Semester 1, Semester 2
Coursework Electives 6 (see note 6)					
Semester 2 total: 24 credit points					
Year 2					
Semester 1					
REHB 5059	Dissertation	18			Semester 1
Research elective 6 (see note 5)					
Semester 1 total: 24 credit points					
Part-time mode					
Year 3 (on completion of all other coursework units)					
Semester 1 total: 9 credit points					
Semester 1					
REHB 5057	Dissertation A	9			Semester 1, Semester 2
Semester 1 total: 9 credit points					
Semester 2					
REHB 5058	Dissertation B	9			Semester 1, Semester 2
Research elective 6 (see note 5)					
Semester 2 total: 15 credit points					

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
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 Rehabilitation Counselling A is a prerequisite to REHB 5049 Rehabilitation Counselling B.					
3. REHB 5044 Vocational Development and Counselling is a prerequisite to REHB 5050 Client Assessment and Job Placement and to REHB 5051 Rehabilitation and Case Management.					
4. REHB 5048 Field Experience I includes two 5-week (total 385 hours) block placements at separate agencies. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.					
5. Students select one of the research elective 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 31.					
6. Students choose from the following coursework electives:					
Notes					
The offering of these electives will depend on availability of staff and student demand. To complete the requirements of the Master of Rehabilitation Counselling you are required to complete nine (9) credit points of electives. In addition to the electives listed here, electives available in the Faculty of Health Sciences are detailed in Chapter 31 of this Handbook. Students must discuss their enrolment in electives that differ from those listed below with their Rehabilitation Counselling academic advisor prior to enrolment. At least one (1) Group A unit must be completed.					
Coursework electives					
Group A					
Semester 1					
REHB 5014	Rehabilitation and Substance Abuse	3			Semester 1
REHB 5022	Acquired Brain Injury Rehabilitation	3			Semester 1
REHB 5034	Rehabilitation and PTSD	3			Semester 1
Semester 2					
REHB 5016	Rehabilitation of Public Offenders	3			Semester 2
REHB 5024	Rehabilitation of Persons from NESB	3			Semester 2
REHB 5042	Psychiatric Rehabilitation	3			Semester 1, Semester 2
Group B					
Semester 1					
AHCD 5052	Indigenous Community Health	6			Semester 1, Semester 2
BACH 5041	Introduction to Gerontology	6			Semester 1, Semester 2
Semester 2					
AHCD 5002	Program Planning and Evaluation	6			Semester 1, Semester 2
AHCD 5052	Indigenous Community Health	6			Semester 1, Semester 2
BACH 5041	Introduction to Gerontology	6			Semester 1, Semester 2

Master of Applied Science (Rehabilitation Counselling) by Research - SC023

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.

- (iii) The applicant shall normally have had a minimum of one year of full-time relevant work experience in a rehabilitation setting.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the 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 Rehabilitation 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

Full-time placement: 3 July to 24 July 2006

Part-time placement (if available): 6 March to 19 June 2006.

Semester 2

Full-time placement: 3 July to 24 July 2006.

Part-time placement (if available): 24 July to 18 November 2006.

Alternative placement opportunities

1. Various camps will be offered to students through the semester to attend. These are live in placements over a 1 week period.
2. Attendance at various seminars, conferences and Rehabilitation Counselling Vocational Assessment Clinics may also be awarded Field Experience credit through prior arrangement only.

Units of study

Behavioural and Community Health Sciences

AHCD 5048 Action Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG

Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed). **Session:** Semester 1, Semester 2. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville. **Session:** Semester 2. **Classes:** External/distance mode: independent learning packages with email and internet support. **Assessment:** Assignment based (non exam).

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

BACH 5002 Educational Design

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2, Semester 1. **Classes:** No classes - independent learning package with email support. **Assessment:** Assignment-based (non exam).

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

Textbooks

Recommended: Caffarella, R (2002) Planning Programs for Adult Learners A practical guide for educators, trainers and staff developers, (Jossey Bass, San Francisco); Fraser, K (1996) Student centered teaching: the development and use of conceptual frameworks (Green Guide No 18, Higher Education and Research Society of Australasia); Higgs, J & Edwards, E (eds) (1999) Educating Beginning Practitioners (Butterworth Heinemann, London).

BACH 5003 Facilitating Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package. Optional weekend workshop (Saturday and Sunday). **Assumed Knowledge:** Some knowledge of Adult Learning theory and Group Dynamics useful. **Assessment:** Literature review, video skills practice and reflective report (non exam).

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

Textbooks

Recommended: Brookfield, S. The Skilful Teacher: on techniques, trust and responsiveness in the classroom (Jossey Bass, San Francisco, 1990); Brookfield, S and Reskill, 5 Discussion as a way of Teaching: Tools and techniques for university teachers (Buckingham, The Society for research into Higher Education, 1999); Higgs, J and Edwards, E Educating Beginning Practitioners (Butterworth Heinemann, London, 1999).

BACH 5004 Educational Practice

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, tel: (02) 93519118. Email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Contract learning. **Assumed Knowledge:** Educational Design BACH5002. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2. **Prerequisites:** Adult Learning BACH5001 and Educational Design BACH5002. **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 5011 Survey Research Methods

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo (02) 9351 9583 email: p.choo@fhs.usyd.edu.au and Dr Kate O'Loughlin (02) 9351 9531 email: k.loughlin@fhs.usyd.edu.au. **Session:** Semester 1, 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.

BACH 5022 Independent Investigation II

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. Email: f.everingham@fhs.usyd.edu.au. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** Distance education mode: independent learning package. **Assumed Knowledge:** Adult Learning BACH5001 and Educational Design BACH5002. **Assessment:** Assignment based. Participants explore the main challenges facing educators delivering in-service and continuing education in the workplace. For example, the effects of the changing nature of work; the culturally diverse work force; multi-disciplinary service delivery; job redesign; workplace standards; retention; and information and communication technologies. Education trends associated with these changes are considered; such as, on the job training, competency-based education, mandatory continuing education, informal and incidental learning, transfer of learning and life long learning.

BACH 5026 Special Investigation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes (02) 9351 9582. Email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode: independent learning package. **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.
Textbooks

Please refer to www.fhs.usyd.edu.au/bach/5027

BACH 5034 Residential Care and Older People

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell (02) 9351 9129. Email: c.russell@fhs.usyd.edu.au. **Session:** Semester 1. **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. There are 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Session:** Semester 1. **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. There are 3 modules: The Policy Context; Programs and Services; Profile and Analysis.
Textbooks
www.fhs.usyd.edu.au/bach/5036

BACH 5038 The Community Setting and Older People

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc. Prof. Cherry Russell (02) 9351 9129. **Session:** Semester 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. There are 3 modules: Ageing, Community and Culture; Ageing, Communities and Social Resources; Ageing in the Community Environment.
Textbooks
www.fhs.usyd.edu.au/bach/5038

BACH 5041 Introduction to Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support. **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 Heinemann.

BACH 5058 Residential Care Policies and Services

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell. **Session:** Semester 2. **Classes:** Distance/external mode: web based. This unit provides an overview of the development and implementation of residential care policies for older Australians, explores spe-

cific issues in the delivery of residential aged care services and provides opportunity for independent inquiry..

Textbooks

www.fhs.usyd.edu.au/bach/5058

BACH 5061 Statistical Analysis With SPSS

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo and Ms Karen Pepper. **Session:** Semester 1, Semester 2. **Classes:** Contract learning including a small number of on-campus classes. **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 Therapies for Children and Adolescents

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Dianne Kenny (02) 9351 9644 email: d.kenny@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Contract learning. **Assessment:** Assignments.

This unit will provide students with an understanding of the major forms of therapy for children, adolescents and their families, research methods appropriate to their study, and an overview of current issues in working therapeutically with children and adolescents. The focus of this elective is on the mastery of the principles of learning theory, functional analysis of behaviour and behaviour management strategies. Students will be encouraged to pursue an area of special interest within the field related to their area of professional practice.

Textbooks

A manual will be provided

BACH 5074 Reflective Inquiry in Practice

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes. **Session:** Semester 1, Semester 2. **Classes:** Web based. No on-campus attendance required. **Assessment:** Continuous. *NB: Access to the World Wide Web is essential.*

In this unit, 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.

Textbooks

www.fhs.usyd.edu.au/bach/5074

BACH 5085 Clinical Teaching and Supervision

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, 02-93519118. Email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support. **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

Facilitating Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

BACH 5101 Flexible Distance Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Mary Jane Mahony. **Session:** Semester 1. **Classes:** Independent learning package with one telephone Conference and supported by a website. 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.

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 Web-Based Education

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 1. **Classes:** External/distance mode: Independent learning package with 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).

BACH 5128 Educational Innovation Project A

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville and subject specialists where relevant. **Session:** Semester 1. **Classes:** Learning contract. **Assessment:** Report based.

Available only to Health Science Education students. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Ms Victoria Neville and subject specialists where relevant. **Session:** Semester 2. **Classes:** Learning contract. **Assumed Knowledge:** Educational Design BACH5002. **Assessment:** Report based.

Available only to Health Science Education students. 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 education mode with email support.

BACH 5138 Abnormal Psychology and Mental Health

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings. **Session:** Semester 1, Semester 2. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **Assessment:** Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSMIV 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 Mod & Cog Behavioural Therapy

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Mairwen Jones. **Session:** 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. (2000).

BACH 5141 Cognitive Function

4 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Lynn Harris (02) 9351 9162. **Session:** Semester 1, Semester 2. **Classes:** Contract learning, including meetings with the Unit Co-ordinator. Can be done by distance through telephone & email. **Prohibitions:** Psychology of Ageing BACH5147. **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 5143 Counselling

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings (02) 9351 9587 and A/Prof Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Class attendance required (Semester 1); Distance Learning (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Steve Cumming and Assoc Prof Lynne Harris. **Session:** 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 interrelationship 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr. Toni Schofield (02) 9351 9577 email T.Schofield@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 issues 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 5151 Independent Investigation I

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. Email: f.everingham@fhs.usyd.edu.au. **Session:** 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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Carol O'Donnell and Dr Kate O'Loughlin. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode: independent learning package. **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.

BACH 5165 Post Trauma Stress

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Gomathi Sitharhan. **Session:** Semester 1. **Classes:** On campus 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 5180 Stress and Illness: Management Issues

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Gomathi Sitharhan. **Session:** Semester 1. **Classes:** On campus 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 Professional Development Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email V.Neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education: no on-campus attendance required. **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 analysis, 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 and Society

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain and Ms Ann Hale. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package. **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.

BACH 5198 Contemporary Issues 1

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Distance education mode: contract learning (no on-campus attendance required). **Assessment:** Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students. **Assessment:** Four focussed inquiries.

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 2

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Distance education: contract learning. **Prerequisites:** Contemporary Issues IBACH5198. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo and Dr Zakia Hossain. **Session:** Semester 2. **Classes:** Contract learning. **Assumed Knowledge:** Familiarity with Windows. **Prohibitions:** BACH3105 Computing for Health Practitioners. **Assessment:** One assignment. 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 prac-

tical 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.

BACH 5212 Multicultural Issues in Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **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.

BACH 5216 Behavioural Aspects of Ageing

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), M O T, M Orth, PG Coursework Exchange. Dr Steven Cumming, (02) 9351 9404. **Session:** Semester 1. **Classes:** Distance education: web based delivery.

This unit provides an overview of how psychology and sociology approach issues associated with ageing. There are three modules: Ageing brain, ageing mind (psychology); Sociological theories in ageing (sociology); The 3rd Age in the 21st century (integrative module).

Textbooks

See www.fhs.usyd.edu.au/bach/5216

BACH 5224 Organisational Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Rosemary Cant. **Session:** 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 these as a springboard for the analysis of changing functions of a successful manager.

BACH 5226 Organisational Structures in Health

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Rosemary Cant (02) 9351 9560 email: r.cant@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On Campus 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 5253 Intermediate Statistics

6 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cing) Hons, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth). Dr Peter Choo and Dr Zakia Hossain. **Session:** Semester 2, Semester 1. **Classes:** On-campus, Night classes. **Prerequisites:** Research Methods I (BACH2115) and Research Methods II: Data Analysis and Statistics (BACH1118), 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

6 credit points. Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Indig Comm Hlth). Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 2. **Classes:** 3 hours per 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; students also work on a research project of their choice throughout the semester.

Textbooks

No set texts - readings are recommended

BACH 5256 Multivariate Statistics

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed). Dr Peter Choo (02) 9351 9583 email: p.choo@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Contract learning: no on-campus attendance required. **Prerequisites:** Intermediate Statistics BACH5253 or BACH5312, 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

12 credit points. M Hlth Sc (Behav Sc)Hons, M Hlth Sc (Child Adol Hlth)Hons, M Hlth Sc (Child Adol Hlth) Hons, M Hlth Sc (Education) Hons, M Hlth Sc (Education)Hons, M Hlth Sc (Geront) Hons, M Hlth Sc (Geront) Hons, PG Coursework Exchange. Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 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

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Clng), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus
Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

BACH 5286 Ethnic Minorities and Health Care

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Toni Schofield (02) 9351 9577 Email: t.schofield@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Distance education mode. **Assessment:** Essay.

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 conducted through 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

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Assoc Prof Barbara Adamson. **Session:** 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 5298 History and Philosophy of Science

6 credit points. B B Hlth Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), H Sc D, M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Indig Comm H. Dr Rod Rothwell (02) 9351 9122 email: r.rothwell@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus evening classes. Not available to Doctor of Health Science students. **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

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed). Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Web based: no on-campus attendance required. **Assessment:** Three assignments.

Action research is a participatory, process concerned with developing practical knowledge in the pursuit of worthwhile human purposes. In participation with others, health professionals and researchers bring action and reflection, theory and practice together in the pursuit of practical solutions to pressing issues of health and wellbeing of individuals and their communities.

Action research is a set of practices for systematic development of knowledge grounded in a participatory worldview. It is rather different from traditional academic research, with different purposes, based in different relationships, and with different ways of conceiving knowledge and its relation to practice.

Action research can be applied in community work, complex systems research, collaborative inquiry, improving health interventions and in other ways. This Unit is suitable for research students developing action research, participatory research or similar projects, and for health professionals who are serious about improving their practice. Check the Unit web site www.fhs.usyd.edu.au/bach/5300.shtml for recent details.

Textbooks

See: www.fhs.usyd.edu.au/bach/5300.shtml

BACH 5302 Epidemiological Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed). Dr Kaye Brock (02) 9351 9124 email: k.brock@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** On-campus 3 hours/week. **Assumed Knowledge:** Previous study of Research Methods at undergraduate level. **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 5306 International Health Risk Management

6 credit points. B B Hlth Sc (Hons), Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip H S M, M H S M, M H S M (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Carol O'Donnell. **Session:** Semester 1, Semester 2. **Classes:** Contract learning: no on-campus attendance required. **Assessment:** Two assignments.

This unit aims to provide students with an understanding of the requirements of basic health risk management 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.

BACH 5309 Assessment of Children and Adolescents

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Assoc Professor Dianna Kenny (02) 9351 9644 and Dr Chris Lennings (02) 9351 9587. **Session:** Semester 1, Semester 2. **Classes:** Contract learning, including on-campus attendance of two hrs/fortnight. Also available by distance education. **Prerequisites:** BACH5313 Child and Adolescent Psychology. **Assessment:** Case study and literature review.

This unit introduces students to the concepts of psychological assessment including norming, reliability, validity, and standardised administration. The unit familiarises students with cognitive and educational tests and assessment of adaptive function for children and adolescents. Students will be required to undertake supervised administration of one of the Wechsler Scales of Intelligence for Children.

Textbooks

A manual will be provided.

BACH 5313 Child and Adolescent Psychology

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Distance education plus 16 hrs face-to-face. **Assumed Knowledge:** Previous study of Psychology at undergraduate level is assumed. **Assessment:** Four tasks.

This unit will provide students with an understanding of the major theories of child development with a focus on cognitive and social development; an overview of current issues in child development and the application of developmental theory to health professional practice. Students will be encouraged to pursue an area of special interest within the field of child development related to their area of professional practice.

Textbooks

Berk, L E (2003) Child Development (6th edition) Boston, Allyn & Bacon Publishing OR
Shaffer, D R (2002) Developmental Psychology (6th edition) Belmont: Wadsworth/Thomson Learning.

BACH 5321 Psychology for Graduate Students

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Dr Chris Lennings. **Session:** Semester 1, Semester 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. This unit is only available to students who have no undergraduate studies in psychology.

BACH 5322 Sociology for Health Professionals

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Ian Hughes (02) 9351 9582 Email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **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.

Textbooks

www.fhs.usyd.edu.au/bach/5322

BACH 5323 Advanced Counselling Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Chris Lennings. **Session:** Semester 2, Semester 1. **Classes:** Contract learning, including attendance at 6 seminars. Also available by distance education mode. **Assumed Knowledge:** Basic counselling skills. **Prerequisites:** BACH5143 Counselling. **Assessment:** Case study analysis and counselling management plan. Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The Unit is taught as a series of six seminars in the semester following completion of BACH5143 Counselling. This unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken and complete a counselling management plan.

Textbooks

To be advised.

BACH 5324 Psychotherapy

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings. **Session:** Semester 2. **Classes:** Contract learning, including attendance at 6 seminars. **Prerequisites:** BACH 5143 Counselling. **Corequisites:** BACH 5323 Advanced Counselling Skills. **Assessment:** Completion of 3 case studies.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy. The Unit is delivered as a series of six seminars.

Textbooks

To be advised.

BACH 5326 Improving Health Systems

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes, email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Seminars vary from year to year (see www.fhs.usyd.edu.au/bach/5326.shtml). **Assessment:** Three assignments.

This seminar series enables postgraduate research and coursework students to explore the uses of systems thinking, complex adaptive systems, and recent advances in networks theory with related practices such as working with communities of knowledge and on the edge of chaos. Student participation in developing emerging ideas and applications is encouraged.

Topics and learning activities in this emergent field may change from year to year (eg monthly seminars, day-long workshops, on-line seminars etc). Check the web site at www.fhs.usyd.edu.au/bach/5326.shtml for most recent information.

Textbooks

www.fhs.usyd.edu.au/bach/5326.shtml

BACH 5327 Internet Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed). Dr Andrew Campbell. **Session:** Semester 1, Semester 2. **Classes:** Internet delivery. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes (02) 9351 9582 email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web based. Some optional evening classes may be offered. In semester 1, four optional face-to-face workshops may be offered if there is sufficient demand. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain (02) 9351 9340 and Dr Kaye Brock (02) 93519124. **Session:** Semester 1. **Classes:** On-Campus contract learning. **Assessment:** Practical assignments.

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 5336 Lecturing and Large Group Teaching

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), PG Coursework Exchange. Ms Fran Everingham. **Session:** Semester 1. **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required. **Assumed Knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design. **Assessment:** Assignment based.

This unit examines the context of large group teaching with a particular focus on effective lectures and lecturing within and outside university settings. Lecture structure is considered in the light of recent evidence concerning the impact of memory, attention and motivation in the process of student learning and the transfer of learning. Design issues, such as strategies to engage deep learning, monitoring understanding, and flexibility offered by the new information and communication technologies are explored. Relevant micro skills of teaching, such as getting and keeping attention, explaining, variation, dynamic structuring and managing disruption are addressed.

Textbooks

Recommended:

Bligh, D (2000) What's the use of lectures? (Jossey Bass, San Francisco)

BIOS 5018 Health, Dysfunction and Ageing

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), PG Coursework Exchange. Dr Dana Strain (02) 9351 9140. [email:D.Strain@fhs.usyd.edu.au](mailto:D.Strain@fhs.usyd.edu.au). **Session:** Semester 1, Semester 2. **Classes:** Web CT. **Assessment:** Written assignment, Semesters 1 and 2, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence, with age, of certain diseases and syndromes / disorders, especially those with a tendency to become disabling. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented or resulting to further disability. The unit also provides an in-depth study of a specific aspect of individual student interest.

BIOS 5041 Biological Aspects of Ageing

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Knight (02) 9351 9339. **Session:** Semester 2. **Classes:** Independent learning package. No attendance required. **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

AHCD 5002 Program Planning and Evaluation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode. **Assessment:** written assignments.

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 5052 Indigenous Community Health

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. **Session:** Semester 1, Semester 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 5041 Introduction to Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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

REHB 5012 Medical Aspects of Disability

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews, email: l.matthews@fhs.usyd.edu.au. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** 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 'correctional' programs for both adult and juvenile offenders.

REHB 5022 Acquired Brain Injury Rehabilitation

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Mr Trevor Hawkins. **Session:** Semester 1. **Classes:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Distance Education.

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 PTSD

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews. Email: l.matthews@fhs.usyd.edu.au. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews. **Session:** Semester 1, 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Sandra Bentley (02) 9351 9115. Email: s.bentley@fhs.usyd.edu.au. **Session:** 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.

Textbooks

External study notes provided to all students.

Ivey, A *Intentional Interviewing* (latest edition)

Corey, G *Theory and Practice of Counseling* (latest edition)

REHB 5044 Vocational Development and Counselling

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Mr Trevor Hawkins. Email: t.hawkins@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Off-campus. Non-compulsory skills development workshops are offered to students. The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 8, namely, Vocational Assessment and Vocational Counselling. This unit looks at the theory of vocational choice and career development particularly as it relates to persons with disability. Students are provided with a framework for vocational counselling and are taken through the process of assisting individuals with career choice problems. Resources essential to providing vocational planning and career choice assistance are also explored with students. Non-compulsory skills development workshops are offered to students.

REHB 5045 Rehabilitation Theory

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Rosemary Pynor. Email: r.pynor@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Off-campus.

The aim of this unit of study is to challenge students' understanding of disability. The unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as passive recipients of the care of others, such as health professionals. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people, leading to more positive rehabilitation outcomes.

REHB 5048 Field Experience I

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Ms Tamatha Brewer. Email: t.brewer@fhs.usyd.edu.au. **Session:** Semester 2, 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.

Textbooks

Unit manual only

REHB 5049 Rehabilitation Counselling B

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Sandra Bentley (02) 9351 9115. Email: s.bentley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Off-campus. **Prerequisites:** Rehabilitation Counselling A REHB5043. **Corequisites:** Client Assessment and Job Placement REHB5050.

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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Mr Trevor Hawkins. **Session:** Semester 2. **Classes:** Off-campus. Optional one-day skills workshop. **Prerequisites:** Vocational Development and Counselling REHB5044. **Corequisites:** Rehabilitation Counselling B REHB5049.

The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 9, namely, Vocational Assessment and Vocational Training and Placement. This unit focuses on job analysis and the various ways in which the problem of accurately assessing the rehabilitation client's potential for re-entry to the workforce can be resolved. Students are also taught how to actively engage with the labour market in terms of assessing job suitability and negotiating with employers in order to secure job opportunities for persons with disability. The unit addresses the issue of accessing and analysing labour market information in order to guarantee the availability of job options generated for clients. Formats for writing vocational assessment reports and labour market analyses are presented and discussed. A one-day skills workshop on practical aspects of the unit is offered, but attendance is not compulsory.

REHB 5051 Rehabilitation and Case Management

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Mr Trevor Hawkins. Email: t.hawkins@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Off-campus. **Prerequisites:** Vocational Development and Counselling REHB5044. **Corequisites:** Client Assessment and Job Placement REHB5050.

The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competency 5, namely, Case and Case-load 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** Semester 2. **Classes:** Off-campus.

Students address the role of Australian anti-discrimination and guardianship legislation in delivering quality of life to people with disabilities.

REHB 5053 Workers Compensation and Rehabilitation

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. **Session:** 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

3 credit points. Grad Dip Rehab Cng, M Rehab Cng, PG Coursework Exchange. Ms Tamatha Brewer. Email: t.brewer@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** 385 hours over 5 weeks. **Prerequisites:** REHB5048 Field Experience I. 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

9 credit points. M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews. **Session:** Semester 1, Semester 2. **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

9 credit points. M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews. **Session:** Semester 1, 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

18 credit points. M Rehab Cng, PG Coursework Exchange. Dr Lynda Matthews. **Session:** 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.

22. School of Biomedical Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Graduate Program in Sexual Health

Program website :<http://www.usyd.edu.au/sexualhealth/> (http://www.usyd.edu.au/sexualhealth/)

The Graduate Program in 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. The program is offered in both distance and on campus delivery modes.

This program provides an internationally relevant, multi-disciplinary learning experience in human sexuality and sexual health. It 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 the Sexual Health Chapter of the Australian College of Physicians together with internationally renowned sexologists 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 in Sexual Health. These are:

- Graduate Certificate of Health Science (Sexual Health)
- Graduate Diploma of Health Science (Sexual Health)
- Master of Health Science (Sexual Health)

All courses in the Graduate Program in Sexual Health may be completed full-time or part-time.

In order to qualify for the award 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 award 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 Master's degree programs. Equivalent units of study completed in other tertiary programs may be credited towards the Graduate Certificate.

The Graduate Certificate course is offered in both distance delivery mode (Semester 1 and Semester 2 enrolments) and on-campus mode (Semester 2 enrolment).

Admission requirements

- A bachelor's degree or equivalent qualification, or
- 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 22.1.

Table 22.1: Graduate Certificate of Health Science (Sexual Health)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session	
Course code: SG030, Credit points for award: 24			
Full time minimum 1 semester			
Part time minimum 2 semesters			
Full-time mode			
Year1			
Semester 1			
BIOS 5069	Introduction to Sexual Health	6	Semester 1, Semester 2
BIOS 5070	Communication Skills in Sexual Health	6	Semester 1, Semester 2
Elective from List A 12			
Semester 1 total: 24 credit points			
Part-time mode			
Year1			
Semester 1			

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
BIOS 5069	Introduction to Sexual Health	6			Semester 1, Semester 2
BIOS 5070	Communication Skills in Sexual Health	6			Semester 1, Semester 2
Semester 1 total: 12 credit points					
Semester 2					
Electives from List A 12					
Semester 2 total: 12 credit points					
Electives - List A					
Students may choose from the electives listed below. Some electives will NOT be offered every year.					
Semester 1					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
BIOS 5058	Sexual Function and Dysfunction	4			Semester 1
BIOS 5067	Sexual Health Placement and Supervision	6			Semester 2, Semester 1
BIOS 5062	Sexuality in Illness and Disability	4			Semester 1
BIOS 5064	Reproductive Health	4			Semester 1
BIOS 5068	Legal & Ethical Issues in Sexual Health	4			Semester 1
BIOS 5072	Counselling in Sexual Health II	6	P Successful compeltion of: Communicatoyion Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060).		Semester 1
RHHG 5007	Clinical Reproductive Medicine	4			Semester 1
RHHG 5010	Reproductive Sciences	4			Semester 1
SEXH 5105	Sexually Transmissible Infections	4			Semester 1
SEXH 5200	Advanced STIs	6			Semester 1
SEXH 5206	Diagnostic Methods in Sexual Health	6	P Prerequisites apply to students in the Faculty of Health Sciences, undertaking the degrees of SCI09 M.HlthSc.(Sexual Hlth), SF057 Grad.Dip.HlthSc.(Sexual Hlth) and SG030 Grad.Cert.HlthSc.(Sexual Hlth) only. Prerequisites include all core units of the graduate program in Sexual Health in the Faculty of Health Sciences plusSEXH5014 Human Immunodeficiency Virus andSEXH5015 Sexually Transmissible Infections		Semester 1
Semester 2					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
BACH 5335	Design & Facilitation of Learning	6	A Knowledge pertaining to the content of what the participant will use as the basis of their educational design		Semester 2, Semester 1
BIOS 5061	Sexual Counselling Practicum	4			Semester 2
BIOS 5063	Sexuality and Ageing	4			Semester 2, Semester 1
BIOS 5065	Gender Issues in Sexuality	4			Semester 2
BIOS 5067	Sexual Health Placement and Supervision	6			Semester 2, Semester 1
BIOS 5071	Counselling in Sexual Health I	6			Semester 2
GSDD 5016	Sexuality and Developmental Disability	6	A 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.		Semester 2
RHHG 5005	Reproductive Sciences and Medicine	4			Semester 2
RHHG 5006	Reproductive, Maternal and Child Health	4			Semester 2
RHHG 5014	Fertility Control	2			Semester 2
RHHG 5021	Reproduction and Cancer	2			Semester 2
SEXH 5100	Social & Policy Aspects of Sexual Health	4			Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
SEXH 5101 Public Health Aspects of STD's	2						Semester 2
SEXH 5102 Public Health Aspects of HIV/AIDS	2						Semester 2
SEXH 5104 Human Immunodeficiency Virus Infection	4	A It is strongly recommended that students have completed the core modules before enrolling in this elective.					Semester 2
SEXH 5202 Advanced HIV Infection	6						Semester 2
SEXH 5204 Adolescent Sexual Health	4						Semester 2
SEXH 5205 Advanced Adolescent Sexual Health	6						Semester 2

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 master's degree program. Equivalent units of study completed in other tertiary programs may be credited towards the Diploma.

The Diploma course is offered in both distance delivery mode (Semester 1 and Semester 2 enrolments) and on-campus mode (Semester 2 enrolment).

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 22.2.

Table 22.2: Graduate Diploma of Health Science (Sexual Health)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SF057, Credit points for award: 36 credit points							
Full time minimum 2 semesters							
Part time minimum 3 semesters							
Full-time mode							
Year1							
Semester 1							
BIOS 5067 Sexual Health Placement and Supervision	6						Semester 2, Semester 1
BIOS 5069 Introduction to Sexual Health	6						Semester 1, Semester 2
BIOS 5070 Communication Skills in Sexual Health	6						Semester 1, Semester 2
<i>Semester 1 total: 18 credit points</i>							
Semester 2							
BIOS 5071 Counselling in Sexual Health 1	6						Semester 2
BIOS 5061 Sexual Counselling Practicum	4						Semester 2
Electives from List B 8 (see note 1 below)							
<i>Semester 2 total: 18 credit points</i>							
Part-time mode							
Year1							
Semester 1							
BIOS 5069 Introduction to Sexual Health	6						Semester 1, Semester 2
BIOS 5070 Communication Skills in Sexual Health	6						Semester 1, Semester 2
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
BIOS 5061 Sexual Counselling Practicum	4						Semester 2

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
BIOS 5071	Counselling in Sexual Health 1	6			Semester 2
Semester 2 total: 10 credit points					
Year 2					
Semester 1					
BIOS 5067	Sexual Health Placement and Supervision	6			Semester 2, Semester 1
Electives from List B 8 (see note 2 below)					
Semester 1 total: 14 credit points					
Electives - List B					
Students may choose from the electives listed below. Some electives will NOT be offered every year.					
Semester 1					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
BIOS 5058	Sexual Function and Dysfunction	4			Semester 1
BIOS 5062	Sexuality in Illness and Disability	4			Semester 1
BIOS 5064	Reproductive Health	4			Semester 1
BIOS 5068	Legal & Ethical Issues in Sexual Health	4			Semester 1
BIOS 5072	Counselling in Sexual Health II	6	P Successful compeltion of: Communicatyon Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060).		Semester 1
RHHG 5007	Clinical Reproductive Medicine	4			Semester 1
RHHG 5010	Reproductive Sciences	4			Semester 1
SEXH 5105	Sexually Transmissible Infections	4			Semester 1
SEXH 5200	Advanced STIs	6			Semester 1
SEXH 5206	Diagnostic Methods in Sexual Health	6	P Prerequisites apply to students in the Faculty of Health Sciences, undertaking the degrees of SCI09 M.HlthSc.(Sexual Hlth), SF057 Grad.Dip.HlthSc.(Sexual Hlth) and SG030 Grad.Cert.HlthSc.(Sexual Hlth) only. Prerequisites include all core units of the graduate program in Sexual Health in the Faculty of Health Sciences plusSEXH5014 Human Immunodeficiency Virus andSEXH5015 Sexually Transmissible Infections		Semester 1
Semester 2					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
BACH 5335	Design & Facilitation of Learning	6	A Knowledge pertaining to the content of what the participant will use as the basis of their educational design		Semester 2, Semester 1
BIOS 5063	Sexuality and Ageing	4			Semester 2, Semester 1
BIOS 5065	Gender Issues in Sexuality	4			Semester 2
GSDD 5016	Sexuality and Developmental Disability	6	A 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.		Semester 2
RHHG 5005	Reproductive Sciences and Medicine	4			Semester 2
RHHG 5006	Reproductive, Maternal and Child Health	4			Semester 2
RHHG 5014	Fertility Control	2			Semester 2
RHHG 5021	Reproduction and Cancer	2			Semester 2
SEXH 5100	Social & Policy Aspects of Sexual Health	4			Semester 2
SEXH 5101	Public Health Aspects of STD's	2			Semester 2
SEXH 5102	Public Health Aspects of HIV/AIDS	2			Semester 2
SEXH 5104	Human Immunodeficiency Virus Infection	4	A It is strongly recommended that students have completed the core modules before enrolling in this elective.		Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
SEXH 5202 Advanced HIV Infection	6						Semester 2
SEXH 5204 Adolescent Sexual Health	4						Semester 2
SEXH 5205 Advanced Adolescent Sexual Health	6						Semester 2

Notes

1. Electives can be taken in either Semester 1 or 2.
2. Electives can be taken in either Year 1 or 2.

Master of Health Science (Sexual Health)

This 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 Master's 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 22.3.

Table 22.3: Master of Health Science (Sexual Health)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition				Session
Course code: SCI09, Credit points for award: 48						
Full time minimum 2 semesters						
Part time minimum 4 semesters						
Full-time mode						
Semester 1						
BACH 5268	Developing A Research Proj ect	6	NB: Not available for Doctorof Health Science students			Semester 1, Semester 2
or (see note below)						
BIOS 5072	Counselling in Sexual Health II	6	P Successful compeltion of: Communicatyion Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060).			Semester 1
and						
BIOS 5058	Sexual Function and Dysfunction	4				Semester 1
BIOS 5069	Introduction to Sexual Health	6				Semester 1, Semester 2
BIOS 5070	Communication Skills in Sexual Health	6				Semester 1, Semester 2
Electives from List C 4(up to)						
Semester 1 total: 26 credit points						
Semester 2						
BACH 5268	Developing A Research Proj ect	6	NB: Not available for Doctorof Health Science students			Semester 1, Semester 2
or (see note below)						
BACH 5335	Design & Facilitation of Learning	6	A Knowledge pertaining to the content of what the participant will use as the basis of their educational design			Semester 2, Semester 1
and						
BIOS 5061	Sexual Counselling Practicum	4				Semester 2
BIOS 5067	Sexual Health Placement and Supervision	6				Semester 2, Semester 1
BIOS 5071	Counselling in Sexual Health 1	6				Semester 2
Electives from List C 6(up to)						
Semester 2 total: 22 credit points						

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Part-time mode					
Year1					
Semester 1					
BIOS 5069	Introduction to Sexual Health	6			Semester 1, Semester 2
BIOS 5070	Communication Skills in Sexual Health	6			Semester 1, Semester 2
Semester 1 total: 12 credit points					
Semester 2					
BIOS 5061	Sexual Counselling Practicum	4			Semester 2
BIOS 5071	Counselling in Sexual Health 1	6			Semester 2
Semester 2 total: 10 credit points					
Year 2					
Semester 1					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
or (see note below)					
BIOS 5072	Counselling in Sexual Health II	6	P Successful compeltion of: Communicatyion Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060).		Semester 1
and					
BIOS 5058	Sexual Function and Dysfunction	4			Semester 1
BIOS 5067	Sexual Health Placement and Supervision	6			Semester 2, Semester 1
Semester 1 total: 16 credit points					
Semester 2					
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students		Semester 1, Semester 2
or (see note below)					
BACH 5335	Design & Facilitation of Learning	6	A Knowledge pertaining to the content of what the participant will use as the basis of their educational design		Semester 2, Semester 1
and					
Electives from List C 10(up to)					
Semester 2 total: 10 credit points					
Note					
Students may choose either BACH 5268 or BACH 5335 or BIOS 5072.					
Electives - List C					
Students may choose from the electives listed below. Some electives will NOT be offered every year.					
Semester 1					
BIOS 5062	Sexuality in Illness and Disability	4			Semester 1
BIOS 5064	Reproductive Health	4			Semester 1
BIOS 5068	Legal & Ethical Issues in Sexual Health	4			Semester 1
BIOS 5072	Counselling in Sexual Health II	6	P Successful compeltion of: Communicatyion Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060).		Semester 1
RHHG 5007	Clinical Reproductive Medicine	4			Semester 1
RHHG 5010	Reproductive Sciences	4			Semester 1
SEXH 5200	Advanced STIs	6			Semester 1
SEXH 5206	Diagnostic Methods in Sexual Health	6	P Prerequisites apply to students in the Faculty of Health Sciences, undertaking the degrees of SCI09 M.HlthSc.(Sexual Hlth), SF057 Grad.Dip.HlthSc.(Sexual Hlth) and SG030 Grad.Cert.HlthSc.(Sexual Hlth) only. Prerequisites include all core units of the graduate program in Sexual Health in the Faculty of Health Sciences plusSEXH5014 Human Immunodeficiency Virus andSEXH5015 Sexually Transmissible Infections		Semester 1

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Semester 2								
BIOS 5063	Sexuality and Ageing		4					Semester 2, Semester 1
BIOS 5065	Gender Issues in Sexuality		4					Semester 2
GSDD 5016	Sexuality and Developmental Disability	6		A 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.				Semester 2
RHHG 5005	Reproductive Sciences and Medicine		4					Semester 2
RHHG 5006	Reproductive, Maternal and Child Health		4					Semester 2
RHHG 5014	Fertility Control		2					Semester 2
RHHG 5021	Reproduction and Cancer		2					Semester 2
SEXH 5100	Social & Policy Aspects of Sexual Health		4					Semester 2
SEXH 5101	Public Health Aspects of STD's		2					Semester 2
SEXH 5102	Public Health Aspects of HIV/AIDS		2					Semester 2
SEXH 5104	Human Immunodeficiency Virus Infection	4		A It is strongly recommended that students have completed the core modules before enrolling in this elective.				Semester 2
SEXH 5202	Advanced HIV Infection		6					Semester 2
SEXH 5204	Adolescent Sexual Health		4					Semester 2
SEXH 5205	Advanced Adolescent Sexual Health		6					Semester 2

Note

Students may choose either BACH 5268 or BACH 5335 or BIOS 5072. The unit BACH 5268 could be replaced by another research development unit at the discretion of the academic coordinator of the Graduate Program in Sexual Health.

Master of Applied Science (Biomedical Sciences) by Research - SC043

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 includes a minimal coursework component which will be necessary to facilitate the research projects.

Admission requirements

- A Bachelor of Applied Science degree from the Faculty of Health Sciences, at a credit level or higher; or
- A Bachelor of Applied Science degree from the Faculty of Health Sciences at an Honours level; or
- A bachelor's degree, preferably with a Biological background, from an Australian university, at credit level or higher; or
- A Bachelor of Medical Sciences degree; or
- A degree deemed to be equivalent to any of the above from a foreign university; or
- A master's degree by Coursework in a relevant/related area; or
- 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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis is the major component of the course. Coursework may be required where this is considered necessary for the development of the thesis.

Units of study

BACH 5268 Developing A Research Project

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cln), Cross Inst Enrolment - Phly, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert. DrKaye Brock. **Session:** Semester 1, Semester 2. **Classes:** 3 hrs/week semester 1 on campus/Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

BACH 5335 Design & Facilitation of Learning

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. **Session:** Semester 2, Semester 1. **Classes:** Paper-based independent learning modules plus one day workshop which will be scheduled together with the Sexual Counselling Practicum. **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 micro 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, parenting 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 5058 Sexual Function and Dysfunction

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Health Sciences PG Non Award, M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dr Patricia Weerakoon (e-mail: p.weerakoon@fhs.usyd.edu.au) BIOS Coordinator: Dr Patricia Weerakoon. **Session:** Semester 1. **Classes:** No on-campus attendance required.

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 5061 Sexual Counselling Practicum

4 credit points. Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Mark Anns (email: markanns@therapist.net) BIOS Coordinator: Dr Patricia Weerakoon. **Session:** Semester 2. **Classes:** Intensive face-to-face training, comprising lectures/demonstrations, small group discussions, role-plays and feedback.

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 and Disability

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: John Brown (e-mail: edu@acshp.org.au) BIOS Coordinator: Dr Patricia Weerakoon. **Session:** Semester 1. **Classes:** Distance education mode: no on-campus attendance required.

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 and Ageing

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dr Lesley Yee (e-mail: lyee@bigpond.com) BIOS Coordinator: Dr Peter Knight. **Session:** Semester 2, Semester 1. **Classes:** Distance education delivery - no on-campus attendance required.

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 indi-

vidual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

BIOS 5064 Reproductive Health

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Katherine Brown (e-mail: brownk@iahs.nsw.gov.au) BIOS Coordinator: Patricia Weerakoon.

Session: Semester 1. **Classes:** Distance education - no on-campus attendance required. 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

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dr Patricia Weerakoon (e-mail: p.weerakoon@fhs.usyd.edu.au) BIOS coordinator: Dr Patricia Weerakoon. **Session:** Semester 2. **Classes:** Distance education - no on-campus attendance required.

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 5067 Sexual Health Placement and Supervision

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Co-ordinator: Brett McCann (email: admin@impotenceaustralia.com.au) BIOS Co-ordinator: Dr Patricia Weerakoon (email: P.Weerakoon@fhs.usyd.edu.au). **Session:** Semester 2, Semester 1.

The aim of this unit of study is to provide the student with the opportunity to apply the competencies and skills learned in the other units in a practical field work situation. The student will have a choice of working in the research, education or counselling fields of sexual health. The University will assist the student to find a suitable professional placement and supervision. This will provide the opportunity for supervised training in sexual health. Students will gain

practical experience while reflecting on personal and professional learning goals. Students will be able to take theoretical sexual health models (in counselling, research or education) and utilise them within a practical field setting. At the end of the unit of study, the student will display a standard of skill in sexual health (education, research or counselling) deemed acceptable practice and based on the theoretical framework of the profession. The placement will consist of approximately 60 hours of supervised activities based on a learning contract negotiated between the student and supervisor in consultation with the unit of study co-ordinator. Assessment of performance in this unit of study will be based on feedback from the placement supervisor and reflective reporting both to peers and the course co-ordinator.

BIOS 5068 Legal & Ethical Issues in Sexual Health

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Co-ordinator: Patrick Power BIOS Co-ordinator: Dr Patricia Weerakoon (email: P.Weerakoon@fhs.usyd.edu.au). **Session:** Semester 1. **Classes:** External/distance mode: Web CT. No on-campus attendance required. **Assessment:** Assessments will include on-line asynchronous discussions and group work activities, as well as individual activity reports.

This unit of study aims to develop the student's understanding of legal and ethical issues relating to sexual health care. The major content of the unit will be based on the Australian legal system and laws applicable to sexuality and sexual health. Students will, however, be given the opportunity to examine other legal systems and laws and to engage in comparative dialogue.

The unit will introduce the student to criminal, civil, public health and anti-discrimination laws and their effect on sexuality and sexual health. An overview of the working of the law courts and such issues as the definition and description of a crime, the burden of proof and the role of an expert witness as relevant to sexuality and sexual health will be provided. The issues of giving expert witness in court and the preparation of court reports will be explored. As before, while these will be couched in an Australian context, the student will be encouraged to explore all issues in an international and global perspective. Students will be required to visit a law court in their locality and discuss this experience. Students will also explore the issues of "punishment" and "rehabilitation" as they apply to offences of a sexual nature.

BIOS 5069 Introduction to Sexual Health

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dr Patricia Weerakoon (e-mail: P.Weerakoon@fhs.usyd.edu.au) BIOS Coordinator: Dr Patricia Weerakoon. **Session:** Semester 1, Semester 2. **Classes:** Offered in off campus on-line learning mode in Semester 1 and Semester 2, and on campus face to face mode in semester 2.

This unit of study is designed to provide the student with an overview of sexual health and sexology as a science and as a profession. Sex, sexuality and sexual health will be approached in a holistic manner in keeping with the definitions of the World Health Organisation (WHO) and the World Association of Sexology (WAS). The history of sexual health and sexology will be presented in a manner as to encourage critical evaluation of personal and professional ideas and choices.

The unit will provide an understanding of the bio-psychosocial aspects of sexuality and health care in a manner such as to promote positive attitudes to sexuality and sexual health.

Students will work in a multi professional, multicultural environment and be encouraged to develop an awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries.

This unit of study will explore specific issues in sexology and sexual health such as

- Sexual Function and Dysfunction,
- Sexually Transmissible Infections and HIV,
- Ethical and legal issues in sexology.
- Sexual rights and factors that affect these.
- Sexuality in illness and disability,
- Sexuality and Aging.
- Sexuality in Pregnancy, Infertility and Contraceptive use.

This Unit 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. The on campus delivery mode will replace on-line discussions and activities with small group tutorials, presentations and seminars.

At the end of this introductory unit of study the students will

1. Develop an awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries
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
6. Develop an understanding of sexology as a science and profession.
7. Understand the way in which sexology developed over the years and the ways in which community knowledge, attitudes, values and beliefs developed over time.

BIOS 5070 Communication Skills in Sexual Health

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Mr Brett McCann, (e-mail: admin@impotenceaustralia.com.au), BIOS Coordinator: Dr Dariusz Skowronski. **Session:** Semester 1, Semester 2. **Classes:** Offered in off campus on-line learning mode in Sem 1 and Sem 2, and on campus face to face mode in Sem 2. **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.

This introductory Unit of Study will provide the students with an overview of the models of sexual health counselling and professional ethics in a multicultural and global context.

The students will explore ways of discussing and communicating with clients of varying socio-cultural groups on sexual health issues in the context of their own professional situation.

The students will be sensitised to their attitudes and beliefs in the area of sexual and reproductive health, and consider the range of attitudes, beliefs and values in the context of the clients religious and socio-cultural background.

The students will also explore ways of discussing and communicating with clients on sexual health issues in the context of the clients comfort and context and their own professional situation.

At the end of the UOS the student will be able to:

1. Have an understanding of the terminology of sexual health and be aware of the effect perceptions of meaning affect professional communication patterns.
2. Identify their own values and biases and discuss the effect these may have on their provision of sexual health care to clients.
3. Demonstrate an understanding of the principles of taking a history taking and be able to apply the PITS SIT management model in the students' professional context.
4. Be able to describe briefly the theories of general counselling.
5. Understand the range of personal and community agenda individuals bring to sexuality and sexual health, and how these affect professional communication
6. Describe changes in social definition and construction of sexuality over time and how these influence professional communication and practice.
7. Demonstrate an ability to perceive sexual health issues within local and global context.

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. . The on campus delivery mode will replace on-line discussions and activities with small group tutorials, presentations and seminars

BIOS 5071 Counselling in Sexual Health 1

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dariusz Skowronski BIOS Coordinator: Dariusz Skowronski. **Session:** Semester 2. **Classes:** Offered in off campus on-line learning mode. **Assessment:** 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.

This unit of study builds upon Communication Skills in Sexual Health BIOS 5057. Students may enrol concurrently in 5057 and 5060.

The unit of study will explore the range of counselling approaches related to sexuality and sexual expression. Students will look at the philosophical approaches, scientific background and evidence base for the more popular counselling approaches.

The students will explore the common patterns of presentations in sexual concerns and dysfunctions with special reference to cultural and socio-cultural influences. This unit will enable students to identify specific counselling models and understand the application of counselling models to the area of sexual health counselling, espe-

cially in the context of different cultural and socio-cultural backgrounds.

Specific topics will include:

The role of pattern recognition as part of the counselling process and the process of identifying common patterns underlying client presentations.

An overview of common counselling models (including Cognitive, Behavioural, systems theory, Solution Focussed and Narrative) and their application to sexual health.

An overview of non-formal and alternate methods of 'counselling' such as Tantric sex and Surrogacy.

Understanding the evidence base for counselling practice and assessing the effectiveness of counselling models.

Applying counselling models to different areas of sexual health.

Understanding the problems and issues in counselling such as cross cultural and religious factors related to sexual expression.

This unit of study will be offered in a distance mode, using Web CT (internet based).

BIOS 5072 Counselling in Sexual Health II

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Unit of Study Coordinator: Dr Dariusz Skowronski, BIOS Coordinator: Dr Dariusz Skowronski, D.Skowronski@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** off campus on-line learning mode. **Prerequisites:** Successful completion of: Communication Skills in Sexual Health (BIOS 5057) and Counselling Strategies in Sexual Health I (BIOS 5060). **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.

This unit of study builds upon the earlier units in the counselling stream, namely, Communication Skills in Sexual Health (BIOS 5070) and Counselling Strategies in Sexual Health I (BIOS 5071). Successful completion of these is a pre-requisite for enrolment in this unit of study.

This unit will provide the student an in depth knowledge of the common counselling models in sexual. These will include:

1. The PLISSIT model and its Application
2. The SNARCH model of counselling
3. Cognitive Behavioural Therapy
4. Systems Model

A critical analysis of these models in terms of their applicability and outcome in varying sexual health situations and socio-cultural groups will be explored.

Students will select one model that is most relevant to their personal and professional interest, and critically review the use and effectiveness in sexual health. They will then demonstrate their ability to apply this model in a hypothetical clinical situation, and defend the use of this method to the other members of the group.

This unit of study will be offered in a distance mode, using Web CT (internet based).

GSDD 5016 Sexuality and Developmental Disability

6 credit points. Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (D D), M Hlth Sc (Sexual Hlth), PG Coursework Exchange. Dr Kelley Johnson. **Session:** Semester 2. **Classes:** Distance education mode: no on-campus attendance required. **Assumed Knowledge:** Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability. **Assessment:** Individual report; group report; and evidence of group participation in on-line discussion.

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-sourced through the university library. The students will be expected to have access to computer details.

RHHG 5005 Reproductive Sciences and Medicine

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc M (R H & H G). Professor Robert Jansen. **Session:** Semester 2. **Classes:** 7 x 4 hours. **Assessment:** Essay assignment. This unit covers the following topics: reproductive cycle 1 (hypothalamus and pituitary); gamete approximation and fertilisation biology;

ovarian function, oogenesis and ovulation; testicular function, spermatogenesis, male accessory organs; sexual physiology; reproductive cycle 2 (ovary and genital tract); implantation, embryogenesis; placenta; fetal development - ultrasound perspective; endocrinology of pregnancy and parturition; lactation; puberty and menstruation; menopause; effects of reproductive steroids on metabolism and other body systems; gonadal differentiation and genital development.

RHHG 5006 Reproductive, Maternal and Child Health

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip P H, M Hlth Sc (Sexual Hlth), M M (R H & H G), M P H, M P H (Honours), M Sc M (R H & H G), Professor Ian Fraser. **Session:** Semester 2. **Classes:** 5 x 4 hours. **Assessment:** Essay assignment.

This unit identifies significant issues in reproductive, maternal and child health, gives an overview of existing services for these population groups, and emphasises preventive health programs.

RHHG 5007 Clinical Reproductive Medicine

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc M (R H & H G). Professor Robert Jansen. **Session:** Semester 1. **Classes:** 7 x 4 hours. **Assessment:** Essay assignment. This unit covers the following areas of reproductive medicine: puberty, virility and male infertility, menstrual cycle and menstrual symptoms, premenstrual syndrome, dysfunctional uterine bleeding, dysmenorrhoea, menopause, amenorrhoea, ovulation induction, endometriosis, spontaneous abortion and recurrent abortion, contraception, psychosexual disorders, venereal diseases, subfertility and infertility, reproductive technology, assisted conception. This course is based on pre-reading provided prior to each lecture and followed by a two-hour tutorial, during which case studies provide material for investigation and management discussions. This will enable participants to develop a problem-solving approach to clinical management. Participants are required to present a case on at least one occasion during the semester.

RHHG 5010 Reproductive Sciences

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc M (R H & H G). Professor Michael Sinosich. **Session:** Semester 1. **Classes:** 9 x 4 hours. **Assessment:** Essay assignment. This unit covers the following topics: cell structure and function; intracellular signalling and intercellular communication; cryobiology; steroidogenesis; steroid hormones and receptors; peptide hormone biochemistry and receptors; the social interaction of cells; regulation of cell division; molecular motors; contractility of smooth muscle, cilia and flagella; pathogenesis of PA11; rhesus incompatibility; XGR; recurrent abortion; protein structure and function, structure and function of complex carbohydrates; fetal monitoring; ultrasound, amniocentesis, CVS; radiation and thermal stress; birth defects and their causes; immunological processes in reproduction.

RHHG 5014 Fertility Control

2 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc M (R H & H G). Dr Edith Weisberg. **Session:** Semester 2. **Classes:** 4 x 3 hours. **Assessment:** Essay assignment.

This unit encourages a practical approach to fertility control and enables students to develop skills in the provision of contraceptive services. The following topics are covered: general issues in fertility control; contraceptive choice; benefits and risks of contraception; legal aspects; contraceptive counselling; availability of contraceptives; development of new contraceptives and details of specific methods of contraception including behavioural methods, barrier methods, intra-uterine devices, steroidal contraceptives, contra-contragestion and abortion, immunological methods, and status of male contraception. Lectures build on pre-reading provided. Tutorials require student presentation and discussion of issues. A written assignment is required during the semester. Assessment is based on presentations during tutorials and on the written assignment.

RHHG 5021 Reproduction and Cancer

2 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc M (R H & H G). Dr Alan Ferrier. **Session:** Semester 2. **Classes:** 3 x 4 hours. **Assessment:** Essay assignment.

This unit examines three areas of interest linking cancer, reproductive endocrinology and infertility. The first concerns the application of 'reproductive insurance' using cryopreservation of ovarian cortical biopsy specimens, mature oocytes, sperm and embryos in patients with cancer. The second area explores the evidence between infertility and its management, childlessness and common gynaecological cancers and the alleged increased incidence of testicular cancer. The third examines the alleged links between breast cancer and hormone replacement therapy in the menopause.

SEXH 5100 Social & Policy Aspects of Sexual Health

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, M Hlth Sc (Sexual Hlth), M M (STD/HIV), M N, M P H, M P H (Honours), M Sc M (STD/HIV). Dr Richard Hillman; Professor Adrian Mindel. **Session:** 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 (e.g. homosexuality), sex and disability, and pornography. The unit is aimed at students interested in sexuality and health (e.g. STD/HIV prevention or family planning) or in the sociology of health.

SEXH 5101 Public Health Aspects of STD's

2 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, M Hlth Sc (Sexual Hlth), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV). Dr Richard Hillman; Professor Adrian Mindel. **Session:** Semester 2. **Classes:** 2 hours per week, half 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

2 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, M Hlth Sc (Sexual Hlth), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV). Dr Richard Hillman, Professor Adrian Mindel. **Session:** 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

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M P H. Dr Richard Hillman. **Session:** Semester 2. **Classes:** On-line. Synchronous on-line discussions will be held at times convenient to the students. **Assumed Knowledge:** It is strongly recommended that students have completed the core modules before enrolling in this elective. **Assessment:** Assessment will include on-line quizzes, case based small group work assignments and individual activity reports.

Aims: This course aims to introduce the basic virology, immunology, clinical & therapeutic aspects of Human Immunodeficiency Virus (HIV) Infection. **Content:** Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A practical approach is emphasised, enabling the student to understand the basic principles of how HIV presents & how it is managed in a variety of settings.

Learning Objectives: At the end of the Unit of Study the student will be able to discuss:

1. The transmission of HIV from an individual & population perspective;
2. Interventions that are effective at reducing the spread of HIV infection;
3. The epidemiology of HIV;
4. Virological aspects of HIV;
5. The immunological response of the body to HIV infection;
6. The processes involved in testing for HIV infection;
7. The clinical responses of the body to HIV infection;
8. The therapeutic options available for those infected with HIV;
9. The social personal & community contexts of HIV infection

SEXH 5105 Sexually Transmissible Infections

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M P H. Dr Richard Hillman. **Session:** Semester 1. **Classes:** On-line. Synchronous on-line discussions will be held at times convenient to the students. **Assessment:** Assessment will include on-line quizzes, case based small group work assignments and individual activity reports.

Aims: This course aims to introduce the basic microbiology, diagnostic methods and therapeutic options relevant to the clinical management of the common Sexually Transmissible Infections (STIs).

Content: Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A syndromic approach is emphasized, enabling the student to understand the basic principles of how STIs present & how they are managed in a variety of settings.

Learning Objectives: At the end of the UOS the student will be able to discuss:

1. The spectrum of sexually transmissible pathogens;
2. The basic biology of the common agents infecting the genitourinary tract;
3. The epidemiology of sexually transmitted infections (STIs);
4. The common presentations of STIs; 5. How a sexual health examination is performed;
6. The types of tests used to diagnose STIs;
7. Some common sequelae of STIs;
8. The types of treatments available for STIs;
9. Public Health aspects of STIs, with particular emphasis on screening & other interventions;

SEXH 5200 **Advanced STIs**

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV). Dr Richard Hillman. **Session:** Semester 1. Classes: 3 hours lectures, 1 hour Journal Club per week during the Semester. Assessment: OSCE - 30%, Short Answer Paper 30%, Journal Club 10%, Multiple Choice 20%. **AIMS:** To describe the epidemiology, microbiology, pathogenesis, clinical features and management strategies for the common sexually transmitted infections (STIs).

HIV infection will only be covered in the context of its interactions with other STIs

CONTENT:

1. The basic anatomy, physiology and clinical skills required for the investigation of STIs.
2. The epidemiology, microbiology and clinical aspects of the following conditions: vaginal discharge, urethral discharge, genital ulceration, upper genital tract infections, sexually transmitted hepatitis, syphilis, anogenital warts & cancer, genital infestations and other conditions likely to present in a sexual health context.
3. The social contexts of STIs, in terms of the overcoming difficulties of access and the challenges faced in resource-poor settings.

LEARNING OBJECTIVES: At the end of the UOS the student will be able to:

1. Discuss the microbiology, pathogenesis and epidemiology of STIs
 2. Demonstrate an understanding of the clinical spectrum of STIs (asymptomatic infection, genital manifestations, extragenital manifestations and problems of the neonate)
 3. Demonstrate an understanding of the impact of STIs at individual and relationship levels.
- Demonstrate an understanding of how the sexual health needs of those with sexually transmitted infections differ with risk activity group and geographical location.

INSTRUCTIONAL FORMAT: Lectures, tutorials and web-based materials

SEXH 5202 **Advanced HIV Infection**

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV). Dr Richard Hillman. **Session:** Semester 2. Classes: 2 x 1 h Lectures/week; 2 x 2 h Practical Classes or Tutorials or Seminars/week. TOTAL 6 hours/week. Assessment: 70% Written examinations (OSCEs & Short Answer Papers, Short Notes, Assignments) 20% Multiple Choice Questions 10% Journal Review Presentation.

AIM: To describe the epidemiology, biology, pathogenesis and clinical contexts of HIV infection

CONTENT: Lectures and tutorials focuses on the following aspects of HIV infection:

1. Basic Sciences - diagnostics, virology, immunology and pathogenesis response to them and the issues surrounding their diagnosis and management.
2. Clinical Manifestations - from seroconversion to death
3. Social Contexts - the legal, ethical and sociological contexts of HIV infection

LEARNING OBJECTIVES: At the end of the elective, students should be able to:

1. discuss the diagnosis and clinical management of HIV infection.
2. describe the social contexts of HIV

INSTRUCTIONAL FORMAT:

1. Lectures
2. Practical
3. Tutorials

4. Journal Club
Online materials

SEXH 5204 **Adolescent Sexual Health**

4 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV). Dr Melissa Kang (Department of General Practice, Western Clinical School). **Session:** Semester 2. Classes: 12 hours Week 1 and 12 hours Week 12 face to face, combined lectures and workshops; online/ distance Weeks 2 - 11. Assessment: Continuous assessment including group activities, quizzes, participation, 500 - 1000 word essays.

Aims:

1. To introduce the constructs of adolescent sexuality
2. To explore the determinants of adolescent sexual health
3. To discuss the personal and public health implications of adolescent sexuality

Content:

Module 1: Adolescent sexuality

1. Who are adolescents?
2. Adolescent development:
3. the biopsychosocial and cultural framework for understanding adolescence
4. sexual identity formation
5. gender
6. Adolescent sexuality: Biological, psychological, social and cultural influences
7. Popular culture, the media and adolescent sexuality
8. Relationships: their role in adolescent sexual identity formation; how adolescents negotiate sexual relationships

Module 2: Same Sex Attraction

1. Social constructs
2. Historical perspectives
3. Cross Cultural perspectives

Module 3: Sexual health

1. What is sexual health?
2. Adolescent sexual behaviour
3. Morbidities associated with adolescent sexual health
4. Trends in adolescent sexual health including pregnancy, STIs
5. Sexual abuse

Module 4: Young women's sexual health

1. Sexual and reproductive health issues
2. Contraception
3. Pregnancy
4. Parenting
5. Sexually transmitted infections

Module 5: Young men's sexual health

1. Sexual and reproductive health issues
2. Contraception
3. Parenting
4. Sexually transmitted infections

Module 6: Communicating with adolescents

1. How to communicate with adolescents
2. Ways of promoting sexual health by teaching and facilitating communication between adolescents and others

Module 7: Public health aspects: epidemiology

1. Epidemiology including associated behaviours such as drug use
2. Special groups: eg Aboriginal young people, young people from culturally diverse backgrounds
3. Legal and ethical issues: historical perspectives, variations and ambiguities in the laws surrounding adolescent sexuality and sexual health and the potential implications of these

Module 8: Public health aspects: health promotion

1. Sexual health promotion: education, the media
2. Public health interventions in adolescent sexual health
3. Addressing and improving access to services

Learning Objectives: At the end of this Unit of Study, students will be able to describe the:

1. biological, developmental and socio-cultural contexts of adolescent sexual health
2. constructs, challenges and diversities of adolescent sexuality
3. techniques used to optimize communication with adolescents
4. legal, ethical and public health implications

Instructional Format: Blended face to face and online

SEXH 5205 **Advanced Adolescent Sexual Health**

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV). Dr Melissa Kang (Department of General Practice, Western Clinical School). **Session:** Semester 2. Classes: 12 hours Week 1 and 12

hours Week 12 face to face, combined lectures and workshops; online/ distance Weeks 2-11. **Assessment:** Continuous assessment including group activities, quizzes, participation, 500 - 1000 word essays plus 2500 word essay or field report.

Aims:

1. To introduce the constructs of adolescent sexuality
2. To explore the determinants of adolescent sexual health
3. To discuss the personal and public health implications of adolescent sexuality

Content:

Module 1: Adolescent sexuality

1. Who are adolescents?
2. Adolescent development:
3. the biopsychosocial and cultural framework for understanding adolescence
4. sexual identity formation
5. gender
6. Adolescent sexuality: Biological, psychological, social and cultural influences
7. Popular culture, the media and adolescent sexuality
8. Relationships: their role in adolescent sexual identity formation; how adolescents negotiate sexual relationships

Module 2: Same Sex Attraction

1. Social constructs
 2. Historical perspectives
 3. Cross Cultural perspectives
- Module 3: Sexual health
1. What is sexual health?
 2. Adolescent sexual behaviour
 3. Morbidities associated with adolescent sexual health
 4. Trends in adolescent sexual health including pregnancy, STIs
 5. Sexual abuse

Module 4: Young women's sexual health

1. Sexual and reproductive health issues
2. Contraception
3. Pregnancy
4. Parenting
5. Sexually transmitted infections

Module 5: Young men's sexual health

1. Sexual and reproductive health issues
2. Contraception
3. Parenting
4. Sexually transmitted infections

Module 6: Communicating with adolescents

1. How to communicate with adolescents
2. Ways of promoting sexual health by teaching and facilitating communication between adolescents and others

Module 7: Public health aspects: epidemiology

1. Epidemiology including associated behaviours such as drug use
2. Special groups: eg Aboriginal young people, young people from culturally diverse backgrounds
3. Legal and ethical issues: historical perspectives, variations and ambiguities in the laws surrounding adolescent sexuality and sexual health and the potential implications of these

Module 8: Public health aspects: health promotion

1. Sexual health promotion: education, the media
2. Public health interventions in adolescent sexual health
3. Addressing and improving access to services

Learning Objectives: At the end of this Unit of Study, students will be able to describe the:

1. describe the biological, developmental and socio-cultural contexts of adolescent sexual health
2. describe constructs, challenges and diversities of adolescent sexuality
3. describe techniques used to optimize communication with adolescents
4. describe legal, ethical and public health implications
5. understand and describe one area of adolescent sexual health that the student chooses to study in depth from a list of suggestions

Instructional Format: Blended face to face and online

SEXH 5206 Diagnostic Methods in Sexual Health

6 credit points. Grad Cert Hlth Sc (Sexual Health), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV), Dr Richard Hillman. **Session:** Semester 1. Classes: Blended Online - a one week practical session towards the end of the course will complement the online learning. **Prerequisites:** Prerequisites apply to students in the Faculty of Health Sciences, undertaking the degrees of SC109 M.HlthSc.(Sexual Hlth), SF057 Grad.Dip.HlthSc.(Sexual Hlth) and SG030 Grad.Cert.HlthSc.(Sexual Hlth) only. Prerequisites include all core units of the graduate program in Sexual Health in the Faculty

of Health Sciences plus SEXH5014 Human Immunodeficiency Virus and SEXH5015 Sexually Transmissible Infections. **Assessment:** Assessment will include on-line quizzes, case based small group work and an OSCE at the end of the practicum.

Aims: This course aims to introduce the common methods used in the diagnosis of infections with the common Sexually Transmissible Infections (STIs) and HIV.

Content: Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A practical approach is emphasized, enabling the student to understand the basic principles of how STIs & HIV are diagnosed & monitored.

Learning Objectives: At the end of the Unit of Study, the student will be able to discuss:

1. The principles of Infection Control
2. Methods used in diagnostic microbiology including specimen collection, storage & transport; specific diagnostic techniques & the interpretation of laboratory results
3. The principle methods of detection for the following organisms: Chlamydia trachomatis; Candida albicans; Genital mycoplasmas; Herpes simplex viruses; Human papillomaviruses; Molluscum contagiosum; Neisseria gonorrhoeae; Treponema pallidum; Trichomonas vaginalis; agents of tropical genital ulcerating conditions & genital ectoparasites
4. Methods used and interpretation of Hepatitis serology
5. Laboratory aspects of syndromic management: vaginal discharge; urethral discharge; rectal discharge & prostatism
6. The diagnosis HIV infection
7. The management of HIV infection
8. The diagnosis of HIV-related opportunistic infections & tumours
9. Genital cytological assessment

Instructional Format: Blended online

23. School of Communication Sciences and Disorders

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Postgraduate Coordinator (Research Programs): Dr Susan Balandin
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The School has one of the largest programs in communication sciences and disorders in Australia. It has its genesis in the first training of speech pathologists in Australia at Sydney's Royal Alexandra Hospital for Children under the leadership of the founder of Australian speech pathology, Elinor Wray. Because of its size and maturity, the School has an internationally reputed and published academic staff with a range of specialty and research areas in human communication sciences and communication disorders. Together, expert academics and master clinical staff offer a mentored and stimulating learning environment and research opportunities that are supported by the School's extensive facilities and resources.

Programs of study

The School of Communication Sciences and Disorders offers opportunities for postgraduate study in

- Master of Health Science (Speech-Language Pathology) which is a coursework-by-distance program for qualified speech pathologists
- Master of Speech Language Pathology: This is a professional entry coursework program that qualifies students to practice as speech pathologists
- Master of Communication Disorders by research
- Master of Applied Science (Communication Sciences and Disorders) by research
- Doctor of Philosophy (PhD) in areas related to communication sciences and disorders

The Master of Health Science (Speech-Language Pathology) is a coursework program offered by distance for speech pathologists who wish to focus their further study on specific aspects of their professional discipline. The Master of Communication Disorders course, provides speech pathologists with the opportunity to develop a specialisation via research. The Master of Applied Science (Communication Sciences and Disorders) course is a research program. Admission to this course is open to individuals with backgrounds in any area 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 each research program topics are individualised for students to meet their specific career objectives.

At the PhD level, study is directed to focused research on an area of communication sciences and/or 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 Cumberland 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 current University of Sydney Clinical Affiliates are the speech pathology services of: Bankstown Hospital, Hornsby Kuring-gai Hospital and Community Health Services, Liverpool Health Services, the New England Area Health Service, St Joseph's Hospital, Singapore General Hospital, the Spastic Centre and the Autism Association.

The School's Speech Science Laboratory 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 system, laryngograph, visipitch 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. The School also has excellent facilities and support for research in AAC.

Master of Health Science (Speech-Language Pathology) by coursework, off-campus

This master's degree is a coursework program open to qualified speech pathologists who wish to extend their knowledge and skills in speech language pathology fields. It is a two-year part-time degree (or one year full-time) offered by distance, with a 3-day on-campus workshop at the onset of the course. Students will need access to the internet as most work will be conducted on-line.

All units of study are directly relevant to becoming skilled consumers and producers of scholarship and research in speech pathology. This degree does not involve a research project, but will involve developing skills in critiquing, reviewing, evaluating and writing about research in speech pathology. As such it is very appropriate to those who wish to increase their skills in the principles and applications of evidence based practice. The course is offered in distance mode which enables students to study at times and locations that are convenient to them. The course uses WebCT which enables students to participate in a community of scholars with their peers and with academic staff who are internationally recognised experts in their field.

The focus of the course in Semester 1 is on developing academic scholarship and writing skills and research skills to investigate issues in speech pathology. In Semester 2 students undertake a unit which focuses on the current state of the discipline ("Trends in Speech Language Pathology"). In Semester 3 students are given the option of completing a unit which enables them to focus on a selected topic in speech pathology ("Clinical Review in Speech-Lang Pathology") or pursuing study in a related area such as public health, health administration etc by electing one or more units to 12 credit points from across the university. For their final units, students will undertake a QI project within their workplace and complete an evidence based practice review of an area related to their work in the units

"Research Led Practice" and "Applied Clinical Research". Students who are not in the workplace can undertake their electives in this semester.

This is a fee-paying course. Details of fees are available through the faculty administration.

Admission requirements

In order to qualify for admission, applicants shall possess:

(i) A bachelor's 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 need to use electronic information systems, a statement that they have access to a computer with Internet connection is a condition for admission.

Requirements for successful completion

(A) Computer requirements

This course uses WebCT as a teaching platform. Guidelines for computer requirements to use this system can be found at www.usyd.edu.au/webct/student_guides/Student_WebCT-guidefhs.pdf

guidefhs.pdf (http://www.usyd.edu.au/webct/studentguides/Student_WebCTguide_fhs.pdf)

When using a home computer or a computer off-campus, the minimum computer requirements are:

- PC running Windows 98 Second Edition, 2000 or XP
- Macintosh OS9, OS X v10.1, 10.2 or 10.3
- Modem 56k bps or faster

The University recommends that you use web browsers that officially supported by the WebCT Organisation, which include Internet Explorer, Netscape, AOL and Mozilla. More details about versions and browsers for Apple operating systems can be found in the website above.

(B) Part-time study assumes that students will be able to spend 20 hours per week working on this degree during the 16 week semester time if required. Students will need to spend about half that time connected to either WebCT or the university library system by computer.

(C) Academic writing, referencing and understandings about plagiarism are involved in this degree. If students feel concerned about their tertiary writing skills, especially if English is not their first language, undertaking a course in advanced writing skills independently of this degree is recommended. Use of the Faculty "Guide to Presentation of Assignments", particularly the sections on plagiarism and referencing is required. This may be found online at; www.fhs.usyd.edu.au/study/assign_guide.pdf (http://www.fhs.usyd.edu.au/study/assign_guide.pdf)

Course outline

The course outlines for the Master of Health Science (Speech-Language Pathology) (by coursework off-campus) are presented in Table 23.1 and Table 23.2.

Table 23.1: Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC084: Credit points for award: 48							
Part-time, 4 semesters							
Generalist stream part-time mode							
Year 2 (last offered in 2006 to students who enrolled in the course on or before 2004)							
Enrol in one of the following units that has not been previously completed upon consultation with the course coordinator.							
CSCD 5006	Literature Study: Child Lang & Phonology	12	P CSCD5002 Emerging Trends: Child Lang & Phonology and an approved Plan of Study. NB: Department permission required for enrolment.				Semester 2
CSCD 5007	Literature Study: Neurogenics	12	P CSCD 5003 Emerging Trends: Neurogenics and an approved Plan of Study. NB: Department permission required for enrolment.				Semester 2
CSCD 5009	Literature Study: Stuttering	12	P CSCD 5005 Emerging Trends: Stuttering, and an approved Plan of Study. NB: Department permission required for enrolment.				Semester 2
CSCD 5010	Specialist Study: Child Lang & Phonology	12	C CSCD 5006 Literature Study: Child Language and Phonology. NB: Department permission required for enrolment.				Semester 2
CSCD 5011	Specialist Study: Neurogenics	12	C CSCD 5007 Literature Study: Neurogenics NB: Department permission required for enrolment.				Semester 2
CSCD 5014	Specialist Study: Stuttering	12	C CSCD 5009 Literature Study: Stuttering NB: Department permission required for enrolment.				Semester 2
CSCD 5016	Literature Study: AAC	12	P CSCD 5015 Emerging Trends: AAC, and an approved Plan of Study NB: Department permission required for enrolment.				Semester 2

Table 23.2: Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC084: (Generalist or Specialist stream), Credit points for award: 48							
Part-time, 4 semesters							
Full-time, 2 semesters. The typical enrolment for this degree is part-time. Students wishing to enroll full-time should discuss their enrolment with the course co-ordinator.							

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Part-time mode			
Year 1 (first offered in 2006)			
Semester 1			
CSCD 5050	Scholarship in Speech Language Pathology	12	Semester 1
<i>Semester 1 total: 12 credit points</i>			
Semester 2			
CSCD 5051	Trends Speech Language Pathology	12	P CSCD5050 Scholarship in Speech Language Pathology Semester 2
<i>Semester 2 total: 12 credit points</i>			
Year 2 (first offered in 2007)			
Students do 1 of the options below			
Semester 1			
CSCD 5052	Clinical Review in Speech Lang Pathology	12	P CSCD5050 Scholarship in Speech-Language Pathology CSCD5051 Trends in Speech-Language Pathology Semester 1
or			
Elective 12 (see note below)			
<i>Semester 1 total: 12 credit points</i>			
Semester 2			
Students do 12 credit points from the following options.			
CSCD 5032	Research Led Practice	6	P CSCD5028 Language 3, CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5029 Neurogenics 2, CSCD5025 Specialist Studies 2, CSCD5031 Clinical Practice 2 Semester 2
CSCD 5033	Applied Clinical Research	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Language 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 Semester 2
Elective 12 (see note below)			
<i>Semester 2 total: 12 credit points</i>			
Note			
During their course students may select a unit or units of study at Master s level to a maximum of 12 credit points that are offered in distance mode from across the University, related to speech pathology practice; eg public health, research methods, culture and communication etc.			

Graduate Diploma in Communication Disorders

The Graduate Diploma in Communication Disorders is a one year full time course providing the basic scientific background for speech pathology and an introduction to clinical work. In order to practise as a speech pathologist, students must do an additional year in the Master of Speech Language Pathology (Master of Speech Language Pathology) which provides comprehensive training in all aspects of evidenced based clinical practice in speech pathology. At the completion of all units of study in the Graduate Diploma in Communication Disorders students can articulate into Year 2 of the Master of Speech Language Pathology. Both courses consist of lectures, seminars, practical work and student presentations along with a substantial clinical component.

This is a fee-paying course. Details of fees are available through the faculty administration.

Admission Requirements

The pre-requisite qualification for admission to the Graduate Diploma in Communication Disorders is a Bachelor level degree in linguistics, health, education, or the social, physical or biological sciences or an equivalent degree. Students will have achieved a minimum grade point average of credit level in the final year of their undergraduate degree. Students must have knowledge of formal linguistics (phonology, syntax, morphology & semantics), and functional linguistics (language as communication in social and cultural contexts) and skills in analysing syntax to complex clause levels using a traditional grammar. In addition, students must have a basic understanding of phonetics and phonology and a mastery of broad phonetic transcription. Preference will be given to students who have undertaken units

of study in basic research methods and data analysis and in cognitive and developmental psychology. Students may be required to undertake qualifying study if they do not have sufficient background in both behavioural and biomedical sciences. Entry will be competitive based on the applicants' academic record. The selection process will involve a review of transcripts and other evidence to confirm applicants meet the background knowledge requirements. Where more applicants exist than number of places available, applicants will be short listed on the basis of merit, including grade point average and may be required to attend for an interview. International applicants may apply to have the interview by phone.

Curriculum structure

The curriculum incorporates 10 compulsory units of study. On successful completion of these units of study the student could then enrol in the Master of Speech Language Pathology.

Requirements for successful completion

(A) Computer requirements

This course uses WebCT to supplement lectures. Guidelines for computer requirements to use this system can be found at www.usyd.edu.au/webct/student_guides/Student_WebCT-guide_fhs.pdf (http://www.usyd.edu.au/webct/student_guides/Student_WebCTguide_fhs.pdf). Computer facilities on campus give students access to WebCT. When using a home computer or a computer off-campus, the minimum computer requirements are:

- PC running Windows 98 Second Edition, 2000 or XP

- Macintosh OS9, OS X v10.1, 10.2 or 10.3
- Modem 56k bps or faster

(B) Academic writing, referencing and understandings about plagiarism are required for successful study in the Graduate Diploma in Communication Disorders. If students feel concerned about their tertiary writing skills, especially if English is not their first language, undertaking study in advanced writing skills independently of this award is recommended. Use of the Faculty "Guide to Presentation of Assignments", particularly the sections on plagiarism and referencing is required. This may be found online at www.fhs.usyd.edu.au/study/assign_guide.pdf (http://www.fhs.usyd.edu.au/study/assign_guide.pdf).

Course outline

The Graduate Diploma in Communication Disorders is comprised on 48 credit points and is structured around 2 academic blocks and 2 clinical blocks. The clinical blocks may occur outside normal semester times.

The academic program will require all students to attend in orientation week and for 13 teaching weeks in each semester.

The course outline for the Graduate Diploma in Communication Disorders is presented in Table 23.3.

Table 23.3: Graduate Diploma in Communication Disorders

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SF059, Credit points for award: 48					
Full-time*, on-campus, 2 semesters					
Year 1 (First offered 2006)					
Semester 1					
CSCD 5018	Core Studies	3	A Ability to transcribe normal adult speech in broad phonetic transcription. Understanding of basic linguistics, including grammatical analysis.		Semester 1
CSCD 5019	Speech Pathology Practice (Introduction)	3			Semester 1
CSCD 5020	Articulation and Phonology	6			Semester 1
CSCD 5021	Language 1	6			Semester 1
CSCD 5022	Specialist Studies 1	6			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
CSCD 5023	Swallowing and Neurogenics 1	6	A Basic understanding of neuroanatomy and physiology.		Semester 2
CSCD 5024	Language 2	6	A CSCD5021 Language 1, CSCD5020 Articulation and Phonology.		Semester 2
CSCD 5025	Specialist Studies 2	3	A Anatomy of the head and neck, thorax and respiratory system.		Semester 2
CSCD 5026	Professional Development 1	3			Semester 2
CSCD 5027	Clinical Practice 1	6	PCSCD5018 Core Studies, CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1.		Semester 2
Semester 2 total: 24 credit points					

Master of Speech Language Pathology

This program has been designed for graduates with a bachelor's degree in a relevant area. The curriculum is designed to enable students to learn in a way that resembles the clinical practice of speech pathology. Case based learning and clinical placements help students acquire the skills necessary to qualify and practice as speech pathologists in Australia.

Speech pathologists work with children and adults with communication difficulties. These communication difficulties include problems with speaking, understanding what people say, reading, writing, voice problems and stuttering. Speech pathologists also work with children and adults who have swallowing difficulties or need alternative ways to communicate.

Admission Requirements

Applicants for the Graduate Speech Pathology Program must possess:

(i) The award of Bachelor of Health Science (Hearing and Speech) from The University of Sydney; or

(ii) such studies as are deemed to be equivalent to (i). Equivalent programs may include an undergraduate degree in linguistics, health, education, speech and hearing or the social, physical or biological sciences. Students with these degrees will need to provide details of their previous tertiary studies with their application. In particular, unit descriptions of studies in the areas of human anatomy and physiology, neuroscience, psychology and sociology, research design/statistics, phonetics and linguistics should be submitted. Students without the requisite knowledge in each of these areas may be required to undertake qualifying units of study that may be done in a Summer School program or as bridging courses or by enrolment in undergraduate units of study.

Applicants should normally have at least a credit grade average in the final year/s of their undergraduate degree and have demonstrated adequate background knowledge of the speech pathology profession.

Curriculum Structure

The curriculum is designed around the competency requirements for speech pathology professional practice. The curriculum incorporates 17 compulsory units of study. These units will provide students

with the competencies expected of a beginning practitioner in speech pathology. Students with the requisite academic standard based on their results in Year 1 of the degree may apply to transfer into Honours in Year 2.

Course Outline

This course enables students with requisite knowledge and skills from their previous studies to undertake study in speech pathology.

The course will build on their existing knowledge. The course is comprised on 96 credit points and is structured around 4 academic blocks and 4 clinical blocks. The clinical blocks may occur outside normal semester times. The academic program will require all students (including part time students) to attend in orientation week and for 13 teaching weeks in each semester.

The course outline for the Master of Speech Language Pathology is presented in Table 23.4.

Table 23.4: Master of Speech Language Pathology (Pass)

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SCI 12, Credit points for award: 96								
Full-time, on-campus, 4 semesters								
Part-time, on-campus, 8 semesters								
Full-time mode								
Year1								
Semester 1								
CSCD 5018	Core Studies	3	A Ability to transcribe normal adult speech in broad phonetic transcription. Understanding of basic linguistics, including grammatical analysis.					Semester 1
CSCD 5019	Speech Pathology Practice (Introduction)	3						Semester 1
CSCD 5020	Articulation and Phonology	6						Semester 1
CSCD 5021	Language 1	6						Semester 1
CSCD 5022	Specialist Studies 1	6						Semester 1
Semester 1 total: 24 credit points								
Semester 2								
CSCD 5023	Swallowing and Neurogenics 1	6	A Basic understanding of neuroanatomy and physiology.					Semester 2
CSCD 5024	Language 2	6	A CSCD5021 Language 1, CSCD5020 Articulation and Phonology.					Semester 2
CSCD 5025	Specialist Studies 2	3	A Anatomy of the head and neck, thorax and respiratory system.					Semester 2
CSCD 5026	Professional Development 1	3						Semester 2
CSCD 5027	Clinical Practice 1	6	P CSCD5018 Core Studies, CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1.					Semester 2
Semester 2 total: 24 credit points								
Year 2 (First offered 2006)								
Semester 1								
CSCD 5028	Language 3	6	A CSCD 5021 Language 1 CSCD 5024 Language 2 CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research					Semester 1
CSCD 5029	Neurogenics 2	6	A CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research					Semester 1
CSCD 5030	Professional Development 2	6	P CSCD 5026 Professional Development 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3					Semester 1
CSCD 5031	Clinical Practice 2	6	P CSCD 5023 Swallowing and Neurogenice 1, CSCD 5024 Language 2, CSCD 5026 Professional Development 1, CSCD 5027 Clinical Practice 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3					Semester 1
Semester 1 total: 24 credit points								
Semester 2								
CSCD 5032	Research Led Practice	6	P CSCD5028 Language 3, CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5029 Neurogenics 2, CSCD5025 Specialist Studies 2, CSCD5031 Clinical Practice 2					Semester 2
CSCD 5033	Applied Clinical Research	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Language 3, CSCD5029 Neurogenics 2 CSCD5031 Clinical Practice 2					Semester 2
CSCD 5034	Clinical Practice 3	12	P CSCD5027 Clinical Practice 1, CSCD5028 Language 3 CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2, CSCD5031 Clinical Practice 2					Semester 2

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Semester 2 total: 24 credit points					
Part-time mode					
Year 1					
Semester 1					
CSCD 5018	Core Studies	3	A Ability to transcribe normal adult speech in broad phonetic transcription. Understanding of basic linguistics, including grammatical analysis.		Semester 1
CSCD 5019	Speech Pathology Practice (Introduction)	3			Semester 1
CSCD 5021	Language 1	6			Semester 1
Semester 1 total: 12 credit points					
Semester 2					
CSCD 5024	Language 2	6	A CSCD5021 Language 1, CSCD5020 Articulation and Phonology.		Semester 2
CSCD 5025	Specialist Studies 2	3	A Anatomy of the head and neck, thorax and respiratory system.		Semester 2
CSCD 5026	Professional Development 1	3			Semester 2
Semester 2 total: 12 credit points					
Year 2					
Semester 1					
CSCD 5020	Articulation and Phonology	6			Semester 1
CSCD 5022	Specialist Studies 1	6			Semester 1
Semester 1 total: 12 credit points					
Semester 2					
CSCD 5023	Swallowing and Neurogenics 1	6	A Basic understanding of neuroanatomy and physiology.		Semester 2
CSCD 5027	Clinical Practice 1	6	PCSCD5018 Core Studies, CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1.		Semester 2
Semester 2 total: 24 credit points					
Year 3					
Semester 1					
CSCD 5028	Language 3	6	A CSCD 5021 Language 1 CSCD 5024 Language 2 CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research		Semester 1
CSCD 5029	Neurogenics 2	6	A CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research		Semester 1
Semester 1 total: 12 credit points					
Semester 2					
CSCD 5030	Professional Development 2	6	P CSCD 5026 Professional Development 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3		Semester 1
CSCD 5031	Clinical Practice 2	6	P CSCD 5023 Swallowing and Neurogenics 1, CSCD 5024 Language 2, CSCD 5026 Professional Development 1, CSCD 5027 Clinical Practice 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3		Semester 1
Semester 2 total: 12 credit points					
Year 4					
Semester 1					
CSCD 5032	Research Led Practice	6	P CSCD5028 Language 3, CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5029 Neurogenics 2, CSCD5025 Specialist Studies 2, CSCD5031 Clinical Practice 2		Semester 2
CSCD 5033	Applied Clinical Research	6	P CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Language 3, CSCD5029 Neurogenics 2 CSCD5031 Clinical Practice 2		Semester 2
Semester 1 total: 12 credit points					
Semester 2					
CSCD 5034	Clinical Practice 3	12	P CSCD5027 Clinical Practice 1, CSCD5028 Language 3 CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2, CSCD5031 Clinical Practice 2		Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
<i>Semester 2 total: 12 credit points</i>			

Master of Speech Language Pathology (Honours)

At the end of Year 1 (48 credit points) students with academic performance that meets the criteria are able to transfer to a Master's Honours degree. The Master of Speech Language Pathology Honours degree is undertaken by coursework and a research dissertation. To be eligible for admission to this degree students must already be enrolled in the Master of Speech Language Pathology and have achieved at least a weighted average mark of 70 per cent in Year 1 coursework. Students who have achieved this level of performance may apply to have their enrolment transferred to the Honours degree.

In the Honours degree the research dissertation replaces 15 credit points of coursework.

To be awarded Honours, students must achieve at least a weighted average grade of 70% or above in all coursework, and must successfully complete a research dissertation of equivalent standard. Should a student fail to achieve the overall weighted average mark of 70% for coursework units of study, s/he may complete the dissertation but will not be awarded an Honours degree. There is a single grade of honours. Enrolment for the honours dissertation is a minimum of two semesters. Re-enrolment will be necessary if the dissertation cannot be submitted within that time frame.

The course outline for the Master of Speech Language Pathology (Honours) is presented in Table 23.4.1.

Table 23.4.1: Master of Speech Language Pathology (Honours)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code SCI 13, Credit points for award: 96			
Full-time, on-campus, 4 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2 (first offered in 2006)			
Semester 1			
CSCD 5028 Language 3	6	A CSCD 5021 Language 1 CSCD 5024 Language 2 CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research	Semester 1
CSCD 5029 Neurogenics 2	6	A CSCD 5023 Swallowing and Neurogenics 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research	Semester 1
CSCD 5031 Clinical Practice 2	6	P CSCD 5023 Swallowing and Neurogenics 1, CSCD 5024 Language 2, CSCD 5026 Professional Development 1, CSCD 5027 Clinical Practice 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3	Semester 1
CSCD 5035 Professional Development 2H	3	P CSCD5026 Professional Development 1 NB: This unit is a prerequisite for CSCD5034 Clinical Practice 3.	Semester 1
CSCD 5036 Research in Clinical Practice 1	3	NB: This unit is a prerequisite for Clinical Practice 3	Semester 1
<i>Semester 1 total: 24 credit points</i>			
Semester 2			
CSCD 5034 Clinical Practice 3	12	P CSCD5027 Clinical Practice 1, CSCD5028 Language 3 CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2, CSCD5031 Clinical Practice 2	Semester 2
CSCD 5037 Research in Clinical Practice 2	12	P CSCD 5036 Research in Clinical Practice 1	Semester 2
<i>Semester 2 total: 24 credit points</i>			

Master of Communication Disorders by research - SC044

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

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Master of Applied Science (Communication Sciences and Disorders) by research - SC052

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's 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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study

CSCD 5006 Literature Study: Child Lang & Phonology

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Dr Linda Hand. **Session:** Semester 2. **Classes:** Off-campus mode, independent study. **Prerequisites:** CSCD5002 Emerging Trends: Child Lang & Phonology and an approved Plan of Study. **Assessment:** written literature review, essay. *NB: Department permission required for enrolment.*

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 Literature Study: Neurogenics

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Ms Christine Sheard. **Session:** Semester 2. **Classes:** Off-campus, independent study. **Prerequisites:** CSCD 5003 Emerging Trends: Neurogenics and an approved Plan of Study. **Assessment:** written literature review, essay. *NB: Department permission required for enrolment.*

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 5009 Literature Study: Stuttering

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Dr Michelle Lincoln. **Session:** Semester 2. **Classes:** Off-campus, independent study. **Prerequisites:**

CSCD 5005 Emerging Trends: Stuttering, and an approved Plan of Study. **Assessment:** written literature review, essay.

NB: Department permission required for enrolment.

This unit extends the specific topics covered in the articulated Emerging Trends: Stuttering unit (CSCD5005). Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5010 Specialist Study: Child Lang & Phonology

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Dr Linda Hand. **Session:** Semester 2. **Classes:** Off-campus, independent study. **Corequisites:** CSCD 5006 Literature Study: Child Language and Phonology. **Assessment:** written literature review, essay.

NB: Department permission required for enrolment.

This unit extends or augments the specific topic examined in the articulated unit, CSCD 5006 Literature Study: Child Language and Phonology. Students prepare an indepth paper reflecting the major issues.

CSCD 5011 Specialist Study: Neurogenics

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Ms Christine Sheard. **Session:** Semester 2. **Classes:** Off-campus, independent study. **Corequisites:** CSCD 5007 Literature Study: Neurogenics. **Assessment:** written literature review, essay. *NB: Department permission required for enrolment.*

This unit extends or augments the specific topic examined in the articulated unit, CSCD 5007 Literature Study: Neurogenics. Students prepare an indepth paper reflecting the major issues.

CSCD 5014 Specialist Study: Stuttering

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Dr Michelle Lincoln. **Session:** Semester 2. **Classes:** Off-campus, independent study. **Corequisites:** CSCD 5009 Literature Study: Stuttering. **Assessment:** written literature review, essay. *NB: Department permission required for enrolment.*

This unit extends or augments the specific topic examined in the articulated unit CSCD 5009 Literature Study: Stuttering. Students prepare an indepth paper reflecting the major issues.

CSCD 5016 Literature Study: AAC

12 credit points. M Hlth Sc (Sp-Lan Path), PG Coursework Exchange. Dr Susan Balandin. **Session:** Semester 2. **Classes:** Off-campus mode, independent study. **Prerequisites:** CSCD 5015 Emerging Trends: AAC, and an approved Plan of Study. **Assessment:** written literature review, essay. *NB: Department permission required for enrolment.*

This unit extends the specific topics covered in the articulated unit CSCD5015 Emerging Trends: AAC. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5018 Core Studies

3 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus classes. **Assumed Knowledge:** Ability to transcribe normal adult speech in broad phonetic transcription. Understanding of basic linguistics, including grammatical analysis. **Assessment:** Written assignment, phonetics transcription exam, theory exam.

Advanced linguistics and phonetics study in the context of speech pathology practice and normal communication development. This unit is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD 5019 Speech Pathology Practice (Introduction)

3 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus. **Assessment:** Practical and written assignment.

An introduction to speech pathology practice with individuals with communication impairment in the on-campus clinic. Students will gain an understanding of communication and its components through various theoretical, experiential and practical activities. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD 5020 Articulation and Phonology

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 1. **Classes:** On campus.

Students will acquire an understanding of normal aspects of articulation and phonological development, the nature of phonological and articulatory impairments in children and techniques for assessment, analysis, diagnosis and intervention. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD 5021 Language 1

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 1. **Assessment:** Written assignment and examination.

Theoretical and applied knowledge in language development and disorders. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD 5022 Specialist Studies 1

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 1. **Assessment:** Progressive assessment, including viva and written examination. Assessment, diagnosis and management of specialist populations, including fluency and clients with complex communication needs. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD 5023 Swallowing and Neurogenics 1

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** Basic understanding of neuroanatomy and physiology. **Assessment:** Written assignment and examination. Central and peripheral nervous system dysfunction and description assessment and intervention for paediatric feeding and adult swallowing disorders, as well as for neurological speech and language disorders. Introduction to aphasia. This unit of study is a prerequisite for Clinical Practice 2, Research Led Practice and Applied Clinical Research.

CSCD 5024 Language 2

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** CSCD5021 Language 1, CSCD5020 Articulation and Phonology. **Assessment:** Written assignment and examination. Assessment, diagnosis and management of language disorders in school age and other populations. This unit of study is assumed knowledge for Language 3.

CSCD 5025 Specialist Studies 2

3 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 2. **Assumed Knowledge:** Anatomy of the head and neck, thorax and respiratory system. **Assessment:** Progressive assessment and written examination. Assessment, diagnosis and management of voice disorders. This unit of study is a prerequisite for Applied Clinical Research and Research Led Practice.

CSCD 5026 Professional Development 1

3 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Progressive assessment and written examination. Issues relevant to speech pathology practice and service delivery. Includes study of professional ethics, relevant state and federal legislation and work place contexts. This unit of study is a prerequisite for Clinical Practice 2 and Professional Development 2.

CSCD 5027 Clinical Practice 1

6 credit points. B Hlth Sc (Reh Cng) Hons, Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** CSCD5018 Core Studies, CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1. **Assessment:** Progressive competency based assessment. Clinical placement to develop clinical competencies related to client assessment and management, communication skills, report writing, case management and professional development. This unit of study is a prerequisite for Clinical Practice 2.

CSCD 5028 Language 3

6 credit points. MSLP, MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Ms Alison Purcell (02) 9351 9335, A.Purcell@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus. **Assumed Knowledge:** CSCD 5021 Language 1, CSCD 5024 Language 2, CSCD 5023 Swallowing and Neurogenics 1. **Assessment:** Written assignment and exam. **NB:** This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research. Assessment, diagnosis and intervention of children and adults with complex language problems, including those due to sensory, cognitive and developmental impairments.

CSCD 5029 Neurogenics 2

6 credit points. MSLP, MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Ms Christine Sheardphone (02) 9351 9695, C.Sheard@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On Campus. **Assumed Knowledge:** CSCD 5023 Swallowing and Neurogenics 1. **Assessment:** Written assignment and exam. **NB:** This unit is a prerequisite for CSCD5034 Clinical Practice 3, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research. Assessment, diagnosis and management of acquired aphasia and related cognitive communication impairments from perspectives of impairment, disability and handicap (limitation, activity and health/participation).

CSCD 5030 Professional Development 2

6 credit points. MSLP, PG Coursework Exchange, UG Study Abroad Program. Ms Belinda Kenny (02) 9351 9337, B.Kenny@fhs.usyd.edu.au. **Session:** Semester 1.

Prerequisites: CSCD 5026 Professional Development 1. **Assessment:** Progressive assessment and written assignments. **NB:** This unit is a prerequisite for CSCD5034 Clinical Practice 3. Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences and professional self regulation.

CSCD 5031 Clinical Practice 2

6 credit points. MSLP, MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Dr. Patricia McCabe (02) 9351 9747, P.McCabe@fhs.usyd.edu.au. **Session:** Semester 1. **Prerequisites:** CSCD 5023 Swallowing and Neurogenics 1, CSCD 5024 Language 2, CSCD 5026 Professional Development 1, CSCD 5027 Clinical Practice 1. **Assessment:** Progressive clinical evaluation based on professional competencies. **NB:** This unit is a prerequisite for CSCD5034 Clinical Practice 3. Students attend a speech pathology clinic to consolidate their client skills in areas required for competency as a beginning practitioner in speech pathology.

CSCD 5032 Research Led Practice

6 credit points. M Hlth Sc (Sp-Lan Path), M S L P, PG Coursework Exchange, UG Study Abroad Program. Dr Patricia McCabe (02) 9351 9747. Email: p.mccabe@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus plus distance component. **Prerequisites:** CSCD5028 Language 3, CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5029 Neurogenics 2, CSCD5025 Specialist Studies 2, CSCD5031 Clinical Practice 2. This unit will provide the opportunity for students to learn the skills needed for critical evaluation of literature pertinent to speech pathology practice and the principles underlying evidence-based practice. Students will focus on specific areas of specialised practice. These areas will be chosen to strengthen the student's professional portfolio demonstrating competencies in all required areas.

CSCD 5033 Applied Clinical Research

6 credit points. M Hlth Sc (Sp-Lan Path), M S L P, PG Coursework Exchange, UG Study Abroad Program. Ms Belinda Kenny (02) 9351 9337, B.Kenny@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus with distance component. **Prerequisites:** CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Language 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2. **Assessment:** Written assignments and examination. Students engage in in-depth study of a clinical issue or model and investigate its application and impact on research, practice, education, services and other relevant areas.

CSCD 5034 Clinical Practice 3

12 credit points. MSLP, MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Dr. Patricia McCabe (02) 9351 9747, P.McCabe@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus with distance component. **Prerequisites:** CSCD5027 Clinical Practice 1, CSCD5028 Language 3, CSCD5029 Neurogenics 2, CSCD5030 Professional Development 2, CSCD5031 Clinical Practice 2. **Assessment:** Progressive clinical evaluation based on professional competencies. Students attend various speech pathology clinical placements to consolidate their client skills in areas required for competency as a beginning practitioner in speech pathology.

CSCD 5035 Professional Development 2H

3 credit points. MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Ms Belinda Kenny (02) 9351 9337, B.Kenny@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus with distance component. **Prerequisites:** CSCD5026 Professional Development 1. **Assessment:** Progressive assessment and written assignments. **NB:** This unit is a prerequisite for CSCD5034 Clinical Practice 3. Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences and professional self regulation.

CSCD 5036 Research in Clinical Practice 1

3 credit points. MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Dr. Susan Balandin, (02) 9351 9334, S.Balandin@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus with distance component. **Assessment:** Participation in seminars; written assignment mid and end semester. **NB:** This unit is a prerequisite for Clinical Practice 3. Advanced investigation in nominated areas and development of a proposal for independent research. Students will also be required to develop a paper that demonstrates the application of academic literature to a clinical problem.

CSCD 5037 Research in Clinical Practice 2

12 credit points. MSLP (Hons), PG Coursework Exchange, UG Study Abroad Program. Dr. Susan Balandin, (02) 9351 9334, S.Balandin@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus with distance component. **Prerequisites:** CSCD 5036 Research in Clinical Practice 1. **Assessment:** Dissertation and seminar presentation. Students will carry out research under supervision. Students may be required to undertake and satisfactorily complete coursework as part of this unit. Students will submit their dissertation in journal article format.

CSCD 5050 Scholarship in Speech Language Pathology

12 credit points. M Hlth Sc (Sp-Lan Path). Dr Linda Hand, 02 9351 9286. Email: L.Hand@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** WebCT contact, variable. **Assessment:** Participation in WebCT based activities

Five exercises

Final assignment; mini literature review.

This unit provides students with an intensive course in library research and critique of speech pathology materials to make them sophisticated consumers of research and scholarship in the field of speech pathology, and to become academic level writers of reviews of this literature. Exercises utilising these developing skills will cover all the areas of the speech pathology field, and allow students to develop directions for further units of study.

Textbooks

None. Access to on-line journals required

CSCD 5051 Trends Speech Language Pathology

12 credit points. M Hlth Sc (Sp-Lan Path). Dr Linda Hand (02) 9351 9286. Email: L.Hand@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** WebCT contact, variable. **Prerequisites:** CSCD5050 Scholarship in Speech Language Pathology. **Assessment:** Participation in WebCT based activities

Two annotated bibliographies.

This unit will involve the students in conducting critiques of the literature across selected topic areas of speech language pathology; stuttering, voice, child language and phonology, neurogenic disorders, disability and diversity, and to write appropriate academic works in those areas.

Textbooks

None. Access to on-line journals required

24. School of Exercise and Sport Science

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 bachelor's degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields (or overseas equivalent). A background in anatomy or biomechanics and physiology is essential.

(ii) A bachelor's degree and additional qualification or experience as deemed appropriate by the Head of School.

Course outline

The course outline for the Graduate Certificate of Health Science (Exercise and Sport Science) is presented in Table 24.1.

Table 24.1: Graduate Certificate of Health Science (Exercise and Sport Science)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition				Session
Course code: SG026, Credit points for award: 24						
Full-time, 1 semester minimum						
Part-time, 2 semesters minimum						
Full-time mode						
Core units of study						
EXSS 5029	Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology			Semester 1
EXSS 5030	Human Mechanics	6				Semester 1
Select 12 credit points of electives 12						
Semester 1 total: 24 credit points						
Part-time mode						
Semester 1						
Core units of study						
EXSS 5029	Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology			Semester 1
EXSS 5030	Human Mechanics	6				Semester 1
Semester 1 total: 12 credit points						
Semester 2						
Select 12 credit points of electives 12						
Semester 2 total: 12 credit points						
Electives						
Semester 1						
EXSS 5047	Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)			Semester 1
EXSS 5050	Human Motor Learning and Control	6				Semester 1
Semester 2						
BACH 5337	Psychosocial Aspects of Exercise & Sport	6	A BACH1 130 Foundations of Health Sociology, or equivalent; and BACH1 132 Foundations of Psychology for Health Sci, or equivalent			Semester 2
EXSS 5036	Exercise and Rehabilitation	6				Semester 2
EXSS 5042	Kinesiology	4	A Basic anatomy and biomechanics NB: Department permission required for enrolment.			Semester 2
EXSS 5044	Advanced Exercise Physiology	6	A EXSS 5029 - Applied Physiology			Semester 2
EXSS 5046	Sports Biomechanics	6	P EXSS5030 Human Mechanics			Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EXSS 5048 Exercise Throughout the Lifespan	6	A Physiology, Exercise Physiology					Semester 2
EXSS 5049 Athlete Exercise Testing and Training	6	A Applied Physiology EXSS5029					Semester 2
EXSS 5051 Clinical Biomechanics	6	P EXSS 5030 Human Mechanics					Semester 2
The following electives are available to students enrolled prior to 2006 upon consultation with the course coordinator.							
EXSS 5033 Advanced Cardiorespiratory Physiology	4	NB: Department permission required for enrolment.					Semester 2
EXSS 5035 Applied Biomechanics	6	NB: Department permission required for enrolment.					Semester 2
EXSS 5039 Exercise Testing and Prescription II	4	A Applied Physiology EXSS5029 NB: Department permission required for enrolment.					Semester 2
EXSS 5040 Exercise and Ageing	4	NB: Department permission required for enrolment.					Semester 2

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 bachelor's degree (Pass or Honours) in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields (or overseas equivalent). 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 24.2.

Students completing the Graduate Diploma of Health Science (Exercise and Sport Science) (36 credit points) with a credit grade average may apply to progress to the Master of Exercise and Sport Science course.

Table 24.2: Graduate Diploma of Health Science (Exercise and Sport Science)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SF054, Credit points for award: 36							
Part-time, 2 semesters minimum							
Part-time mode							
Semester 1							
Core units of study							
EXSS 5029 Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology					Semester 1
EXSS 5030 Human Mechanics	6						Semester 1
Select 12 credit points of electives 12							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
Select 12 credit points of electives 12							
<i>Semester 2 total: 12 credit points</i>							
Electives							
Semester 1							
EXSS 5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)					Semester 1
EXSS 5050 Human Motor Learning and Control	6						Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Semester 2							
BACH 5337 Psychosocial Aspects of Exercise & Sport	6	A BACH1 130 Foundations of Health Sociology, or equivalent; and BACH1 132 Foundations of Psychology for Health Sci, or equivalent					Semester 2
EXSS 5036 Exercise and Rehabilitation	6						Semester 2
EXSS 5042 Kinesiology	4	A Basic anatomy and biomechanics NB: Department permission required for enrolment.					Semester 2
EXSS 5044 Advanced Exercise Physiology	6	A EXSS 5029 - Applied Physiology					Semester 2
EXSS 5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics					Semester 2
EXSS 5048 Exercise Throughout the Lifespan	6	A Physiology, Exercise Physiology					Semester 2
EXSS 5049 Athlete Exercise Testing and Training	6	A Applied Physiology EXSS5029					Semester 2
EXSS 5051 Clinical Biomechanics	6	P EXSS 5030 Human Mechanics					Semester 2
The following electives are available to students enrolled prior to 2006 upon consultation with the course coordinator.							
EXSS 5033 Advanced Cardiorespiratory Physiology	4	NB: Department permission required for enrolment.					Semester 2
EXSS 5035 Applied Biomechanics	6	NB: Department permission required for enrolment.					Semester 2
EXSS 5039 Exercise Testing and Prescription II	4	A Applied Physiology EXSS5029 NB: Department permission required for enrolment.					Semester 2
EXSS 5040 Exercise and Ageing	4	NB: Department permission required for enrolment.					Semester 2

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 Master's 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 con-

tingent 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 24.3.

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 24.3: Master of Health Science (Exercise and Sport Science) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC080, Credit points for award: 48							
Part-time, 4 semesters							
Part-time mode							
Year 2 (last offered in 2006)							
Semester 1							
Select a total of 12 credit points of electives 12							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
Select a total of 12 credit points of electives 12							
<i>Semester 2 total: 12 credit points</i>							

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Electives				
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.				
Semester 1				
EXSS 5047	Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)	Semester 1
EXSS 5050	Human Motor Learning and Control	6		Semester 1
Semester 2				
BACH 5337	Psychosocial Aspects of Exercise & Sport	6	A BACH1 130 Foundations of Health Sociology, or equivalent; and BACH1 132 Foundations of Psychology for Health Sci, or equivalent	Semester 2
EXSS 5036	Exercise and Rehabilitation	6		Semester 2
EXSS 5042	Kinesiology	4	A Basic anatomy and biomechanics NB: Department permission required for enrolment.	Semester 2
EXSS 5044	Advanced Exercise Physiology	6	A EXSS 5029 - Applied Physiology	Semester 2
EXSS 5046	Sports Biomechanics	6	P EXSS5030 Human Mechanics	Semester 2
EXSS 5048	Exercise Throughout the Lifespan	6	A Physiology, Exercise Physiology	Semester 2
EXSS 5049	Athlete Exercise Testing and Training	6	A Applied Physiology EXSS5029	Semester 2
EXSS 5051	Clinical Biomechanics	6	P EXSS 5030 Human Mechanics	Semester 2
The following electives are available to students enrolled prior to 2006 upon consultation with the course coordinator.				
EXSS 5033	Advanced Cardiorespiratory Physiology	4	NB: Department permission required for enrolment.	Semester 2
EXSS 5035	Applied Biomechanics	6	NB: Department permission required for enrolment.	Semester 2
EXSS 5039	Exercise Testing and Prescription II	4	A Applied Physiology EXSS5029 NB: Department permission required for enrolment.	Semester 2
EXSS 5040	Exercise and Ageing	4	NB: Department permission required for enrolment.	Semester 2

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 Master's 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) (Honours) is presented in Table 24.3.1.

Table 24.3.1: Master of Health Science (Exercise and Sport Science) Honours

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code: SC094, Credit points for award: 60	
Full-time, 3 semesters	
Part-time, 5 semesters	
Full-time mode	
Year 1 (last offered in 2006)	
As per Pass course	

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Year 2							
Semester 1							
EXSS 5037	Research Dissertation	12					Semester 2, Semester 1
<i>Semester 1 total: 12 credit points</i>							
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3							
Semester 1							
EXSS 5037	Research Dissertation	12					Semester 2, Semester 1
<i>Semester 1 total: 12 credit points</i>							

Master of Exercise and Sport Science (Sports Performance)

This course aims to provide advanced study in the broad discipline of exercise and sport science as it applies to elite sportspersons. It is designed to equip graduates with an in depth understanding of advanced exercise physiology, sports biomechanics, athlete assessment and exercise program prescription for elite sports performance. Sport specific studies related to nutrition and psychosocial attributes may also be undertaken.

Admission requirements

The programs Graduate Diploma, Master and Master's Honours, constitute a progressive sequence. All candidates are required to initially enrol in the Graduate Diploma. Applied Physiology (EXSS 5029) and Human Mechanics (EXSS 5030) are compulsory. Subsequent progression to the Master's program is contingent on the

student achieving a Credit grade average in the first 24 credit points of study undertaken. Progression 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 outlines for the Master of Exercise and Sport Science (Sports Performance) Pass and Honours courses are presented in Table 24.4 and Table 24.4.1.

Table 24.4: Master of Exercise and Sport Science (Sports Performance) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC127, Credit points for award: 48							
Full-time, 2 semesters							
Part-time, 4 semesters							
Full-time mode							
Year 1 (first offered in 2006)							
Semester 1							
Core units of study							
EXSS 5029	Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology				Semester 1
EXSS 5030	Human Mechanics	6					Semester 1
EXSS 5047	Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)				Semester 1
EXSS 5050	Human Motor Learning and Control	6					Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
Core units of study							
EXSS 5044	Advanced Exercise Physiology	6	A EXSS 5029 - Applied Physiology				Semester 2
EXSS 5046	Sports Biomechanics	6	P EXSS5030 Human Mechanics				Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EXSS 5049 Athlete Exercise Testing and Training	6	A Applied Physiology EXSS5029					Semester 2
Select a total of 6 credit points of electives 6							
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year 1 (first offered in 2006)							
Semester 1							
Core units of study							
EXSS 5029 Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology					Semester 1
EXSS 5030 Human Mechanics	6						Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
EXSS 5044 Advanced Exercise Physiology	6	A EXSS 5029 - Applied Physiology					Semester 2
EXSS 5046 Sports Biomechanics	6	P EXSS5030 Human Mechanics					Semester 2
<i>Semester 2 total: 12 credit points</i>							
Year 2 (first offered in 2007)							
Semester 1							
EXSS 5047 Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)					Semester 1
EXSS 5050 Human Motor Learning and Control	6						Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
EXSS 5049 Athlete Exercise Testing and Training	6	A Applied Physiology EXSS5029					Semester 2
Select a total of 6 credit points of elective 6							
<i>Semester 2 total: 12 credit points</i>							
Electives							
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.							
Semester 2							
BACH 5337 Psychosocial Aspects of Exercise & Sport	6	A BACH1 130 Foundations of Health Sociology, or equivalent; and BACH1 132 Foundations of Psychology- for Health Sci, or equivalent					Semester 2
EXSS 5042 Kinesiology	4	A Basic anatomy and biomechanics NB: Department permission required for enrolment.					Semester 2

Table 24.4.1: Master of Exercise and Sport Science (Sports Performance) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC128, Credit points for award: 60							
Full-time, 3 semesters							
Part-time, 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2							
Semester 1							
EXSS 5037 Research Dissertation	12						Semester 2, Semester 1
<i>Semester 1 total: 12 credit points</i>							

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Part-time mode					
Years 1 and 2					
As per Pass course					
Year 3					
Semester 1					
EXSS 5037	Research Dissertation	12			Semester 2, Semester 1
Semester 1 total: 12 credit points					

Master of Exercise and Sport Science (Clinical Exercise Science)

This course aims to provide advanced study in the broad discipline of clinical exercise physiology and biomechanics as it applies to rehabilitation of individuals with disease or disability. It is designed to equip graduates with an in depth understanding of applied physiology, clinical 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. Clinical exercise studies related to nutrition and psychosocial attributes may also be undertaken.

Admission requirements

The programs Graduate Diploma, Master and Master's Honours, constitute a progressive sequence. All candidates are required to initially enrol in the Graduate Diploma. Applied Physiology (EXSS 5029) and Human Mechanics (EXSS 5030) are compulsory. Sub-

sequent progression to the Master's program is contingent on the student achieving a Credit grade average in the first 24 credit points of study undertaken. Progression 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 outlines for the Master of Exercise and Sport Science (Clinical Exercise Science) Pass and Honours courses are presented in Table 24.5 and Table 24.5.1.

Table 24.5: Master of Exercise and Sport Science (Clinical Exercise Science) Pass course

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code: SC129, Credit points for award: 48					
Full-time, 2 semesters					
Part-time, 4 semesters					
Full-time mode					
Year 1 (first offered in 2006)					
Semester 1					
Core units of study					
EXSS 5029	Applied Physiology	6	A Good working knowledge by students of basic human biochemistry and physiology		Semester 1
EXSS 5030	Human Mechanics	6			Semester 1
EXSS 5047	Nutrition for Health, Exercise and Sport	6	A Undergraduate biology and physiology (biochemistry is desirable)		Semester 1
EXSS 5050	Human Motor Learning and Control	6			Semester 1
Semester 1 total: 24 credit points					
Semester 2					
Core units of study					
EXSS 5036	Exercise and Rehabilitation	6			Semester 2
EXSS 5048	Exercise Throughout the Lifespan	6	A Physiology, Exercise Physiology		Semester 2
EXSS 5051	Clinical Biomechanics	6	P EXSS 5030 Human Mechanics		Semester 2
Select a total of 6 credit points of elective 6					
Semester 2 total: 24 credit points					

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A:</i>	<i>Assumed knowledge</i>	<i>P:</i>	<i>Prerequisites</i>	<i>Q:</i>	<i>Qualifying</i>	<i>C:</i>	<i>Corequisites</i>	<i>N:</i>	<i>Prohibition</i>	<i>Session</i>
Part-time mode														
Year 1 (first offered in 2006)														
Semester 1														
Core units of study														
EXSS 5029	Applied	Physiology	6	A	Good working knowledge by students of basic human biochemistry and physiology									Semester 1
EXSS 5030	Human Mechanics		6											Semester 1
<i>Semester 1 total: 12 credit points</i>														
Semester 2														
EXSS 5048	Exercise Throughout the Lifespan		6	A	Physiology, Exercise Physiology									Semester 2
EXSS 5051	Clinical Biomechanics		6	P	EXSS 5030 Human Mechanics									Semester 2
<i>Semester 2 total: 12 credit points</i>														
Year 2 (first offered in 2007)														
Semester 1														
Core units of study														
EXSS 5047	Nutrition for Health, Exercise and Sport		6	A	Undergraduate biology and physiology (biochemistry is desirable)									Semester 1
EXSS 5050	Human Motor Learning and Control		6											Semester 1
<i>Semester 1 total: 12 credit points</i>														
Semester 2														
EXSS 5036	Exercise and Rehabilitation		6											Semester 2
Select a total of 6 credit points of elective 6														
<i>Semester 2 total: 12 credit points</i>														
Electives														
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.														
Semester 2														
BACH 5337	Psychosocial Aspects of Exercise & Sport	6	A	BACHI 130 Foundations of Health Sociology, or equivalent; and BACHI 132 Foundations of Psychology for Health Sci, or equivalent										Semester 2
EXSS 5042	Kinesiology		4	A	Basic anatomy and biomechanics NB: Department permission required for enrolment.									Semester 2
EXSS 5044	Advanced Exercise Physiology		6	A	EXSS 5029 - Applied Physiology									Semester 2

Table 24.5.1: Master of Exercise and Sport Science (Clinical Exercise Science) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A:</i>	<i>Assumed knowledge</i>	<i>P:</i>	<i>Prerequisites</i>	<i>Q:</i>	<i>Qualifying</i>	<i>C:</i>	<i>Corequisites</i>	<i>N:</i>	<i>Prohibition</i>	<i>Session</i>
Course code: SCI30, Credit points for award: 60														
Full-time, 3 semesters														
Part-time, 5 semesters														
Full-time mode														
Year 1														
As per Pass course														
Year 2														
Semester 1														
EXSS 5037	Research Dissertation		12											Semester 2, Semester 1
<i>Semester 1 total: 12 credit points</i>														

Unit	of	Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3			
Semester 1			
EXSS 5037	Research Dissertation	12	Semester 2, Semester 1
Semester 1 total: 12 credit points			

Master of Applied Science (Exercise and Sport Science) by Research - SC120

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 includes 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 shall possess a bachelor's 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 by the Faculty for the coursework component of the Master of Applied Science (Exercise and Sport Science) by Research degree.

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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study

BACH 5337 Psychosocial Aspects of Exercise & Sport

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc). Dr Ian Andrews. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** BACH1130 Foundations of Health Sociology, or equivalent; and BACH1132 Foundations of Psychology for Health Sci, or equivalent. **Assessment:** Two 3000 word assignments (50% each). 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.

This unit of study will be offered on campus supported with web CT resources.

Textbooks

There is no set text. Readings will be recommended.

EXSS 5029 Applied Physiology

6 credit points. Cross Inst Enrolment - Phyt, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Ex&SpSc), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Mr Tom Gwinn (02) 9351 9569. **Session:** Semester 1. **Classes:** 2 hours lecture plus 2 hours practical. **Assumed Knowledge:** Good working knowledge by students of basic human biochemistry and physiology. **Assessment:** Mid semester exam, End of semester exam, practical assignments.

The subject has a major emphasis on the responses of skeletal muscle metabolism to the acute stress imposed by exercise, and how muscle metabolism is altered by endurance training. Respiratory gas analysis of whole body metabolism is used to investigate muscle metabolism, and students will gain skills in both practical aspects of collection of gas exchange data and in the calculation and interpretation of data in terms of oxygen consumption, carbon dioxide production and fuel oxidation. In addition the acute cardiovascular and respiratory responses to exercises are examined and cardio-vascular adaptations to training are discussed. This unit of study will be offered by full time and part time coursework on campus.

EXSS 5030 Human Mechanics

6 credit points. Cross Inst Enrolment - Phyt, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Ex&SpSc), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Associate Professor Richard Smith. **Session:** Semester 1. **Classes:** Normal Evening 2 hours lecture, 2 hours practical. **Assessment:** Assignment and examinations.

This unit aims to investigate the relationship between the anatomical structure, mechanical properties and function of the human body during sport and exercise. The unit begins with an examination of the mechanical properties of muscle, considers the implications of their arrangement on the skeleton and studies the coordination requirements for functional movement. Methods of estimation of muscle 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. This knowledge is finally integrated in a practical investigation of the mechanisms of walking. The skills of critical thinking, intellectual curiosity, problem solving, logical and independent thought, will be stimulated by reading, discussion, team work in laboratory classes and class exercises. This unit of study will be offered by full time and part time coursework on campus.

Textbooks

Skeletal muscle structure and function. Leiber, R.I.

EXSS 5033 Advanced Cardiorespiratory Physiology

4 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Dr Chin Moi Chow. **Session:** Semester 2.

NB: Department permission required for enrolment.

This program expands upon the physiological responses to exercise and training dealt with in Applied Physiology, with particular reference to the cardiorespiratory 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

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Dr Peter Sinclair. **Session:** Semester 2. **Classes:** On-campus 4 hours/week. **Assessment:** Assignment and examinations.

NB: Department permission required for enrolment.

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.

Textbooks

Introduction to Sports Biomechanics. Bartlett, R.

EXSS 5036 Exercise and Rehabilitation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Ex&SpSc), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. A/Prof Glen Davis. **Session:** Semester 2. **Classes:** 2 hours lecture, 2 hours practical per week. **Assessment:** Assignment and final examination.

This unit considers the application of exercise science to the promotion and maintenance of health, and within rehabilitation. The health risks associated with a sedentary lifestyle, as evidenced by exercise epidemiology and experimental exercise interventions are reviewed. The pathophysiological bases of exercise limitations in cardiovascular and respiratory disease, and the clinical use of exercise testing in these disorders are investigated. Using pathophysiology as a basic strategic approach to therapeutic exercise prescription and training are determined for each disorder. The principles of sports injury rehabilitation and exercise in musculoskeletal rehabilitation are reviewed briefly. Throughout the unit, there is strong emphasis on the biological basis of the application of exercise to health promotion, and rehabilitation in optimising function in the daily life of people with chronic health disorders and injury. Close integration with the unit Applied Physiology highlights the interactions between disease and normal exercise physiology. This unit of study will be offered by full time and part time coursework on campus

EXSS 5037 Research Dissertation

12 credit points. M Ex & Sp Sc (Sp Perf) (Hons), M Ex & Sp Sc (Clin Ex Sc) (Hons), M Hlth Sc (Ex & Sp Sc) Hons, PG Coursework Exchange. **Session:** Semester 2, 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 5039 Exercise Testing and Prescription II

4 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Associate Professor Martin Thompson. **Session:** Semester 2. **Classes:** Normal evenings, 2 hours lecture and 2 hours practical. **Assumed Knowledge:** Applied Physiology EXSS5029. **Assessment:** Written examination and written report.

NB: Department permission required for enrolment.

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

4 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Professor Maria Fiatarone Singh. **Session:** Semester 2. **Classes:** On-campus, Lectures and workshops. **Assessment:** Final report on topic of choice, class participation.

NB: Department permission required for enrolment.

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

EXSS 5042 Kinesiology

4 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc), M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Dr Marg Torode. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** Basic anatomy and biomechanics. **Assessment:** Written and practical examinations.

NB: Department permission required for enrolment.

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. Mechanisms of specific injuries will be discussed using case studies.

This unit of study will be offered by full time and part time coursework on campus

Textbooks

Norkin & Levangie, Joint Structure and Function, 2001

EXSS 5044 Advanced Exercise Physiology

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange. Dr. Chin Moi Chow. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** EXSS 5029 - Applied Physiology. **Assessment:** 3000 word assignment (30%) and a 2-h written examination (70%).

This unit of study will focus on the following four areas: neuroendocrinology and exercise, signaling pathways in adaptation to exercise, immune responses to exercise and environmental factors and exercise. The hormonal responses to exercise related to fuel mobilization, exercise intensity, exercise training and their interactions will be discussed, with an added focus on blood glucose homeostasis. In addition, the signals for training adaptation at the molecular level will be explored. The Unit will also examine the immune system responses to exercise, alluding to the factors that can affect resistance to infection. Environmental factors (e.g. the role of Heat Shock Proteins in the biogenesis of mitochondria and in limiting ischemia-reperfusion injury) will also be discussed.

This unit of study will be offered on campus supported with web CT resources.

Textbooks

Reading materials will be recommended for individual lectures.

EXSS 5046 Sports Biomechanics

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange. Associate Professor Richard Smith. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** EXSS5030 Human Mechanics. **Assessment:** 30% Assignment + 70% examinations.

In this unit participants will apply the principles of biomechanics to the assessment and optimization of sporting skill and the prevention of injury.

A range of sports will be selected as case studies. A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The building of practical biomechanical assessment competency will form an important part of the unit.

This unit of study will be offered on campus supported with web CT resources.

EXSS 5047 Nutrition for Health, Exercise and Sport

6 credit points. B App Sc (Ex & Sp Sc), M N, Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange. Dr Helen O'Connor. **Session:** Semester 1. **Classes:** 4 hours per week. **Assumed Knowledge:** Undergraduate biology and physiology (biochemistry is desirable). **Assessment:** Poster presentation 30%; in class problem based learning 10%; final exam 60%.

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Public health issues such as obesity, diabetes mellitus, cardiovascular disease and cancer will be a focus. In addition exercise nutrition strategies such as carbohydrate loading, use of ergogenic aids and strategies for muscle bulking, pre-event eating and making weight will be studied. Students will have an opportunity in the unit to obtain an internationally recognised accreditation in anthropometry. The unit will have a strong practical focus.

This unit of study will be offered on campus supported with web CT resources.

Textbooks

Clinical Sports Nutrition by Burke. L. & Deakin V, 2000 (2nd ed) McGraw-Hill

EXSS 5048 Exercise Throughout the Lifespan

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange. Prof Maria Fiararone Singh, Ms Rhonda Orr. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** Physiology, Exercise Physiology. **Assessment:** 30% Assignment, 70% end semester exam.

This unit of study aims to provide the student with an understanding of the rationale and recommendations for the use of exercise and the promotion of physical activity in adolescents and older adults, including those with chronic disease and disability. The student will explore evidence for the contribution of exercise to psychological health and well-being, bone health, improvement in body composition associated with poor health outcomes and for the prevention and treatment of chronic disease and disability. Appropriate exercise modalities and implementing the exercise prescription will also be examined.

This unit of study will be offered on campus supported with web CT resources.

EXSS 5049 Athlete Exercise Testing and Training

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange. Associate Professor Martin Thompson. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** Applied Physiology EXSS5029. **Assessment:** 70% written examination and 30% 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 athletes training programs for increasing anaerobic power and capacity, endurance, speed and muscle strength and power. Issues related to athletic training, such as does-response, overtraining, detraining, periodicity, warm-up and acclimatisation will also be addressed. Practical classes are designed to support the lecture material and will cover various athlete testing protocols.

This unit of study will be offered on campus supported with web CT resources.

Textbooks

Gore (2000) Physiological Tests for Elite Athletes

EXSS 5050 Human Motor Learning and Control

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange. Associate Professor Nicholas O'Dwyer. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** 30% Assignment and 70% final examination.

This unit takes both a behavioural and a neurophysiological approach to the acquisition and execution of skilled motor actions. These approaches overlap, with the behavioural approach being primarily

directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach is primarily directed at the neuromuscular machinery and the functional neural connections that govern movement.

The information processing and energetic capacities that underpin motor performance are examined; that is, memory, attention, reaction time, planning, speed-accuracy trade-off, force control, economy of energy, coordination, multi-task performance, automaticity, lateralisation, arousal and stress, effort and resources, talent and expert-novice skill differences. The features of learning that can be manipulated to promote motor learning are examined, such as goals, motivation, instruction, practice conditions and feedback, imagery and mental rehearsal; and their applications to teaching motor skills, coaching and rehabilitation are considered. Consideration is given to the interaction between automatic and conscious control systems in the production of motor behaviour and how this informs strategies for error correction in motor performance. An overview of common disorders of movement is presented. The ecological and motor program approaches to motor learning are considered.

Students will read relevant research and theoretical material and be expected to report and interpret their findings and contribute to class discussion.

This unit of study will be offered on campus supported with web CT resources.

EXSS 5051 Clinical Biomechanics

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange. B. Vanwanseele. **Session:** Semester 2. **Classes:** 4 hours per week (2 hours lectures + 2 hours pracs). **Prerequisites:** EXSS 5030 Human Mechanics. **Assessment:** 30% assignment + 70% examinations.

A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The course offers an introduction to some of the issues in clinical biomechanics, including: gait, work related tasks, musculoskeletal and injury biomechanics. It will further develop the understanding of biomechanics through clinical applications, including normal and pathological gait. Material properties of tissues and the influence of exercises and rehabilitation on tissue development and health will be discussed. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention.

This unit of study will be offered on campus supported with web CT resources.

Textbooks

Basic Biomechanics of the Musculoskeletal System

25. School of Health Information Management

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Graduate Certificate of Health Science (Casemix)

Not offered in 2006

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's degree from an Australian tertiary institution; or
- ii) A bachelor's degree from an overseas institution equivalent to an Australian bachelor's degree; or
- iii) Experience and/or qualifications as deemed appropriate by the Head of School.

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's degree in an appropriate discipline from an Australian tertiary institution; or
- (ii) A bachelor's 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 25.1.

Table 25.1: Graduate Certificate of Health Science (Clinical Data Management)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SG017, Credit points for award: 24							
Off-campus, part-time, minimum 2 semesters							
Year1							
Semester 1							
HIMT 5025	Clinical Trials and Data Management	6					Semester 1
HIMT 5027	Introduction to Epidemiology	6					Semester 1
HIMT 5052	Database Management Systems	6					Semester 2
Semester 2							
HIMT 5023	Fundamentals of Medical Terminology	6					Semester 2

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 education and the remainder of the program is presented via a range of flexible modes including workshops and block teaching. A one-week residential school is normally held at the end of Semester 1. 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 discipline 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 Master's program.

Course outline

The course outlines for the Master of Health Science (Clinical Data Management) Pass and Honours courses are presented in Table 25.2 and Table 25.2.1.

Table 25.2: Master of Health Science (Clinical Data Management) Pass

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code: SC097, Credit points for award: 48								
Full-time; 2 semesters (75% off-campus & 25% flexible mode including workshops and block teaching)								
Part-time; 4 semesters (75% off-campus & 25% flexible mode including workshops and block teaching)								
Pass course, full-time mode								
Year 1								
Semester 1								
BACH 5068	Statistics for Clinical Research	6	NB: Students must have access to a PC to load and use the statistics package SAS					Semester 1
HIMT 5025	Clinical Trials and Data Management	6						Semester 1
HIMT 5027	Introduction to Epidemiology	6						Semester 1
Semester 2								
HIMT 5023	Fundamentals of Medical Terminology	6						Semester 2
HIMT 5052	Database Management Systems	6						Semester 2
HIMT 5066	Advanced Clinical Data Management	6						Semester 2
Semester 1 or 2								
HIMT 5065	Project Management	6	NB: Department permission required for enrolment. Places are limited					Semester 1, Semester 2
HIMT 5067	Evidence Based Health Care	6						Semester 1, Semester 2
Pass course, part-time mode								
Year 1								
Semester 1								
HIMT 5025	Clinical Trials and Data Management	6						Semester 1
HIMT 5027	Introduction to Epidemiology	6						Semester 1
Semester 2								
HIMT 5023	Fundamentals of Medical Terminology	6						Semester 2
HIMT 5052	Database Management Systems	6						Semester 2
Year 2								
Semester 1								
BACH 5068	Statistics for Clinical Research	6	NB: Students must have access to a PC to load and use the statistics package SAS					Semester 1
Semester 2								
HIMT 5066	Advanced Clinical Data Management	6						Semester 2
Semester 1 or 2								
HIMT 5065	Project Management	6	NB: Department permission required for enrolment. Places are limited					Semester 1, Semester 2
HIMT 5067	Evidence Based Health Care	6						Semester 1, Semester 2
Notes								
Students enrolling in HIMT 5052 are required to attend a 5 day workshop during inter-semester break.								

Table 25.2.1: Master of Health Science (Clinical Data Management) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC098, Credit points for award: 60							
Full-time, 3 semesters							
Part-time, 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2							
HIMT 5061	Dissertation	12					Semester 1, Semester 2
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3							
Semester 1							
HIMT 5062	Dissertation A	6					Semester 1
Semester 2							
HIMT 5063	Dissertation B	6					Semester 2

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.

A Certificate of Specialisation in Nosology is awarded to students who complete the five core units and take as electives the units HIMT

5084 Nosology, HIMT 5050 International Disease Classification A and HIMT 5051 International Disease Classification B. An additional elective completes the required 48 credit points.

Students may receive credit transfer for core units of study, however credit transfer for elective units must be replaced with alternative units of study.

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 outlines for the Master of Health Science (Health Informatics) Pass and Honours courses are presented in Table 25.3 and Table 25.3.1. The course outline for the Master of Health Science (Health Informatics) Specialisation in Nosology is presented in Table 25.3.2.

Table 25.3: Master of Health Science (Health Informatics) Pass

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC095, Credit points for award: 48							
Full-time; minimum 2 semesters							
Part-time; minimum 4 semesters							
Full-time mode							
Year 1							
Semester 1							
HIMT 5057	Introduction to Health Informatics	6					Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
HIMT 5059	Health Classification Systems	6					Semester 1
Elective 6							
Elective 6							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
HIMT 5052	Database Management Systems	6					Semester 2
HIMT 5058	Health Informatics Applications	6					Semester 2
HIMT 5060	Integration of Health Informatics	6					Semester 2
Elective 6							
<i>Semester 2 total: 24 credit points</i>							

Part-time mode

Year 1

Semester 1							
HIMT 5057	Introduction to Health Informatics	6					Semester 1
HIMT 5059	Health Classification Systems	6					Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
HIMT 5052	Database Management Systems	6					Semester 2
HIMT 5058	Health Informatics Applications	6					Semester 2
<i>Semester 2 total: 12 credit points</i>							

Year 2

Semester 1							
Elective 6							
Elective 6							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
HIMT 5060	Integration of Health Informatics	6					Semester 2
Elective 6							
<i>Semester 2 total: 12 credit points</i>							

Electives

Electives taken may vary in credit points, but the total electives taken must equal 18 credit points.

Semester 1							
BACH 5068	Statistics for Clinical Research	6	NB: Students must have access to a PC to load and use the statistics package SAS				Semester 1
HIMT 5027	Introduction to Epidemiology	6					Semester 1
HIMT 5068	Microcomputing and Data Mining	6					Semester 1
HIMT 5069	Health Care Systems	6					Semester 1
Semester 2							
HIMT 5023	Fundamentals of Medical Terminology	6					Semester 2
HIMT 5076	Casemix Measurement Systems	6					Semester 2
Semester 1 or 2							
BACH 5002	Educational Design	6					Semester 2, Semester 1
BACH 5061	Statistical Analysis With SPSS	6					Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
BACH 5268 Developing A Research Project	6		NB: Not available for Doctor of Health Science students				Semester 2, Semester 1
HIMT 5065 Project Management	6		NB: Department permission required for enrolment. Places are limited				Semester 1, Semester 2
HIMT 5067 Evidence Based Health Care	6						Semester 1, Semester 2
HIMT 5079 Health Informatics Project	6						Semester 1, Semester 2

Table 25.3.1: Master of Health Science (Health Informatics) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC121, Credit points for award: 60							
Full-time, 3 semesters							
Part-time, 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2							
HIMT 5061 Dissertation	12						Semester 1, Semester 2
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3							
Semester 1							
HIMT 5062 Dissertation A	6						Semester 1

Table 25.3.2: Master of Health Science (Health Informatics) Specialisation in Nosology

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC095, Credit points for award: 48							
Full-time; minimum 2 semesters							
Part-time; minimum 4 semesters							
Full-time mode							
Year 1							
Semester 1							
HIMT 5050 International Disease Classifications A	3						Semester 1
HIMT 5057 Introduction to Health Informatics	6						Semester 1
HIMT 5059 Health Classification Systems	6						Semester 1
Elective 6 (see note below)							
<i>Semester 1 total: 21 credit points</i>							
Semester 2							
HIMT 5051 International Disease Classifications B	3		P HIMT5050 International Disease Classification Systems A				Semester 2
HIMT 5052 Database Management Systems	6						Semester 2
HIMT 5058 Health Informatics Applications	6						Semester 2
HIMT 5060 Integration of Health Informatics	6						Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
HIMT 5084 Nosology	6		P HIMT5059 Health classification systems				Semester 2

Semester 2 total: 27 credit points

Part-time mode

Year 1

Semester 1							
HIMT 5050	International Disease Classifications A	3					Semester 1
HIMT 5057	Introduction to Health Informatics	6					Semester 1

Semester 1 total: 9 credit points

Semester 2							
HIMT 5052	Database Management Systems	6					Semester 2
HIMT 5058	Health Informatics Applications	6					Semester 2
HIMT 5051	International Disease Classifications B	3	P HIMT5050 International Disease Classification Systems A				Semester 2

Semester 2 total: 15 credit points

Year 2

Semester 1							
HIMT 5059	Health Classification Systems	6					Semester 1

Elective 6 (see note below)

Semester 1 total: 12 credit points

Semester 2							
HIMT 5060	Integration of Health Informatics	6					Semester 2
HIMT 5084	Nosology	6	P HIMT5059 Health classification systems				Semester 2

Semester 2 total: 12 credit points

Note

Elective is chosen from the listed units of study below Table 25.3. Elective may be chosen from Faculty electives in consultation with the Head of School. Electives may vary in credit points but the total electives taken must equal 6 credit points.

The process of selection of elective will be undertaken in consultation with the Graduate Studies coordinator in the School of HIM and will be based upon the individual student's previous qualifications and professional experience.

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 organisations 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.

Students may receive credit transfer for core units of study, however credit transfer for elective units must be replaced with alternative units of study.

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 master's 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 be available until 2006. Further information about these options can be obtained from the Head of School, phone +61 2 9351 9494, email himinfo@fhs.usyd.edu.au.

Course outline

The course outline for the Master of Health Information Management is presented in Table 25.4.

Table 25.4: Master of Health Information Management

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC096, Credit points for award: 50							
Full-time, minimum 2 semesters							
Part-time, minimum 4 semesters							
Part-time, off-campus mode, for graduates of Graduate Diploma of Health Science (Health Information Management) only (available up to 2006)							
Full-time mode							
Semester 1							
Core units							
HIMT 5048	Information Systems Management I	3					Semester 1
HIMT 5050	International Disease Classifications A	3					Semester 1
HIMT 5082	Fundamentals of Medical Terminology I	2					Semester 1
Elective (6 credit points)							
Elective (6 credit points)							
<i>Semester 1 total: 20 credit points</i>							
Semester 2							
HIMT 5049	Information Systems Management II	3	P HIMT5048 Information Systems Management I				Semester 2
HIMT 5051	International Disease Classifications B	3	P HIMT5050 International Disease Classification Systems A				Semester 2
HIMT 5052	Database Management Systems	6					Semester 2
HIMT 5055	Professional Experience	2					Semester 2
HIMT 5083	Fundamentals of Medical Terminology II	2	P HIMT5082 Fundamentals of Medical Terminology I (or HIMT5053) NB: Department permission required for enrolment.				Semester 2, Semester 1
Elective (6 credit points)							
Elective (6 credit points)							
<i>Semester 2 total: 28 credit points</i>							
Part-time mode							
Year 1							
Semester 1							
HIMT 5048	Information Systems Management I	3					Semester 1
HIMT 5050	International Disease Classifications A	3					Semester 1
HIMT 5082	Fundamentals of Medical Terminology I	2					Semester 1
<i>Semester 1 total: 8 credit points</i>							
Semester 2							
HIMT 5049	Information Systems Management II	3	P HIMT5048 Information Systems Management I				Semester 2
HIMT 5051	International Disease Classifications B	3	P HIMT5050 International Disease Classification Systems A				Semester 2
HIMT 5052	Database Management Systems	6					Semester 2
HIMT 5055	Professional Experience	2					Semester 2
HIMT 5083	Fundamentals of Medical Terminology II	2	P HIMT5082 Fundamentals of Medical Terminology I (or HIMT5053) NB: Department permission required for enrolment.				Semester 2, Semester 1
<i>Semester 2 total: 16 credit points</i>							
Year 2 elective units (elective total must equal 24 credit points)							
Semester 1							
Elective (6 credit points)							
Elective (6 credit points)							
<i>Semester 1 total: 12 credit points</i>							

Unit of Study			CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Semester 2						
Elective (6 credit points)						
Elective (6 credit points)						
Semester 2 total: 12 credit points						
Electives taken may vary in credit points, but the total electives taken must equal 24 credit points.						
Semester 1						
BACH 5268	Developing A Research Project	6	NB: Not available for Doctorof Health Science students			Semester 2, Semester 1
HIMT 5027	Introduction to Epidemiology	6				Semester 1
HIMT 5068	Microcomputing and Data Mining	6				Semester 1
HIMT 5069	Health Care Systems	6				Semester 1
HIMT 5070	Human Resource Management	6				Semester 1
HIMT 5074	Health Services Management	6				Semester 1
Semester 2						
HIMT 5075	Medicolegal Principles and Practice	6				Semester 2
HIMT 5076	Casemix Measurement Systems	6				Semester 2
HIMT 5078	Health Sector Financial Management	6				Semester 2
Semester 1 or 2						
HIMT 5065	Project Management	6	NB: Department permission required for enrolment. Places are limited			Semester 1, Semester 2
HIMT 5067	Evidence Based Health Care	6				Semester 1, Semester 2

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	Health Information Management Research	12 A	Available only to graduates of the Graduate Diploma of Health Science (Health Information Management) articulating to the Master of Health Information Management.			Semester 2, Semester 1
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Part-time two-semester mode

Semester 1				
HIMT 5080	Health Information Management Research A	6		Semester 1
Semester 2				
HIMT 5081	Health Information Management Research B	6		Semester 2

Master of Applied Science (Health Information Management) by Research - SC011

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's 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's degree; or
- (iii) A bachelor's degree in a health science field or other related area.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the 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.

Units of study

BACH 5002 Educational Design

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2, Semester 1. **Classes:** No classes - independent learning package with email support. **Assessment:** Assignment-based (non exam).

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

Textbooks

Recommended: Caffarella, R (2002) Planning Programs for Adult Learners A practical guide for educators, trainers and staff developers. (Jossey Bass, San Francisco); Fraser, K (1996) Student centered teaching: the development and use of conceptual frameworks (Green Guide No 18, Higher Education and Research Society of Australasia); Higgs, J & Edwards, E (eds) (1999) Educating Beginning Practitioners (Butterworth Heinemann, London).

BACH 5061 Statistical Analysis With SPSS

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo and Ms Karen Pepper. **Session:** Semester 1, Semester 2. **Classes:** Contract learning including a small number of on-campus classes. **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 5068 Statistics for Clinical Research

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Dr Rob Heard and Dr Zakia Hossain. **Session:** Semester 1. **Classes:** Off-campus. **Assessment:** Four assignments, total length 6000 words equivalent.

NB: Students must have access to a PC to load and use the statistics package SAS

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 SAS; and present statistical data.

Textbooks

Various recommended texts on introductory statistics

BACH 5268 Developing A Research Project

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cng), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cer. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus. **Delivery Mode:** Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

HIMT 5023 Fundamentals of Medical Terminology

6 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), PG Coursework Exchange. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-Line. **Assessment:** Assignments and exam.

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 Trials and Data Management

6 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M Hlth Sc (Clin Data Mgmt), PG Coursework Exchange. Angelika Lange (02) 9351 9570, a.lange@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-line delivery. **Assessment:** Assignments.

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

6 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M HI M, M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange. Aditi Dey (02) 9351 9058, a.dey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-line delivery. **Assessment:** Assignments & examination.

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

3 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Basema Saddik (02) 9351 9193, b.saddik@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory 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 practise skills are a compulsory component of the unit. Students are given the opportunity to perform various tasks in small groups under the supervision of a health information manager. The hospital visits are structured in a way that allow the student to apply the knowledge gained from the lecture material.

HIMT 5049 Information Systems Management II

3 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Basema Saddik (02) 9351 9193, b.saddik@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Intensive compulsory block mode. **Prerequisites:** HIMT5048 Information Systems Management I. **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 Classifications A

3 credit points. M H I M, M Hlth Sc (Hlth Informatics), PG Coursework Exchange. Anne Marks (02) 9351 9057, a.marks@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Normal delivery day time. **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 student's practical coding skills.

HIMT 5051 International Disease Classifications B

3 credit points. M H I M, M Hlth Sc (Hlth Informatics), PG Coursework Exchange. Anne Marks (02) 9351 9057, a.marks@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Normal delivery day time. **Prerequisites:** HIMT5050 International Disease Classification Systems A. **Assessment:** Assignments and examinations. This unit builds on both theoretical and practical issues studied in HIMT5050 and allows the student the opportunity to code using hospital medical records. The student will also become familiar with computer-assisted coding and indexing systems.

HIMT 5052 Database Management Systems

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Clin Data Mgmt), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Gr. Angelika Lange (02) 9351 9570, a.lange@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education mode with one-week block attendance for CDM programs, Intensive compulsory block mode for HlthInformatics and MHIM programs. **Assessment:** Assignments and in-class test.

This unit covers the study of relational database design, using SQL (Sybase) and MS Access. This includes data structures, logical database design, the relational model, the process of normalisation and the functions of a database management system. Object-oriented database design is introduced and comparisons with relational design will be covered.

HIMT 5055 Professional Experience

2 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Anne Marks (02) 9351 9057, a.marks@fhs.usyd.edu.au. **Session:** Semester 2. **Assessment:** Placement Report. Professional Experience will be a one-week placement undertaken in December.

HIMT 5056 Health Information Management Research

12 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M HIM, M Hlth Sc (Clin Data Mgmt), PG Coursework Exchange. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Intensive compulsory block mode with directed independent study. **Assumed Knowledge:** Available only to graduates of the Graduate Diploma of Health Science (Health Information Management) articulating to the Master of Health Information Management. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Janelle Craig (02) 9351 9651, j.craig@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Janelle Craig (02) 9351 9651, j.craig@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Intensive compulsory 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory 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 Integration of Health Informatics

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Intensive compulsory 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

12 credit points. M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Off-campus directed independent study (some on-campus attendance may be required.). **Assessment:** Completion of a publishable paper reporting outcome of investigation. 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

6 credit points. M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** 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

6 credit points. M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Directed independent study (some on-campus attendance may be required). The dissertation requires the completion of a publishable paper reporting an original investigation of an area of professional relevance.

HIMT 5065 Project Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Anne Marks (02) 9351 9057, a.marks@fhs.usyd.edu.au). **Session:** Semester 1, Semester 2. **Classes:** Intensive compulsory block mode, Limited places. **Assessment:** Assignments.

NB: Department permission required for enrolment. 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

6 credit points. M Hlth Sc (Clin Data Mgmt), PG Coursework Exchange. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-line delivery. **Assessment:** Assignments.

This advanced unit will build on the principles and skills developed in the core unit Clinical Trials and Data Management. A focus will be regulatory, legal and ethical issues in clinical research including GCRP and FDA requirements and NHMRC guidelines.

HIMT 5067 Evidence Based Health Care

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Intensive compulsory block mode. Semester 2 workshop may be held during intersemester break. **Assessment:** Assignments.

Greater demands are being placed upon health care practitioners and managers to adopt evidence-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal. Please note that there are limited places in this unit of study.

HIMT 5068 Microcomputing and Data Mining

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Angelika Lange (02) 9351 9570, a.lange@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Normal delivery evening. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Janelle Craig/Prof Beth Reid (02) 9351 9494, j.craig@fhs.usyd.edu.au/b.reid@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory block mode. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Distance education mode. **Assessment:** Assignments.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au/a.marks@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Anne Marks (02) 9351 9057, a.mark@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Intensive compulsory 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au). **Session:** Semester 2. **Classes:** Distance education mode. **Assessment:** Assignments.

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 Health Sector Financial Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Michelle Bramley (02) 9351 9493, michelle.bramley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education mode. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Janelle Craig (02) 9351 9651, j.craig@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Distance education mode.

The unit provides candidates with the opportunity to undertake an advanced investigation of a topic or issue related to health informatics.

HIMT 5080 Health Information Management Research A

6 credit points. M HI M, PG Coursework Exchange. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Distance education mode.

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 Health Information Management Research B

6 credit points. M H I M, PG Coursework Exchange. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education mode. 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 5082 Fundamentals of Medical Terminology I

2 credit points. M H I M, PG Coursework Exchange. Aditi Dey (02) 9351 9058, a.dey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Normal delivery evening. **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 5083 Fundamentals of Medical Terminology II

2 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Health Sciences PG Non Award, M H I M, M Hlth Sc (Hlth Informatics), Miscellaneous Coursework - Sch of Bach, PG Coursework Exchange. Aditi Dey (02) 9351 9058, a.dey@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Normal delivery evening. **Prerequisites:** HIMT5082 Fundamentals of Medical Terminology I (or HIMT5053). **Assessment:** Assignments & examination.

NB: Department permission required for enrolment.

This unit builds on HIMT5082 Fundamentals of Medical Terminology I through further exploration of medical terms. In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, obstetrics, paediatrics, infectious diseases, oncology, radiotherapy, nuclear medicine, diagnostic procedures and surgical techniques.

HIMT 5084 Nosology

6 credit points. M Hlth Sc (Hlth Informatics), PG Coursework Exchange. Prof Beth Reid (02) 9351 9411, b.reid@fhs.usyd.edu.au/ Michelle Bramley (02) 9351 9451, Michelle.Bramley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Intensive compulsory block mode. **Prerequisites:** HIMT5059 Health classification systems. **Assessment:** Assignments.

This unit builds on the theoretical knowledge learnt in HIMT 5059 Health Classification Systems and compliments the practical skills learnt in HIMT5050 International Disease Classification A and HIMT5051 International Disease Classification B. The unit is aimed at those students who are interested in building their knowledge of the underlying principles of health terminology and classification as distinct from using a classification or terminology system. Students will learn about the various structures of terminologies, with focus on concept-orientated structures developed for electronic health records. Also included are hierarchical and axial structures, semantic relationships, semantic types and networks. Pre and post coordination of health concepts will be covered. Students will learn to maintain the currency of existing clinical terminologies by incorporating new diseases and procedures, removing redundant terms and improving the user interface. Students will also learn to create new clinical terminologies with a focus on creating subsets for specific purposes and health care domains. Practical examples using scenarios and problems from the industry will be drawn from areas such as emergency, outpatients and disability/rehabilitation settings as well as the more developed areas of inpatient and ambulatory care. The topic of mapping is further developed through a more detailed study of approaches such as algorithmic matching, crosswalks, and rating scales. Students will be expected to critique existing evaluation frameworks and apply these in a rigorous evaluation of classification systems.

26. School of Medical Radiation Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Graduate Certificate of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiation 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.

It should be noted that the MRS Postgraduate Coursework Program does not lead in any way to accreditation or licensure to practice as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the normally undergraduate degree accredited by the relevant professional body.

Admission requirements

- Diploma in the medical radiation science field (specifically diagnostic radiography, nuclear medicine 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 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 26.1.

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 31).

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 26.1: Graduate Certificate of Health Science (Medical Radiation Sciences)

Unit of Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Course code: SG024, Credit points for award: 24	
Off-campus, 2 semesters	
Year1	
Semester 1	
Elective 6	
Elective 6	
Semester 1 total: 12 credit points	
Semester 2	
Elective 6	
Elective 6	
Semester 2 total: 12 credit points	

Graduate Diploma of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiation 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 out-

side the University. There is one obligatory unit of study that must be completed by all 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.

It should be noted that the MRS Postgraduate Coursework Program does not lead in any way to accreditation or licensure to practice as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the normally undergraduate degree accredited by the relevant professional body.

Admission requirements

Bachelor's 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 26.2.

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 31).

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 26.2: Graduate Diploma of Health Science (Medical Radiation Sciences)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SF053, Credit points for award: 36							
Off-campus, 3 semesters							
Year 1							
Semester 1							
Elective 6							
Elective 6							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
Elective 6							
Elective 6							
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
MRTY 5024	Current Issues in Medical Radiations	6					Semester 1, Semester 2
Elective 6							
<i>Semester 1 total: 12 credit points</i>							

Master of Health Science (Medical Radiation Sciences) by Coursework

This course aims to advance the knowledge, skills, and attributes of medical radiation 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 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 Master's course. Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) 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 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.

It should be noted that the MRS Postgraduate Coursework Program does not lead in any way to accreditation or licensure to practice as a radiographer, radiation therapist or nuclear medicine scientist in Australia. This can only be achieved by completing the normally undergraduate degree accredited by the relevant professional body.

Admission requirements

Bachelor's 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 26.3.

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 31).

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 26.3: Master of Health Science (Medical Radiation Sciences) by Coursework

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SCOW, Credit points for awards: 48							
Off-campus, 4 semesters							
Year 1							
Semester 1							
2 Electives (6 credit points each)							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
2 Electives (6 credit points each)							
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
MRTY 5024	Current Issues in Medical Radiations	6					Semester 1, Semester 2
Elective (6 credit points)							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
2 Electives (6 credit points each)							
<i>Semester 2 total: 12 credit points</i>							

Medical Radiation Sciences electives

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
For the list of Faculty electives, see chapter 31.							
Semester 1							
MRTY 5028	Advanced Image Processing	6					Semester 1
MRTY 5030	Advanced Radiographic Pathology	6					Semester 1
MRTY 5034	Breast Imaging II	6					Semester 1
MRTY 5038	Diag Imaging for Radiation Therapists	6					Semester 1
MRTY 5047	History of Medical Radiations	6					Semester 1
MRTY 5055	Introduction to Functional Neuro-imaging;	6					Semester 1
MRTY 5057	Prevention and Care of Radiation Injury	6	A Basic Biology				Semester 1
MRTY 5058	Quality Management in Medical Radiations	6					Semester 1
MRTY 5062	Specialised Skeletal Scintigraphy	6					Semester 1

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
MRTY 5064	Stabilisation and Positioning	6			Semester 1
MRTY 5093	Physics & Instrumental of Q'tve Bone Assm	6	A Familiarity with bone mineral densitometry equipment		Semester 1
MRTY 5094	Brachytherapy Theory	6	A Some clinical experience in brachytherapy		Semester 1
Semester 2					
MRTY 5031	Advanced SPECT	6			Semester 2
MRTY 5035	Breast Imaging III	6			Semester 2
MRTY 5041	CT Practice II	6			Semester 2, Semester 1
MRTY 5049	Isotope Production	6			Semester 2
MRTY 5054	Nuclear Cardiology	6	A Basic principles of Nuclear Medicine Imaging		Semester 2
MRTY 5056	Patient/Practitioner Communication	6			Semester 2
MRTY 5059	Radiation Safety	6			Semester 2
MRTY 5060	Radiation Therapy Tmt Planning Systems	6	A Diagnostic Imaging for Radiation Therapists MRTY5038 is useful but not essential		Semester 2
MRTY 5063	511 keV Imaging	6			Semester 2
MRTY 5066	Theory of Rad Therapy Tmt Plan Calcs	6			Semester 2
MRTY 5090	Advanced Multiplanar Anatomy A	6			Semester 2
MRTY 5091	Advanced Multiplanar Anatomy B	6			Semester 2
MRTY 5092	Applied Bone Mineral Densitometry	6	A Knowledge of the fundamentals of quantitative bone assessment to the level reached by MRTY5093 Physics and Instrumentation of Quantitative Bone Assessment and familiarity with equipment and their use.		Semester 2
MRTY 5095	Brachytherapy Applications	6	A Understanding of fundamentals and principles of brachytherapy to the level reached in the unit MRTY5094 Brachytherapy Theory. Access to clinical Brachytherapy and a mentor is essential. NB: Students require access to clinical patient cases to complete this unit. Students are expected to complete at least three patient cases per month.		Semester 2
MRTY 5096	Advanced Nuclear Medicine Practice	6	A Clinical experience in nuclear medicine		Semester 2
MRTY 5099	Radiographic Image Interpretation B	6	A It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit.		Semester 2
MRTY 5100	Radiographic Image Interpretation C	6	A It is recommended that students complete MRTY5098 Radiographic Image Interpretation A prior to enrolling in this unit.		Semester 2
MRTY 5101	Radiographic Image Interpretation Study	6	A it is recommended that MRTY5098 Radiographic Image Interpretation A be completed before enrolling in this unit.		Semester 2
Offered in both semesters					
NB: units5 offered in both semesters are run subject to sufficient applications.					
MRTY 5024	Current Issues in Medical Radiations	6			Semester 1, Semester 2
MRTY 5033	Breast Imaging I	6			Semester 1, Semester 2
MRTY 5039	CT. Applications	6			Semester 2, Semester 1
MRTY 5040	CT. Practice I	6			Semester 1, Semester 2
MRTY 5042	Digital Communications in Med Rad Sci	6			Semester 1, Semester 2
MRTY 5043	Directed Studies A	6			Semester 1, Semester 2
MRTY 5044	Directed Studies B	6	P MRTY5043 Directed Studies A.		Semester 1, Semester 2
MRTY 5045	Directed Studies C	6	P MRTY5043 Directed Studies A.		Semester 1, Semester 2
MRTY 5051	MR Theory	6			Semester 2, Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
MRTY 5052 MR Applications 1	6						Semester 2, Semester 1
MRTY 5053 MR Applications 2	6						Semester 1, Semester 2
MRTY 5087 Advanced MR Theory	6	A It is recommended that MRTY5051 MR Theory and MRTY5052 MR Applications 1 be completed prior to studying this unit					Semester 1, Semester 2
MRTY 5089 MRI Project	6	A Students are advised to complete at least two MR units of study before undertaking this unit.					Semester 1, Semester 2
MRTY 5097 CT for Nuclear Medicine Technologists	6	A Clinical experience in nuclear medicine					Semester 1, Semester 2
MRTY 5098 Radiographic Image Interpretation A	6	A It is recommended that MRTY5030 Advanced Radiographic Pathology be completed before taking this unit.					Semester 1, Semester 2

Graduate Certificate of Health Science (Medical Sonography)

The course is a two semester part-time course comprising 24 credit points, which aims to develop skills and knowledge relevant to specialists or limited scope applications of diagnostic ultrasound. It does not meet the requirements of accreditation as a sonographer. 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 better able to:

- Carry out sonographic procedures in their specialised field
- Develop an understanding of ultrasound imaging and procedures
- 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 diagnostic radiography, nuclear medicine 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 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 26.4.

Table 26.4: Graduate Certificate of Health Science (Medical Sonography)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SG023, Credit points for award: 24							
Off-campus; 2 semesters							
Note: Electives are outlined after Table 26.6. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residential may be required for some units of study.							
Year1							
Clinical Practice Elective ¹ 4							
Semester 1							
BIOS 5047 Biological Sciences	4						Semester 1
Sonography Elective or Elective 6							
<i>Semester 1 total: 14 credit points</i>							
Semester 2							
Sonography Elective 6							
Sonography Elective or Elective 4 or 6							
<i>Semester 2 total: 10 credit points</i>							
Note							
1. Clinical Practice Elective may be taken in Semester 1 or 2.							

Graduate Diploma of Health Science (Medical Sonography)

This course 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
- Develop competence and professional identity as a sonographer
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Integrate a thorough knowledge of the physical principles of ultrasound into practice for optimum outcomes
- Apply informed critical thinking to their professional activities.

The Graduate Diploma is fully accredited by the Australasian Sonographers Accreditation Registry (ASAR).

Admission requirements

- Bachelor's degree in a relevant field; or

- Graduate Certificate of Health Science (Medical Sonography) 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; 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.

^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.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 26.5.

Table 26.5: Graduate Diploma of Health Science (Medical Sonography)

Unit of Study		CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session	
Course code: SF052, Credit points for award: 48			
Off-campus, 4 semesters			
Note: Electives are outlined after table 26.6. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residential is 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 4			
Semester 1			
BIOS 5047	Biological Sciences	4	Semester 1
MRTY 5088	Physics and Instrumentation I	6	Semester 1
Semester 1 total: 14 credit points			
Semester 2			
MRTY 5067	Professional Issues	4	Semester 2
Sonography Elective 6			
Semester 2 total: 10 credit points			
Year 2			
Semester 1			
MRTY 5068	Physics and Instrumentation II	4	P Physics and Instrumentation I MRTY5088 Semester 1
Sonography Elective 6			
Clinical Practice Elective 4			
Semester 1 total: 14 credit points			
Semester 2			
Sonography Elective 6			
Clinical Practice Elective 4			
Semester 2 total: 10 credit points			
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.

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
- Develop competence and professional identity as a sonographer
- Integrate a thorough knowledge of the physical principles of ultrasound into practice for optimum outcomes.
- 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 potentially 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 (e.g. nursing). Such applicants may be required to make up deficiencies in identified areas of assumed knowledge (e.g. 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 Diploma of Applied Science (Medical Ultrasonography) or Graduate Diploma of Health Science (Medical Sonography) from the University of Sydney*, or
- equivalent qualification from another University**
- equivalent qualification from a professional body***
- 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.

*(a)*Holders of the Graduate Diploma of Applied Science (Medical Ultrasonography) or the Graduate Diploma of Health Science (Medical Sonography) will receive credit transfer for 48 credit points of the Master's course, and the Graduate Diploma will be relinquished on achieving the Master's qualification.*

*(b)**Applicants who have completed a University Graduate Diploma holding ASAR accreditation within 5 years, with marks of a credit average, or assessed as equivalent by the Head of School, and who have at least 2 years or equivalent recent graduate experience, will receive credit transfer of 36 credit points towards the Master's by Coursework program.*

*(c)***Applicants who have completed a professional qualification holding ASAR accreditation within 5 years, with marks of a credit average, or assessed as equivalent by the Head of School, and who have at least 2 years or equivalent recent graduate experience, will receive credit transfer of 24 credit points towards the Master's by Coursework program.*

Course outline

The course outline for the Master of Health Science (Medical Sonography) is presented in Table 26.6.

Table 26.6: Master of Health Science (Medical Sonography)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition		Session
Course code: SC076, Credit points for award: 72				
Off-campus; 6 semesters				
Note: Electives are outlined after table 26.6. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residential is 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.				
Year1				
Clinical Practice Elective 4 (see note 1)				
Semester 1				
BIOS 5047	Biological Sciences	4		Semester 1
MRTY 5088	Physics and Instrumentation I	6		Semester 1
Semester 1 total: 14 credit points				
Semester 2				
MRTY 5067	Professional Issues	4		Semester 2
Sonography Elective 6				
Semester 2 total: 10 credit points				
Year 2				
Semester 1				
MRTY 5068	Physics and Instrumentation II	4	P Physics and Instrumentation I MRTY5088	Semester 1
Sonography Elective 6				
Clinical Practice Elective 4				
Semester 1 total: 14 credit points				
Semester 2				
Sonography Elective 6				
Clinical Practice Elective 4				

Unit	of	Study	CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Semester 2 total: 10 credit points							
Year 21							
Semester 1							
Elective (3r Sonography Elective 6							
Elective (3r Clinical Practice Elective 4 or 6							
Semester 1 total: 10 credit points							
Semester 2							
MRTY 5086	Investigative Project		8				Semester 2
Elective 6							
Semester 2 total: 14 credit points							
Note							
1. Year 1 Clinical Practice Elective may be taken in Semester 1 or 2.							

Medical Sonography Electives

Unit	of	Study	CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
1. Sonography electives (6 credit points)							
Semester 1							
MRTY 5069	Sonography in Obstetrics and Gynaecology	6					Semester 1
MRTY 5070	Cardiac Sonography	6					Semester 1
MRTY 5071	Vascular Sonography	6					Semester 1
MRTY 5072	Independent Study in Sonography	6					Semester 2, Semester 1
MRTY 5102	Musculoskeletal Sonography	6					Semester 1
Semester 2							
MRTY 5072	Independent Study in Sonography	6					Semester 2, Semester 1
MRTY 5073	Abdominal Sonography	6					Semester 2
MRTY 5074	Superficial Structures Sonography	6					Semester 2
MRTY 5075	Cardiac Measurement Techniques	6					Semester 2
MRTY 5076	Paediatric Sonography	6					Semester 2
MRTY 5104	Breast Sonography	6					Semester 2
Some electives offered may depend on sufficient enrolments							
2. Clinical practice electives (4 credit points)							
Offered in both semesters							
MRTY 5078	Clinical Practice: Abdominal Sonography	4					Semester 2, Semester 1
MRTY 5079	Clinical Prac in Ob & Gyn Sonography	4					Semester 1, Semester 2
MRTY 5080	Clinical Prac in Superficial Str Sono	4					Semester 1, Semester 2
MRTY 5081	Clinical Practice in Vascular Sonography	4					Semester 1, Semester 2
MRTY 5082	Clinical Prac in Cardiac Measurements	4					Semester 2, Semester 1
MRTY 5083	Clinical Practice in Cardiac Sonography	4					Semester 2, Semester 1
MRTY 5084	Clinical Practice: Paediatric Sonography	4					Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
MRTY 5085 Clinical Practice in Independent Study	4						Semester 1, Semester 2
MRTY 5103 Clinical Prac in Musculoskeletal Sono	4						Semester 2, Semester 1
MRTY 5105 Clinical Practice in Breast Sonography	4						Semester 1, Semester 2
3. Electives (4 or 6 credit points)							
Choose from the following:							
BACH 5085 Clinical Teaching and Supervision	6						Semester 2
BACH 5298 History and Philosophy of Science	6						Semester 1
MRTY 5043 Directed Studies A	6						Semester 1, Semester 2
MRTY 5044 Directed Studies B	6		P MRTY5043 Directed Studies A.				Semester 1, Semester 2
MRTY 5045 Directed Studies C	6		P MRTY5043 Directed Studies A.				Semester 1, Semester 2
OR Elective or Research Elective (see chapter 31 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 Professional Issues	4						Semester 2
MRTY 5088 Physics and Instrumentation I	6						Semester 1

Master of Applied Science (Medical Radiation Sciences) by Research - SC045

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:

- (i) A bachelor's degree in an appropriate discipline from an Australian tertiary institution; or
- (ii) A bachelor's degree in an appropriate discipline from an overseas institution equivalent to an Australian bachelor's degree; or
- (iii) A Diploma of Applied Science and a Graduate Diploma of Health Science (Sonography); or
- (iv) 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 maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Students entering the course with adequate research preparation may be exempt from completing the Research elective. Usually these students would have completed an approved bachelor's degree program at honours level.

Units of study

BACH 5085 Clinical Teaching and Supervision

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, 02-93519118. Email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support. **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

Facilitating Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

BACH 5298 History and Philosophy of Science

6 credit points. B B Hlth Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), H Sc D, M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Indig Comm H. Dr Rod Rothwell (02) 9351 9122 email: r.rothwell@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus evening classes. Not available to Doctor of Health Science students. **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

4 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Laurette Batmianian. **Session:** Semester 1. Classes: On-campus or distance education 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). WB. Saunders Company.

MRTY 5024 Current Issues in Medical Radiations

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Ann Poulos. **Session:** Semester 1, Semester 2. Classes: Distance Education. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Barrie Egerton. **Session:** Semester 1. Classes: Distance Education. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Edward Caruana. **Session:** Semester 1. Classes: Distance Education. 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 & Hether, S (1998), Mosby would be useful

MRTY 5031 Advanced SPECT

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Dale Bailey. **Session:** Semester 2. Classes: Distance Education. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth),

Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Ann Poulos. **Session:** Semester 1, Semester 2. Classes: Distance Education. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Ann Poulos. **Session:** Semester 1. Classes: Distance Education. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jill Clarke. **Session:** Semester 2. Classes: Distance Education. 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 Diag Imaging for Radiation Therapists

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Alastair Davison. **Session:** Semester 1. Classes: Distance Education. 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.

Textbooks

A compulsory text is provided (on deposit) with the course material

MRTY 5039 C.T. Applications

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Sarah Lewis. **Session:** Semester 2, Semester 1. Classes: Distance Education. 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.

Textbooks

Reference Lists provided throughout course material. Some journal articles included

MRTY 5040 C.T. Practice I

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Sarah Lewis. **Session:** Semester 1, Semester 2. Classes: Distance Education. 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.

Textbooks

Reference lists provided throughout course material. Some journal articles included.

MRTY 5041 CT Practice II

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Sarah Lewis. **Session:** Semester 2, Semester 1. **Classes:** Distance Education. **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.

Textbooks

Resource list provided in course material. Basic journal articles supplied

MRTY 5042 Digital Communications in Med Rad Sci

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Alastair Davison. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **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.

MRTY 5043 Directed Studies A

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Alastair Davison. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Alastair Davison. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **Prerequisites:** MRTY5043 Directed Studies A. **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.

MRTY 5045 Directed Studies C

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Alastair Davison. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **Prerequisites:** MRTY5043 Directed Studies A. **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.

MRTY 5047 History of Medical Radiations

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Peter Kench. **Session:** Semester 1. **Classes:** Distance Education. **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 5049 Isotope Production

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Elisabeth Kilburn-Watt. **Session:** Semester 2. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Warren Reed. **Session:** Semester 2, Semester 1. **Classes:** Distance Education. **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.

MRTY 5052 MR Applications 1

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Robinson. **Session:** Semester 2, Semester 1. **Classes:** Distance Education. **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.

MRTY 5053 MR Applications 2

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Robinson. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **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.

MRTY 5054 Nuclear Cardiology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Peter Kench. **Session:** Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** Basic principles 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Simon Cowell. **Session:** Semester 1. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Atyeo. **Session:** Semester 2. **Classes:** Distance Education. **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, support, advice and counselling. Students will be encouraged to become reflective practitioners in the area of communication, and to become active consumers and evaluators of communication in its broadest context.

Textbooks

No specific text recommended. Primary & secondary library sources to be accessed by student

MRTY 5057 Prevention and Care of Radiation Injury

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Craig Opie. **Session:** Semester 1. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Simon Cowell. **Session:** Semester 1. **Classes:** Distance Education. **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.

Textbooks

Essential reading is supplied

MRTY 5059 Radiation Safety

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Barrie Egerton. **Session:** Semester 2. **Classes:** Distance Education. **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 Tmt Planning Systems

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Craig Opie. **Session:** Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** Diagnostic Imaging for Radiation Therapists MRTY5038 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Edwina Adams. **Session:** Semester 1. Classes: Distance Education. **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 student will develop an understanding of skeletal disease processes and the required Nuclear Medicine imaging procedure for optimal diagnosis. Key topics include: sports, paediatrics, infection imaging and an understanding of the integration of other imaging modalities to increase specificity of diagnosis. At the completion of this module, the technologist will have an increased understanding of the acquisition requirements for bone studies that aids the specificity of reporting.

MRTY 5063 511 keV Imaging

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Edwina Adams. **Session:** Semester 2. Classes: Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Jenny Cox. **Session:** Semester 1. Classes: Distance Education. **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 Rad Therapy Tmt Plan Calcs

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Mark West. **Session:** Semester 2. Classes: Distance Education. **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

4 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Ms Lucy Taylor-Turner, (02) 9351 9248. **Session:** 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

4 credit points. Grad Dip Hlth Sc (Med Sono), Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 1. Classes: Block attendance. **Prerequisites:** Physics and Instrumentation I MRTY5088. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jane Fonda (02)93519185. **Session:** 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

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Lucy Taylor-Turner, (02) 9351 9248. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 2, Semester 1. Classes: On-campus attendance is not necessary. **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

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke, (02) 9351 9516. **Session:** 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

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jane Fonda (02) 9351 9185. **Session:** 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.

MRTY 5075 Cardiac Measurement Techniques

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jill Clarke, (02)93519516. **Session:** 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

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke, (02) 9351 9516. **Session:** 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: Abdominal Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jane Fonda (02) 9351 9185. **Session:** Semester 2, Semester 1. **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 (MRTY5073).

MRTY 5079 Clinical Prac in Ob & Gyn Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jane Fonda (02) 9351 9185. **Session:** Semester 1, Semester 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 (MRTY5069).

MRTY 5080 Clinical Prac in Superficial Str Sono

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jane Fonda (02) 9351 9185. **Session:** Semester 1, Semester 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 (MRTY5074).

MRTY 5081 Clinical Practice in Vascular Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Lucy Taylor-Turner, (02) 9351 9248. **Session:** Semester 1, Semester 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 (MRTY5071).

MRTY 5082 Clinical Prac in Cardiac Measurements

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 2, Semester 1. **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 (MRTY5075).

MRTY 5083 Clinical Practice in Cardiac Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 2, Semester 1. **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 MRTY5070 Cardiac Sonography

MRTY 5084 Clinical Practice: Paediatric Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 1, Semester 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 (MRTY5076).

MRTY 5085 Clinical Practice in Independent Study

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 9351 9516. **Session:** Semester 1, Semester 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).

MRTY 5086 Investigative Project

8 credit points. M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke (02) 93519516. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Robinson. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** It is recommended that MRTY5051 MR Theory and MRTY5052 MR Applications I be completed prior to studying this unit. **Assessment:** Continuous assessment, no examination.

This unit of study is designed to articulate with the unit MRTY5051 MR Theory, and expand the practitioner's understanding of flow phenomena and the techniques of TOF-MRA, PC-MRA and CE-MRA. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have 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.

MRTY 5088 Physics and Instrumentation I

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Barrie Egerton, (02) 9351 9514. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Robinson. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Ann Poulos. **Session:** Semester 2. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Robinson. **Session:** Semester 2. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Peter Kench. **Session:** Semester 2. **Classes:** Distance education, approximately 8-10 hours per week. **Assumed Knowledge:** Knowledge of the fundamentals of quantitative bone assessment to the level reached by MRTY5093 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 densitometry including optimisation of scanning, analysis and interpretation of results.

Textbooks

Essential reading (articles, book extracts) provided in course notes.

MRTY 5093 Physics & Instrumentn of Q'tve Bone Assm

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr Peter Kench. **Session:** Semester 1. **Classes:** Distance education, approximately 8-10 hours a week. **Assumed Knowledge:** Familiarity with bone mineral densitometry equipment. **Assessment:** Continuous assessment, no examinations.

Specific topic areas covered are: Statistics; 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jackie Noble, University of Otago. **Session:** Semester 1. **Classes:** Distance Education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Jackie Noble, University of Otago. **Session:** Semester 2. **Classes:** Distance education 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 MRTY5094 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, intraluminal (intravascular) and interstitial. Factors considered will be common disease sites; indications for brachytherapy in the overall management of disease; implantation procedures; planning; treatment and post implant care. An understanding of the practical applications of brachytherapy; knowledge and skills to carry out a range of brachytherapy procedures will be covered. The role and indications for brachytherapy as a treatment option in the overall management of disease are presented.

Textbooks

Essential reading (articles, book extracts) provided in course notes.

MRTY 5096 Advanced Nuclear Medicine Practice

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Edwina Adams. **Session:** Semester 2. **Classes:** Distance Education. **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 diagnosis. They will therefore require access to a nuclear medicine specialist as a mentor.

MRTY 5097 CT for Nuclear Medicine Technologists

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Edwina Adams. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **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 5098 Radiographic Image Interpretation A

6 credit points. Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange. Mr John Robinson. **Session:** Semester 1, Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** It is recommended that MRTY5030 Advanced Radiographic Pathology be completed before taking this unit. **Assessment:** Continuous assessment, no examination.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the appendicular skeleton. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY 5099 Radiographic Image Interpretation B

6 credit points. Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange. Mr John Robinson. **Session:** Semester 2. **Classes:** Distance Education. **Assumed Knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit. **Assessment:** Continuous assessment, no examination.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the axial skeleton and abdomen. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY 5100 Radiographic Image Interpretation C

6 credit points. Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange. Mr John Robinson. **Session:** Semester 2. **Classes:** Distance education. **Assumed Knowledge:** It is recommended that students complete MRTY5098 Radiographic Image Interpretation A prior to enrolling in this unit. **Assessment:** Continuous assessment, no examination.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify the more common pathology of the respiratory system. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY 5101 Radiographic Image Interpretation Study

6 credit points. Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange. Mr Warren Reed. **Session:** Semester 2. **Classes:** Distance education. **Assumed Knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed before enrolling in this unit. **Assessment:** continuous assessment, no examination.

This unit allows the student, in collaboration with a University supervisor to focus on issues relating to the reporting of radiographs by radiographers. The student will be directed to investigate two topics that relate to the implementation of a radiographic reporting service and the ways in which the quality of such a service can be maintained

MRTY 5102 Musculoskeletal Sonography

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke, (02) 9351 9516. **Session:**

Semester 1. Classes: TBA, please contact course co-ordinator. Assessment: Assignments, film reading test and examination.

This unit examines in detail sonography of the soft tissues of the musculoskeletal system. Teaching and learning in this unit will include lectures and tutorials held on campus in the evenings.

MRTY 5103 Clinical Prac in Musculoskeletal Sono

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke. **Session:** Semester 2, Semester 1. Assessment: Clinical skills assessments.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as covered in MRTY5102 Musculoskeletal Sonography.

MRTY 5104 Breast Sonography

6 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jill Clarke, (02) 9351 9516. **Session:** Semester 2. Classes: Distance education, independent learning. Assessment: Assignments, film reading test and examination.

This unit examines in detail sonography of the soft tissues of the breast and related structures.

MRTY 5105 Clinical Practice in Breast Sonography

4 credit points. Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange. Ms Jane Fonda, (02) 9351 9185. **Session:** Semester 1, Semester 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 covered in Breast Sonography MRTY5104.

27. School of Occupation and Leisure Sciences

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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

Applicants for admission to the Graduate Certificate of Health Science (Occupational Therapy) shall possess:

(i) an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or The University of Sydney; or

(ii) an award of Bachelor of Applied Science (Honours) in Occupational Therapy from The University of Sydney; or
(iii) 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
(iv) an award of Master of Occupational Therapy from The University of Sydney; or
(v) such qualifications as are deemed equivalent to (i), (ii), (iii) or (iv); or
(vi) 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 27.1.

Table 27.1: Graduate Certificate of Health Science (Occupational Therapy)

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code: SG022, Credit points for award: 24							
Full-time, 1 semester							
Part-time, 2 semesters							
Off-campus, 2 semesters							
Full-time mode							
Semester 1							
Choose 24 credit points from the relevant topics/electives 24							
Part-time mode							
Semester 1							
4 Choose 12 credit points from the relevant topic/electives 12							
Semester 2							
Choose 12 credit points from the relevant topics/electives ¹ 24							
Note							
For Topics in Theory, see section A under Master of Health Science (Occupational Therapy) by coursework Electives. For Topics in Research, see section B under Master of Health Science (Occupational Therapy) by coursework Electives. For Professional Practice Topics, see section C under Master of Health Science (Occupational Therapy) by coursework Electives. For Faculty electives, see Chapter 31.							

Master of Health Science (Occupational Therapy)

The Master of Health Science (Occupational Therapy) course is designed to provide advanced study in occupational therapy and related topics to prepare graduate students to lead practice through knowledge and actions.

Participants enrolled in this program may complete their studies with a specialist focus: a specialty requires that 50 per cent 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. 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.

Honours

Candidates in the MHlthSc (OT) who have achieved 65 per cent Credit or better in all units of study and 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) above.

Course outline

The course outlines for the Master of Health Science (Occupational Therapy) Pass and Honours programs are presented in Tables 27.2 and 27.2.1.

Table 27.2: Master of Health Science (Occupational Therapy) by Coursework

<i>Unit of Study</i>	<i>CP A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC074, Credit points for award: 48						
Full-time, 2 semesters						
Part-time, 4 semesters						
Off-campus, 2 to 4 semesters						
Full-time mode						
Year 1						
Choose 48 credit points from						
Topics in Theory (at least 6 credit points) (see note 1)						
Topics in Research (at least 6 credit points) (see note 2)						
Professional Practice Topics (see note 3)						
Part-time mode						
Year 1						
Choose 24 credit points from						
Topics in Theory (at least 6 credit points)						
Topics in Research (at least 6 credit points)						
Professional Practice Topics						
Year 2						
Choose 24 credit points from						
Professional Practice Topics						
Notes						
1. Topics in Theory are listed in Section A of Master of Health Science (Occupational Therapy) electives outlined below Table 27.2.1.						
2. Topics in Research are listed in Section B of Master of Health Science (Occupational Therapy) electives outlined below Table 27.2.1.						
3. Professional Practice Topics are listed in Section C of Master of Health Science (Occupational Therapy) electives outlined below Table 27.2.1.						

Table 27.2.1: Master of Health Science (Occupational Therapy) Honours

Unit	of	Study	CP A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code: SC075, Credit points for award: 60								
Full-time, 3 semesters								
Part-time, 5 semesters								
Off-campus, 5 semesters								
Full-time mode								
Year 1								
As per Pass course								
Year 2								
OCCP 5136	Dissertation	12	A Normally student doing Dissertation has already completed 48 credit points.					Semester 1, Semester 2
Part-time mode (off-campus mode)								
Years 1 and 2								
As per Pass course								

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session		
Year 3				
OCCP 5136	Dissertation	12	A Normally student doing Dissertation has already completed 48 credit points.	Semester 1, Semester 2

Master of Health Science (Occupational Therapy) electives

The MHIthSc (OT) consists of three topic areas from which participants select specific units of study: Topics in 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.

(A) Topics in Theory:

- Core Theory Units (minimum 6 credit points)

- Specialty Theory Units

(B) Topics in Research (minimum 6 credit points)

(C) Professional Practice Topics:

1. Topics in Assessment
2. Topics in Service Delivery
3. Topics in Enhancing Human Occupation
4. Practice Topics
5. Inquiry Topics/Projects

MHIthSc(Occupational Therapy) electives

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
The offering of any one of these elective units of study will depend on sufficient student demand and staff availability.					
A. Topics in Theory					
Core Theory Units					
OCCP 5104	Understanding Health Science Theory	3	NB: OCCP5104 and OCCP5146 combined are equivalent to the 6 credit point OCCP5186 Theory in Occupational Therapy		Semester 1, Semester 2
OCCP 5146	Applied Theory of Occupations	3	NB: OCCP5146 and OCCP5104 combined are equivalent to the 6 credit point OCCP5186 Theory in Occupational Therapy.		Semester 1
OCCP 5186	Theory in Occupational Therapy	6			Semester 2, Semester 1
Specialty Theory Units					
OCCP 5053	Environmental Modification Foundations	6			Semester 1
OCCP 5142	Theory in Community Practice	6			Semester 2
B. Topics in Research					
BACH 5328	Evaluating Health Interventions	6			Semester 1, Semester 2
OCCP 5068	Program Evaluation	6			Semester 2
OCCP 5145	Research Elective Independent Study	6	A BACH1 143 Designing Health Research and BACH 1145 Quantitative Health and Social Research and BACH1 147 Qualitative Health and Social Research, or equivalent. NB: For Occupation and Leisure Sciences graduate research students only		Semester 1, Semester 2
OCCP 5188	Ethics and Health Science Research	6			Semester 1
Existing Faculty and other research electives					
C. Professional Practice Topics					
Professional Practice Topics are divided into five broad topic areas:					
1. Topics in Assessment					
2. Topics in Service Delivery					
3. Topics in Enhancing Human Occupation					
4. Practice Topics					
5. Inquiry Topics/Projects.					
Master s candidates are required to complete a minimum of 36 credit points from Professional Practice Topics but there are no minimum credit requirements from these five broad topic areas.					
1. Topics in Assessment					
OCCP 5051	Environmental Modification Measurement	6			Semester 1
OCCP 5110	Measuring Occupation 1	3			Semester 1, Semester 2

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
OCCP 5112	Measuring Occupation: Paediatrics 1	3			Semester 1, Semester 2
OCCP 5154	Assessment of Individuals in Occ Rehab	3	N Available to Occupational Therpay and Physiotherapy enrolled postgraduate students only.		
OCCP 5155	Assessment of Environments in Occ Rehab	3	N Available to Physiotherapy or Occupational Therapy postgraduate students only		
OCCP 5191	Assessing Play: ToP to TOES	3	A Moderate knowledge of normal child development		
Existing Faculty and other electives					
2. Topics in Service Delivery					
OCCP 5140	Politics and Power in the Workplace	3			Semester 2
OCCP 5141	Politics and Power in the Workplace	6			Semester 2
OCCP 5189	Consultation: The Other Service Delivery	6			Semester 1, Semester 2
3. Topics in Enhancing Human Occupation					
OCCP 5054	Environmental Modification Communica- tion	6			Semester 2, Semester 1
OCCP 5055	Computer Aided Drafting for OT	6			Semester 1, Semester 2
OCCP 5116	Specialist Intervention 1	3			Semester 2, Semester 1
OCCP 5117	Specialist Intervention 2	3			Semester 2, Semester 1
OCCP 5118	Specialist Intervention: Paediatrics 1	3			Semester 1, Semester 2
OCCP 5127	Enhancing Functional Reach	3			Semester 1
OCCP 5128	Enhancing Hand Function	3	A Undergraduate Occupational Therapy degree		
OCCP 5138	Specialised Seating	3			Semester 2
OCCP 5143	Driving Assessment and Training A	6	A This unit of study is available only to qualified Occupational Therapists. NB: This unit of study must be taken in conjunction with OCCP5144 Driving Assessment and Training B.		
OCCP 5144	Driving Assessment and Training B	6	A This unit of study is available only to qualified Occupational Therapists. NB: This unit of study must be taken in conjunction with OCCP5143 Driving Assessment and Training A.		
OCCP 5157	Specialist Intervention: Paediatrics 2	3			Semester 1, Semester 2
OCCP 5158	Specialist Intervention: Paediatrics 3	3			Semester 1, Semester 2
OCCP 5159	Specialist Intervention: Neurology 1	3			Semester 1, Semester 2
OCCP 5161	Specialist Intervention: Neurology 3	3			Semester 1, Semester 2
OCCP 5162	Specialist Intervention: Occ Rehab 1	3			Semester 1, Semester 2
OCCP 5163	Specialist Intervention: Occ Rehab 2	3			Semester 1, Semester 2
OCCP 5187	Falls Prevention With Older People	6			Semester 2
OCCP 5190	The Power of Play	3	A Moderate knowledge of normal child development		
OCCP 5192	Occupation, Cognition & Social Behaviour	6			Semester 2
OCCP 5194	Sensory Processing and Function	6			Semester 2
OCCP 5195	Visual Perception and Learning Disorders	6			Semester 1
OCCP 5196	PRPP System of Intervention	6	P OCCP5152 Measuring Occupational Performance: Neurology 1 and OCCP 5153 Measuring Occupational Performance: Neurology 2 (The PRPP System of Assessment)		
4. Practice Topics					
OCCP 5175	Practice Topic 1	6			Semester 1, Semester 2
Faculty and other electives					
5. Inquiry Topics/Projects					

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
OCCP 5021 Inquiry Project 1	12		Semester 1, Semester 2
OCCP 5071 Selected Topic 2	3		Semester 1, Semester 2
OCCP 5132 Inquiry Project 2	12		Semester 1, Semester 2
OCCP 5133 Inquiry Topic 1	6		Semester 1, Semester 2
OCCP 5134 Inquiry Topic 2	6		Semester 1, Semester 2
OCCP 5135 Inquiry Topic Paediatrics 1	6		Semester 1, Semester 2
OCCP 5166 Inquiry Topic: Paediatrics 2	6		Semester 2, Semester 1
OCCP 5167 Inquiry Topic: Neurology 1	6		Semester 1, Semester 2
OCCP 5168 Inquiry Topic: Neurology 2	6		Semester 1, Semester 2
OCCP 5070 Selected Topic	6	NB: The focus of this unit may change from year to year. See School website for unit of study listings and additional details.	Semester 1, Semester 2
OCCP 5172 Selected Topic 1	3		Semester 1, Semester 2
OCCP 5173 Inquiry Topic 3	6		Semester 1, Semester 2
OCCP 5174 Inquiry Topic 4	6		Semester 1, Semester 2
OCCP 5185 Selected Topic	3		Semester 1, Semester 2
OCCP 5193 Handwriting: Written Expression II	3		Semester 1

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:

- (i) Possess a relevant undergraduate degree from an institution recognised by the University of Sydney. Relevance implies that at least 40 per cent of the content of the applicant's undergraduate degree shall be relevant to the field of occupational therapy; and
- (ii) Have achieved at least a credit grade average in their undergraduate degree. For applicants whose undergraduate degree has less than 40 per cent 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 27.3.

Table 27.3: Master of Occupational Therapy

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code: SC063 Credit points for award: 96			
Full-time, 4 semesters			
Part-time, 8 semesters			
Full-time mode			
Year1			
Semester 1			
OCCP 5074 Problem Identification I	4		Semester 1
OCCP 5076 Activity Adaptation 1	3		Semester 1
OCCP 5078 OT Intervention 1	4		Semester 1
OCCP 5080 Evaluation and Research 1	3		Semester 1

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
OCCP 5082	Professional Management 1	3	Semester 1
OCCP 5084	Professional Presentation 1	3	Semester 1
Elective 1 (see note 1)			
Semester 2			
OCCP 5075	Problem Identification 2	4	Semester 2
OCCP 5077	Activity Adaptation 2	3	Semester 2
OCCP 5079	OT Intervention 2	4	Semester 2
OCCP 5081	Evaluation and Research 2	3	Semester 2
OCCP 5083	Professional Management 2	3	Semester 2
OCCP 5085	Professional Presentation 2	3	Semester 2
Elective 2 (see note 1)			
Year 2»			
Semester 1			
OCCP 5086	Problem Identification in Practice 1	4	Semester 1
OCCP 5088	Activity Adaptation in Practice 1	2	Semester 1
OCCP 5090	OT Intervention in Practice 1	4	Semester 1
OCCP 5092	Evaluation and Research in Practice 1	4	Semester 1
OCCP 5094	Professional Management in Practice 1	3	Semester 1
OCCP 5096	Professional Presentation in Practice 1	3	Semester 1
Elective 3 (see note 1)			
Semester 2			
OCCP 5087	Problem Identification in Practice 2	4	Semester 2
OCCP 5089	Activity Adaptation in Practice 2	2	Semester 2
OCCP 5091	OT Intervention in Practice 2	4	Semester 2
OCCP 5093	Evaluation and Research in Practice 2	4	Semester 2
OCCP 5095	Professional Management in Practice 2	3	Semester 2
OCCP 5097	Professional Presentation in Practice 2	3	Semester 2
Elective 4 (see note 1)			
Part-time mode			
Year1			
Semester 1			
OCCP 5078	OT Intervention 1	4	Semester 1
OCCP 5080	Evaluation and Research 1	3	Semester 1
OCCP 5082	Professional Management 1	3	Semester 1
OCCP 5084	Professional Presentation 1	3	Semester 1
Semester 2			
OCCP 5081	Evaluation and Research 2	3	Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
OCCP 5083	Professional Management 2		3		Semester 2
OCCP 5085	Professional Presentation 2		3		Semester 2
Year 2					
Semester 1					
OCCP 5074	Problem Identification 1		4		Semester 1
OCCP 5076	Activity Adaptation 1		3		Semester 1
OCCP 5179	Problem Identification in Practice 1A		2		Semester 1
OCCP 5180	Activity Adaption in Practice 1A				Semester 1
OCCP 5181	OT Intervention in Practice 1A		2		Semester 1
Semester 2					
OCCP 5075	Problem Identification 2		4		Semester 2
OCCP 5077	Activity Adaptation 2		3		Semester 2
OCCP 5079	OT Intervention 2		4		Semester 2
Year 3					
Semester 1					
OCCP 5182	Problem Identification in Practice 1B		2		Semester 1
OCCP 5183	Activity Adaptation in Practice 1B				Semester 1
OCCP 5184	OT Intervention in Practice 1B		2		Semester 1
OCCP 5092	Evaluation and Research in Practice 1		4		Semester 1
Semester 2					
OCCP 5093	Evaluation and Research in Practice 2		4		Semester 2
OCCP 5095	Professional Management in Practice 2		3		Semester 2
OCCP 5097	Professional Presentation in Practice 2		3		Semester 2
Year 4					
Semester 1					
OCCP 5094	Professional Management in Practice 1		3		Semester 1
OCCP 5096	Professional Presentation in Practice 1		3		Semester 1
Semester 2					
OCCP 5087	Problem Identification in Practice 2		4		Semester 2
OCCP 5089	Activity Adaptation in Practice 2		2		Semester 2
OCCP 5091	OT Intervention in Practice 2		4		Semester 2
Note					
1. Students must complete 16 credit points of electives across the program. Students choose elective units of study from across the Faculty. Electives may vary from 2 to 6 credit points each. These could include the following elective:					
OCCP 5098	Elective Topic		4		Semester 1, Semester 2

Master of Applied Science (Occupational Therapy) by Research - SC008

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

To qualify for admission, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or The University of Sydney; or
- (ii) an award of Bachelor of Applied Science (Hons) in Occupational Therapy from The University of Sydney; or
- (iii) 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
- (iv) an award of Master of Occupational Therapy from The University of Sydney; or
- (v) Possess such qualifications as are deemed equivalent to (i), (ii) or (iii) or (iv) or
- (vi) 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.

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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study: MHLthSc(OT) and MAppSc (OT)

NB. Units of study on offer will vary from year to year. Please check the OLS Web site (<http://www.ot.fhs.usyd.edu.au/>) for details.

GradCert/MHLthSc (Occupational Therapy)

BACH 5328 Evaluating Health Interventions

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig CommHlth), GradCer. Dr Ian Hughes (02) 9351 9582 email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web based. Some optional evening classes may be offered. In semester 1, four optional face-to-face workshops may be offered if there is sufficient demand. **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.

OCCP 5021 Inquiry Project 1

12 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Independent learning contract. On-campus attendance not required. **Assessment:** 12,000 words written work.

The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision.

OCCP 5051 Environmental Modification Measurement

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (OT), Health Sciences PG Non Award, M Hlth Sc (OT), M O T, M Orth, PG Coursework Exchange. Ms Catherine Bridge (02) 9351 9376. **Session:** Semester 1. **Classes:** Distance education. No on-campus attendance required.

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 Environmental Modification Foundations

6 credit points. Grad Cert Hlth Sc (OT), Health Sciences PG Non Award, M Hlth Sc (OT), M O T, PG Coursework Exchange. Ms Catherine Bridge (02) 9351 9376. **Session:** Semester 1. **Classes:** Distance education with 1 x 3 days intensive block.

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 Australian 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 Environmental Modification Communication

6 credit points. Grad Cert Hlth Sc (OT), Health Sciences PG Non Award, M Hlth Sc (OT), PG Coursework Exchange. Ms Catherine Bridge (02) 9351 9376. **Session:** Semester 2, Semester 1. **Classes:** Distance education mode with 1 x 3 days intensive block.

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 Computer Aided Drafting for OT

6 credit points. Grad Cert Hlth Sc (OT), Health Sciences PG Non Award, M Hlth Sc (OT), PG Coursework Exchange. Ms Catherine Bridge (02) 9351 9376. **Session:** Semester 1, Semester 2. **Classes:** Distance education with 1 x 3 days intensive block.

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 5068 Program Evaluation

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 2. **Classes:** Distance education with 1 x 3 days intensive block. **Assessment:** Continuous assessment.

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 com-

pleted; 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**

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT). Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** On-campus/off-campus, flexible mode. **Assessment:** Assignments.

NB: The focus of this unit may change from year to year. See School website 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**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education. **Assessment:** Assignments.

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 5104 **Understanding Health Science Theory**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Ruth Beltran (02) 9351 9295. **Session:** Semester 1, Semester 2. **Classes:** On campus evening classes. **Assessment:** Assignment.

NB: OCCP5104 and OCCP5146 combined are equivalent to the 6 credit point OCCP 5186 Theory in Occupational Therapy

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 5110 **Measuring Occupation 1**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examinations.

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**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examinations.

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 5116 **Specialist Intervention 1**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 2, Semester 1. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 2, Semester 1. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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 5127 **Enhancing Functional Reach**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1. **Classes:** Distance education with intensive block attendance (3 days). **Assessment:** Combined written and practical assignment.

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. 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**

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Undergraduate Occupational Therapy degree. **Assessment:** Assignment.

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 5132 **Inquiry Project 2**

12 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education/flexible mode. **Assessment:** 12,000 words written work.

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 Topic 1

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Off-campus/flexible mode. **Assessment:** Assignments.

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 Topic 2

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education/flexible delivery. **Assessment:** Assignments.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks

List of core references available

OCCP 5135 Inquiry Topic Paediatrics 1

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2. **Classes:** Distance education/flexible delivery. **Assessment:** Assignments.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks

List of core references available

OCCP 5136 Dissertation

12 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), M Hlth Sc (OT) Hons, PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education/flexible delivery. **Assumed Knowledge:** Normally student doing Dissertation has already completed 48 credit points. **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 (Occupational Therapy) course. It is recommended that students who are qualified to do Honours and have decided to do so should start developing their Literature Review within an Inquiry Topic/Inquiry Project unit of study during the semester prior to the Honours semester which then leads on to the development of an Honours dissertation in the Honours year. It is stipulated in the School's master's 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 5138 Specialised Seating

3 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Judy Ranka (02) 9351 9207 email J.Ranka@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education CD-ROM and attendance at intensive block (2 days). **Assessment:** Theoretical and practical assignment equivalent to 5000 words.

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 CD-ROM self study followed by an intensive two day block mode

OCCP 5140 Politics and Power in the Workplace

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377. **Session:** Semester 2. **Classes:** Internet and distance delivery for all students. **Assessment:** Essay, reflective journal.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Susan Griffin (02) 9351 9377. **Session:** Semester 2. **Classes:** Internet and distance delivery for all students. **Assessment:** Essay, reflective journal plus report of a work place based project.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Ms Ruth Beltran (02) 9351 9295. **Session:** Semester 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%).

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

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Bernadette Walsh (02) 9351 9331. Email: b.walsh@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Distance education with intensive block (2 weeks full-time, 9am to 5pm). **Assumed Knowledge:** This unit of study is available only to qualified Occupational Therapists. **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:** This unit of study must be taken in conjunction with OCCP5144 Driving Assessment and Training B.

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: bio-mechanical, 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 clinical experience and a current driver's licence.

Textbooks

List of references will be supplied.

OCCP 5144 Driving Assessment and Training B

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Bernadette Walsh (02) 9351 9331. Email: b.walsh@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Distance education with intensive block (2 weeks full-time, 9am to 5pm). **Assumed Knowledge:** This unit of study is available only to qualified Occupational Therapists. **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:** This unit of study must be taken in conjunction with OCCP5143 Driving Assessment and Training A.

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: bio-mechanical, 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 clinical experience and a current driver's licence.

Textbooks

List of references will be supplied.

OCCP 5145 Research Elective Independent Study

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (OT), Grad Dip Hlth Sc (Indig Comm Hlth), M App Sc (Orth), M Hlth Sc (Indig Comm Hlth), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206.

Session: Semester 1, Semester 2. **Classes:** Independent learning - no on-campus attendance required. **Assumed Knowledge:** BACH1143 Designing Health Research and BACH 1145 Quantitative Health and Social Research and BACH1147 Qualitative Health and Social Research, or equivalent. **Assessment:** Assignment (6000 words) 100%.

NB: For Occupation and Leisure Sciences 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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Ruth Beltran (02) 9351 9295. **Session:** Semester 1. **Classes:** Distance education; no on-campus attendance required. **Assessment:** Assignment, examination.

NB: OCCP5146 and OCCP5104 combined are equivalent to the 6 credit point OCCP 5186 Theory in Occupational Therapy.

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 5154 Assessment of Individuals in Occ Rehab

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (OT), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Prohibitions:** Available to Occupational Therapy and Physiotherapy enrolled postgraduate students only.. **Assessment:** 3000 word assignment.

This unit of study will address both standardised and non-standardised assessment approaches to determining an individual's ability to perform work. Students will examine how assessment changes with different levels of function and how to select and use appropriate assessments. Students will have an opportunity to use a range of work-related assessments, analyse and report results. They will also consider the evidence that is available for various work-related assessments and how this is used to select and critique assessments. The Competency Standards for Functional Assessments by WorkCover NSW will be used.

Textbooks

List of core references available

OCCP 5155 Assessment of Environments in Occ Rehab

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (OT), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 2, Semester 1. **Classes:** Distance education with one intensive block (3 days). **Prohibitions:** Available to Physiotherapy or Occupational Therapy postgraduate students only. **Assessment:** 3000 word written assignment.

This unit will address approaches to assessing the work environment. Students will have an opportunity to practically apply different methods of assessing the work environment and jobs. The Competency Standards for Workplace Assessments developed for WorkCover NSW will be used as a framework for conducting workplace assessments and how they are analysed and reported.

Textbooks

List of core references available

OCCP 5157 Specialist Intervention: Paediatrics 2

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), M O T, PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2.

Classes: Distanc education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Assessment:** Assignments and/or examination.

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 5166 Inquiry Topic: Paediatrics 2

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 2, Semester 1. **Classes:** Distance education. No on-campus attendance required. **Assessment:** Assignments. These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks

List of core references available

OCCP 5167 Inquiry Topic: Neurology 1

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education; no on-campus attendance required. **Assessment:** Assignments.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks

List of core references available

OCCP 5168 Inquiry Topic: Neurology 2

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education/flexible mode. **Assessment:** Assignments.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks

List of core references available

OCCP 5172 Selected Topic 1

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT). Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Assessment:** Assignments.

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 5173 Inquiry Topic 3

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. **Session:** Semester 1, Semester 2. **Classes:** Flexible mode.

This unit of study provides the student with the opportunity to investigate an area relevant to theory and practice 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 5174 Inquiry Topic 4

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. **Session:** Semester 1, Semester 2.

This unit of study provides the student with the opportunity to investigate an area relevant to theory and practice 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 5175 Practice Topic 1

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. **Session:** Semester 1, Semester 2. **Classes:** Flexible.

This unit of study provides the student with the opportunity to study in-depth a specific aspect of occupational therapy practice. The outcome of this 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 5185 Selected Topic

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ms Judy Ranka (02) 9351 9207. **Session:** Semester 1, Semester 2. **Classes:** Distance education. **Assessment:** Assignments.

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 5186 Theory in Occupational Therapy

6 credit points. M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Ruth Beltran. **Session:** Semester 2, Semester 1. **Classes:** Web-based. **Assessment:** Contribution to online discussion, equivalent to 2800 words (50%); assignment 1200 words (20%); assignment 2000 words (30%).

The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in occupational therapy. Epistemological orientation to theory development and practice, conceptual and theoretical structures in occupational therapy, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to occupational therapy. Furthermore the student will engage in an in-depth analysis of a relevant theoretical framework or conceptual model and examine its application and impact on relevant areas of practice and research.

Textbooks

No text book

OCCP 5187 Falls Prevention With Older People

6 credit points. M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr. Lindy Clemson (02) 9351 9377. Email: l.clemson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Web-based module. **Assessment:** Contribution to web based discussions, 1 x 1500 and 1 x 3000 word assignment.

This subject is designed to explore in depth the evidence base for interventions related to intrinsic and extrinsic risk factors for falls in older people. The content will be multifactorial and a community-based falls prevention and confidence-building program, Stepping On, will be presented as an example of how to implement a program and develop specific skills. The unit will also provide an orientation to the conceptual framework and models that underpin falls prevention practice in both institutional and community contexts. The written assignments will provide some opportunity to explore and apply relevant theory to practice in falls prevention.

Textbooks

Clemson L, Swann M, Twible R, Cumming RG, Kendig H, Taylor K. Stepping On: building confidence and reducing falls. A community based program for older people. Lidcombe, NSW: The University of Sydney; 2003. Lord SR, Sherrington C, Menz HB. Falls in older people. Risk factors and strategies for prevention. Cambridge: Cambridge University Press; 2001.

OCCP 5188 Ethics and Health Science Research

6 credit points. H Sc D, M App Sc (OT), M Hlth Sc (OT), M O T, PG Coursework Exchange, Ph D (Occ &Leis Sc). Dr. Maureen Fitzgerald (02) 9351 9216. Email: m.fitzgerald@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus 3 hour evening seminar. **Assessment:** 20% seminar leadership on a research issue or the student's own project;

80% a research ethics topic paper or a completed ethics application.

Student led seminars will guide the exploration of ethical issues in health science research to enhance students' understanding of ethical issues encountered in research and evaluation activities and the application of this knowledge in practice. The seminars will deal with well identified core general issues and those specific to students' proposed research interests. Students will be introduced to the research ethics review process and develop strategies to successfully negotiate it.

Textbooks

Nil

OCCP 5189 Consultation: The Other Service Delivery

6 credit points. M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Professor Anita Bundy. **Session:** Semester 1, Semester 2. **Classes:** 5 day workshop with a WebCT mode. **Assessment:** 3000 word report of consultation (50%); oral presentation (30%); self assessment (20%).

Collaborative (process) consultation is about helping clients solve their own problems. It can be used, in health care, education, and other settings as an adjunct to, or in place of, direct intervention with adults or children. The course explores various models of consultation with an emphasis on building collaborative relationships and conducting process consultation. We apply principles of consultation to the students' practice environments. Critical components of the course include interpersonal communication, collaborative problem solving, and interviewing. The course will involve conducting a consultation intervention with mentoring from the instructor and classmates. There is a WebCT component.

Textbooks

Schein, E. H. (1999). Process consultation revisited: Building the helping relationship. Sydney: Addison Wesley.

OCCP 5190 The Power of Play

3 credit points. M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Professor Anita Bundy. **Session:** Semester 1, Semester 2. **Classes:** 3 day block mode. **Assessment:** Moderate knowledge of normal child development. **Assessment:** 3000 word paper.

Play is a primary occupation of children and a powerful medium. However, play often is a problem. Professionals may feel that play is not as important as other aspects of children's programs. Play also defies definition. Is it frivolous behaviour done only for fun? Is it rehearsal for adult life? Is it simply a way to get children to do things they otherwise disdain? If we want to promote play, we need some way to assess it. Play is in the title of a number of assessments. Which one should be used and when? The course explores students' beliefs about play, examines play from the perspectives of numerous theorists, and addresses practical issues of assessment and intervention.

Textbooks

Parham, L. D. & Fazio, L. S. Play in Occupational Therapy for Children, St. Louis, MO: Mosby.

OCCP 5191 Assessing Play: ToP to TOES

3 credit points. M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Professor Anita Bundy. **Session:** Semester 1, Semester 2. **Classes:** 3 day block mode. **Assumed Knowledge:** Moderate knowledge of normal child development. **Assessment:** 3000 word paper.

This course provides students with in-depth knowledge of two observational assessments of children's play: The Test of Playfulness (ToP) and the Test of Environmental Supportiveness (TOES). The ToP is based on a conceptualisation of play that includes intrinsic motivation, internal control, the freedom to suspend some aspects of reality, and the ability to give and read cues. The TOES is set in the context of children's motivations for play and examines the supportiveness of various aspects of the environment.

OCCP 5192 Occupation, Cognition & Social Behaviour

6 credit points. Grad Cert Hlth Sc (OT), M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr. Chris Chapparo. **Session:** Semester 2. **Classes:** 4 Day block mode with independent learning. **Assessment:** Written assessment options will be offered that include: Case based assessment using therapists' own clinical experiences and data and critical reviews of literature on social behaviour and occupational performance. Social behaviour of children with learning and coordination difficulties has been identified as a major limitation to participation in school and community life. While there are various sensory, cognitive and motivational reasons proposed for social difficulties, limitations in information processing have been identified as a major contributor. This unit of study examines social behaviour from the perspective of occupation, with supporting theory from neuroscience, social science and cognitive science perspectives. Links between sensory processing and cognitive information processing style will be made with social behaviour. Parameters for developing interventions for improved social skills where information processing does not provide adequate support for desired occupational performance in children with learning and developmental disabilities will be discussed.

Textbooks

No text book

OCCP 5193 Handwriting: Written Expression II

3 credit points. Grad Cert Hlth Sc (OT), M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr. Chris Chapparo. **Session:** Semester 1. **Classes:** Two day block mode with independent learning. **Assessment:** Assessment options will be offered that include: Case based assessment using therapists' own clinical experiences and data and critical reviews of literature on written expression and handwriting.

This unit of study follows on from Handwriting, Written Expression and Tool Use I, to focus on the expectations of handwriting in upper primary and highschool. Difficulties that older children with learning disabilities experience with the written text types expected within the school curriculum during later school years will be explored. Particular emphasis will be placed on the role of occupational therapy in the assessment and intervention for problems with planning and organisation of written work, legibility and readability.

Textbooks

Nil

OCCP 5194 Sensory Processing and Function

6 credit points. Grad Cert Hlth Sc (OT), M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr. Chris Chapparo, Professor Winnie Dunn. **Session:** Semester 2. **Classes:** 4 day Block mode. **Assessment:** Written assignment: three options: theory, case study, small research project (6,000 words).

Sensory dormancy, sensory seeking and sensory defensiveness: impact on occupational performance. Human occupational performance emerges from the sensory, cognitive and motivational systems. The events of daily life reflect the action of these systems as well. This unit of study reviews sensory processing from a neuroscience, social science and cognitive science perspective. Four sensory processing patterns will be explored: sensation seeking, sensation avoiding, sensory sensitivity and low registration. Evidence supporting the link between these processing patterns, neurological thresholds, temperament and self-regulation strategies will be presented. Further links between sensory processing and cognitive information processing style will be made. Parameters for developing interventions

where sensory processing does not provide adequate support for desired occupational performance in children with learning and developmental disabilities will be discussed.

Textbooks

Nil

OCCP 5195 Visual Perception and Learning Disorders

6 credit points. Grad Cert Hlth Sc (OT), M App Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Dr. Chris Chapparo. **Session:** Semester 1. **Classes:** 3 day block mode with independent learning. **Assessment:** Assessment options will be offered that include: Case based assessment using therapists' own clinical experiences and data and critical reviews of literature on visual perception and occupational performance.

This unit of study enables students to study the contribution of visual perception to occupational performance. Neuroscience, sensory, and cognitive perspectives of visual perception will be explored. Various assessment formats will be examined and critiqued. Using case based format, students will practice interpreting test scores and apply intervention models that can be used with children who have difficulties in this area of sensory processing.

Textbooks

Nil

OCCP 5196 PRPP System of Intervention

6 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange. Judy Ranka, Dr. Chris Chapparo. **Session:** Semester 2. **Prerequisites:** OCCP5152 Measuring Occupational Performance: Neurology 1 and OCCP 5153 Measuring Occupational Performance: Neurology 2 (The PRPP System of Assessment). **Assessment:** Participants will be expected to integrate theory and research to create an intervention program for a client whose occupational performance is compromised by information processing impairments.

This unit of study will provide the students with an opportunity to learn how to apply sensory, cognitive and behavioural modes of occupational therapy intervention within a framework of systematic instruction in order to improve client performance of occupational tasks as well as the information processing reasons for task performance difficulties.

Textbooks

Nil

Master of Occupational Therapy

OCCP 5074 Problem Identification I

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5075 Problem Identification 2

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5077 Activity Adaptation 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5079 OT Intervention 2

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5081 Evaluation and Research 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5083 Professional Management 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5085 Professional Presentation 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5087 Problem Identification in Practice 2

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: Semester 2. **Classes:** 1 hour/week for 6 weeks 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.

Textbooks

Not prescribed for unit of study

OCCP 5088 Activity Adaptation in Practice 1

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5089 Activity Adaptation in Practice 2

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5090 OT Intervention in Practice 1

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5091 OT Intervention in Practice 2

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5092 Evaluation and Research in Practice 1

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5093 Evaluation and Research in Practice 2

4 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5094 Professional Management in Practice 1

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5095 Professional Management in Practice 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5096 Professional Presentation in Practice 1

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5097 Professional Presentation in Practice 2

3 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: 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.

Textbooks

Not prescribed for unit of study

OCCP 5098 Elective Topic

4 credit points. B App Sc (OT), B B Hlth Sc (Hons), Grad Cert Hlth Sc (Med Sono), M O T, M Orth, PG Coursework Exchange. Dr Susan Griffin (02) 9351 9377.

Session: Semester 1, Semester 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.

OCCP 5179 Problem Identification in Practice 1A

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignments.

Students will continue to develop their skills in problem identification. Students will continue this development via skills based workshops. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

Textbooks

No prescribed textbooks.

OCCP 5180 Activity Adaption in Practice 1A

1 credit point. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment.

Students will apply what they have learned during the first two units in this area via skills based workshops. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaptation.

Textbooks

No prescribed textbooks.

OCCP 5181 OT Intervention in Practice 1A

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development via skills based workshops that focus on the types of issues that arise in practice. The emphasis for this unit will be the conceptual issues that underpin occupational therapy practice as well as implementation of practice.

Textbooks

No prescribed textbooks.

OCCP 5182 Problem Identification in Practice 1B

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment, performance in the field.

Students will continue to develop their skills in problem identification. Students will continue this development largely in fieldwork settings. Case based learning will use problems and issues reflected

in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

Textbooks

No prescribed textbooks.

OCCP 5183 Activity Adaptation in Practice IB

1 credit point. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment, performance in the field.

Students will apply their theoretical and practical knowledge of activity analysis and adaptation in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaptation.

OCCP 5184 OT Intervention in Practice IB

2 credit points. M O T, PG Coursework Exchange. Dr Susan Griffin, (02) 9351 9377.

Session: Semester 1. **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment, performance in the field.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will develop this largely in field work settings using case based learning, problems and issues that arise in the field work setting. The emphasis for this unit will be the conceptual issues that underpin occupational therapy practice as well as implementation of practice.

Textbooks

No prescribed textbooks.

28. School of Physiotherapy

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Enquiries regarding postgraduate courses should be directed to the following:

Academic Program Administrator: Ms Trish Fennessy +612 9351 9378

Postgraduate Coursework Programs Coordinators: Associate Professor Jack Crosbie +61 2 9351 9180/Dr Leslie Nicholson +61 2 9351 9369

Research Master's Program and PhD Program Coordinator: Professor Joy Higgs +61 2 9351 9070

Graduate Entry Master's Program Coordinator: Dr Jane Latimer +61 2 9351 9191

Master of Physiotherapy (Graduate Entry Master's program)

Course coordinator: Dr Jane Latimer +612 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.

The course is accredited with the Australian Council of Physiotherapy Regulating Authorities.

Admission requirements

To qualify for admission to this course, applicants shall possess:

- (i) an award of Bachelor of Applied Science (Exercise and Sport Science) from The University of Sydney; or
- (ii) an award of Bachelor of Exercise Science from the University of Wollongong; or
- (iii) 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"; or elective "Motor Control and Dysfunction"; or
- (iv) 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 physiotherapy as a profession. Where more applicants exist than number of places available, admission will be determined on the basis of merit, including GPA.

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 immunisation and vaccination.

Information about these requirements is contained in Chapter 32, 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.

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.

Course outline

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. The course outline for the Graduate Entry Master's Program is presented in Table 28.1.

Table 28.1: Master of Physiotherapy (Graduate Entry Master's Program)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code SCI04 Award total: 96 credit points					
Full-time, 4 semesters					
Year 1					
Semester 1 (first offered in 2006)					
BIOS 5055	Neurosciences for Physiotherapists	3	A Basic neuroscience equivalent to BIOS 1137 Introductory Neuroscience.		Semester 1
BIOS 5073	Functional Musculoskeletal Anatomy	3	A Basic Musculoskeletal anatomy		Semester 1
PHTY 5170	Cardiopulmonary Physiotherapy I	4	C BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists		Semester 1
PHTY 5171	Musculoskeletal Physiotherapy I	6	C BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists		Semester 1
PHTY 5172	Musculoskeletal Physiotherapy II	4	C BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists		Semester 1
PHTY 5176	Neurological Physiotherapy I	4	C BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists		Semester 1
Semester 1 total: 24 credit points					
Semester 2					
PHTY 5173	Scientific Practice I	3	A Background research methods equivalent to Designing Health Research, Analyzing Quantitative/Qualitative Health and Social Research and Foundations of Psychology for the Health Sciences; Foundations of Health Sociology.		Semester 2
PHTY 5174	Professional Practice I	3			Semester 2
PHTY 5175	Cardiopulmonary Physiotherapy II	4	P PHTY 5170 Cardiopulmonary Physiotherapy I		Semester 2
PHTY 5177	Neurological Physiotherapy II	4	P PHTY 5176 Neurological Physiotherapy I		Semester 2
PHTY 5178	Musculoskeletal Physiotherapy III	6	P PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II		Semester 2
PHTY 5179	Musculoskeletal Physiotherapy IV	4	P PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II		Semester 2
Semester 1 total: 24 credit points					
Year 2					
Semester 1 (last offered in 2006)					
PHTY 5146	Cardiopulmonary Physiotherapy M2	2	P PHTY5141 Cardiopulmonary Physiotherapy M1		Semester 1
PHTY 5148	Neurological Physiotherapy M	5	P BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M		Semester 1
PHTY 5150	Community & Occupational Physiotherapy M	5	P BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M C PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5146 Cardiopulmonary Physiotherapy M2 PHTY5148 Neurological Physiotherapy M		Semester 1
PHTY 5152	Clinical Education M2A	7	P PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB C PHTY5146 Cardiopulmonary Physiotherapy M2 PHTY5148 Neurological Physiotherapy M		Semester 1
PHTY 5160	Physiotherapy Research A	2			Semester 1
PHTY 5167	Musculoskeletal Physiotherapy M2A	3	P PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB		Semester 1
Semester 2 total: 24 credit points					
Semester 2					
BACH 5325	Society, Health and Behaviour Change M	2			Semester 2
PHTY 5153	Clinical Education M2B	7	P PHTY 5146 Cardiopulmonary Physiotherapy M2 C PHTY5148 Neurological Physiotherapy M PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5168 Musculoskeletal Physiotherapy M2B		Semester 2
PHTY 5154	Clinical Education M2C	7	P PHTY 5146 Cardiopulmonary Physiotherapy M2 C PHTY5148 Neurological Physiotherapy M PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5168 Musculoskeletal Physiotherapy M2B		Semester 2
PHTY 5161	Physiotherapy Research B	2			Semester 2

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
PHTY 5162 Management of Physiotherapy Practice	3						Semester 2
PHTY 5168 Musculoskeletal Physiotherapy M2B	3		P PHTY 5167 Musculoskeletal Physiotherapy M2A				Semester 2
Semester 2 total: 24 credit points							

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.

Note: All students enrolled in the Master of Health Sciences through the School of Physiotherapy will undertake some units in flexible mode. Currently, the 3 core units which all students enrolled in the Master of Health Sciences must take, are delivered in block mode.

For other students, the course may be entirely delivered in flexible delivery mode (Cardiopulmonary, Neurological, Paediatrics and Physiotherapy specialties).

Please contact the appropriate course coordinator for further information regarding the mode of delivery of units of study within any particular coursework program or visit the Web site (<http://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 +612 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:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) 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
- (iii) such qualifications as are deemed to be equivalent to (i) or (ii); or
- (iv) 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 outline

This course is composed of specified units of study totalling 48 credit points as presented in Table 28.2. A dissertation is an additional requirement for the Master of Health Science (Cardiopulmonary Physiotherapy) Honours degree (Table 28.2.1).

Table 28.2: Master of Health Science (Cardiopulmonary Physiotherapy) Pass course

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC086 Award total: 48 credit points							
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required							
Full-time mode							
Semester 1							
PHTY 5100 Evaluation & Research in Physio Practice	6						Semester 1
PHTY 5101 Advanced Anatomy & Biomechanics	6						Semester 1
PHTY 5120 Clinical Cardiopulmonary Physiotherapy A	6						Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Elective (List A) 6							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5121	Cardiopulmonary Physiotherapy A	6	C PHTY 5100 Evaluation and Research in Physiotherapy Practice				Semester 1
PHTY 5123	Clinical Cardiopulmonary Physiotherapy B	6					Semester 2
Elective (List B) 6							
<i>Semester 2 total: 24 credit points</i>							

Part-time mode

Year 1

Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5121	Cardiopulmonary Physiotherapy A	6	C PHTY 5100 Evaluation and Research in Physiotherapy Practice				Semester 1
<i>Semester 2 total: 12 credit points</i>							

Year 2

Semester 1							
PHTY 5120	Clinical Cardiopulmonary Physiotherapy A	6					Semester 1
Elective (List A) 6							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5123	Clinical Cardiopulmonary Physiotherapy B	6					Semester 2
Elective (List B) 6							
<i>Semester 2 total: 12 credit points</i>							

Master of Health Science (Cardiopulmonary Physiotherapy) Electives

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Pre-requisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
List A							
Semester 1 (6 credit points)							
PHTY 5119	Topics in Cardiopulmonary Physiotherapy	6		C PHTY5105 Physiological and Cognitive Bases of Clinical Practice			Cumb Sem 1
PHTY 5159	Managing Clinical Education Placements	6		A Professional practice and teaching experience.			Cumb Sem 1
Approved Faculty or other cardiopulmonary elective							
List B							
Semester 2 (6 credit points)							
PHTY 5169	Physiotherapy Management in Acute Care	6		A Two years' clinical experience in cardiopulmonary physiotherapy.			Cumb Sem 2
PHTY 5163	Physiotherapy in Pulmonary Rehab	6					Cumb Sem 2
Approved Faculty or other cardiopulmonary elective							

Table 28.2.1: Master of Health Science (Cardiopulmonary Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SCI 19 Award total: 60 credit points							
Off-campus FT/PT							
Full-time: 3 semesters, Part-time: 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2 Honours year							
PHTY 5109	Dissertation		12				Semester 1
Part-time mode							
Year 1 and Year 2							
As per Pass course							
Year 3 Honours year							
PHTY 5109	Dissertation		12				Semester 1

Master of Health Science (Manipulative Physiotherapy)

Course Coordinator: Dr Rob Boland +61 2 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:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) 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
- (iii) such qualifications as are deemed to be equivalent to (i) or (ii); or
- (iv) 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 outline

This course is composed of specified units of study totalling 48 credit points as presented in Table 28.3. A dissertation is an additional requirement for the Master of Health Science (Manipulative Physiotherapy) Honours degree (table 28.3.1).

Table 28.3: Master of Health Science (Manipulative Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC085 Award total: 48 credit points							
Full-time, 2 semesters							
Part-time, 4 semesters							
Full-time mode							
Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
PHTY 5124	Advanced Musculoskeletal Disorders A	6	C PHTY5101 Advanced Anatomy & Biomechanics				Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
PHTY 5125	Clinical Manipulative Physiotherapy A	6	C PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A.				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5126	Advanced Musculoskeletal Disorders B	6	P PHTY5101 Advanced Anatomy & Biomechanics				Semester 2
PHTY 5107	Advanced Musculoskeletal Complex Cases	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B				Semester 2
PHTY 5128	Clinical Manipulative Physiotherapy B	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5124 Advanced Musculoskeletal Disorders A PHTY5125 Clinical Manipulative Physiotherapy A. C PHTY5107 Advanced Musculoskeletal Complex Cases PHTY5126 Advanced Musculoskeletal Disorders B				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year1							
Semester 1							
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
PHTY 5124	Advanced Musculoskeletal Disorders A	6	C PHTY5101 Advanced Anatomy & Biomechanics				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5126	Advanced Musculoskeletal Disorders B	6	P PHTY5101 Advanced Anatomy & Biomechanics				Semester 2
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5125	Clinical Manipulative Physiotherapy A	6	C PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A.				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5107	Advanced Musculoskeletal Complex Cases	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B				Semester 2
PHTY 5128	Clinical Manipulative Physiotherapy B	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5124 Advanced Musculoskeletal Disorders A PHTY5125 Clinical Manipulative Physiotherapy A. C PHTY5107 Advanced Musculoskeletal Complex Cases PHTY5126 Advanced Musculoskeletal Disorders B				Semester 2
<i>Semester 2 total: 12 credit points</i>							

Table 28.3.1 Master of Health Science (Manipulative Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SCI01 Award total: 60 credit points							
Full-time: 3 semesters, Part-time: 5 semesters							
Year1							
As per Pass course							
Year 2 Honours year							
PHTY 5109	Dissertation	12					Semester 1

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Part-time mode					
Years 1 and 2					
As per Pass course					
Year 3 Honours year					
PHTY 5109	Dissertation	12			Semester 1

Master of Health Science (Neurological Physiotherapy)

Course Coordinator: Dr Sharon Kilbreath +61 2 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:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- (ii) 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
(iii) such qualifications as are deemed to be equivalent to (i) or (ii); or
(iv) 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 outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Neurological Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Neurological Physiotherapy) Pass and Honours courses are presented in Tables 28.4 and 28.4.1.

Table 28.4: Master of Health Science (Neurological Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Course code SC088 Award total: 48 credit points				
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.				
Full-time mode				
Semester 1				
PHTY 5100	Evaluation & Research in Physio Practice	6		Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6		Semester 1
PHTY 5114	Optimising Motor Performance A	6	A 2 years Neurology clinical experience.	Semester 1
PHTY 5115	Clinical Neurological Physiotherapy A	6	A Assumed Knowledge: 2 years Neurology clinical experience	Semester 1
<i>Semester 1 total: 24 credit points</i>				
Semester 2				
PHTY 5105	Theoretical Basis of Clinical Practice	6		Semester 2
PHTY 5116	Optimising Motor Performance B	6	A 2 years of clinical experience in Physiotherapy.	Semester 2
PHTY 5117	Topics in Neurological Physiotherapy	6	A 2 years Neurology clinical experience.	Semester 2
PHTY 5118	Clinical Neurological Physiotherapy B	6	A 2 years Neurology clinical experience.	Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year 1							
Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5116	Optimising Motor Performance B	6	A 2 years of clinical experience in Physiotherapy.				Semester 2
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
PHTY 5114	Optimising Motor Performance A	6	A 2 years Neurology clinical experience.				Semester 1
PHTY 5115	Clinical Neurological Physiotherapy A	6	A Assumed Knowledge: 2 years Neurology clinical experience				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5117	Topics in Neurological Physiotherapy	6	A 2 years Neurology clinical experience.				Semester 2
PHTY 5118	Clinical Neurological Physiotherapy B	6	A 2 years Neurology clinical experience.				Semester 2
<i>Semester 2 total: 12 credit points</i>							

Table 28.4.1: Master of Health Science (Neurological Physiotherapy) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SC089 Award total: 60 credit points							
Full-time: 3 semesters, Part-time: 5 semesters							
Some on-campus block attendance will be required.							
Full-time mode							
Year 1							
As per Pass course							
Year 2 Honours year							
PHTY 5109	Dissertation	12					Semester 1
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3 Honours year							
PHTY 5109	Dissertation	12					Semester 1

Master of Health Science (Paediatric Physiotherapy)

Course Coordinators: Ms Jane Butler +61 2 9351 9265 and Ms Genevieve Dwyer +61 2 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:

- (i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or

- (ii) 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
- (iii) Possess such qualifications as are deemed to be equivalent to (i) or (ii); or
- (iv) 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 outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the Master of Health Science (Paediatric Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Paediatric Physiotherapy) Pass and Honours courses are presented in Tables 28.5 and 28.5.1.

Table 28.5 Master of Health Science (Paediatric Physiotherapy) Pass course

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC087 Award total: 48 credit points							
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.							
Full-time mode							
Semester 1							
PHTY 5100 Evaluation & Research in Physio Practice	6						Semester 1
PHTY 5101 Advanced Anatomy & Biomechanics	6						Semester 1
PHTY 5129 Topics in Paediatric Physiotherapy A	6		A 2 years Paediatric Physiotherapy clinical experience.				Semester 1
PHTY 5130 Clinical Paediatric Physiotherapy A	6		A 2 years Paediatric Physiotherapy clinical experience.				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
PHTY 5105 Theoretical Basis of Clinical Practice	6						Semester 2
PHTY 5131 Concepts in Paediatric Physiotherapy	6		A 2 years Paediatric Physiotherapy clinical experience.				Semester 2
PHTY 5132 Topics in Paediatric Physiotherapy B	6		A 2 years Paediatric Physiotherapy clinical experience.				Semester 2
PHTY 5133 Clinical Paediatric Physiotherapy B	6		A 2 years Paediatric Physiotherapy clinical experience. P PHTY5129 Topics in Paediatric Physiotherapy A.				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year 1							
Semester 1							
PHTY 5100 Evaluation & Research in Physio Practice	6						Semester 1
PHTY 5101 Advanced Anatomy & Biomechanics	6						Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105 Theoretical Basis of Clinical Practice	6						Semester 2
PHTY 5131 Concepts in Paediatric Physiotherapy	6		A 2 years Paediatric Physiotherapy clinical experience.				Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
<i>Semester 2 total: 12 credit points</i>			
Year 2			
Semester 1			
PHTY 5129	Topics in Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience. Semester 1
PHTY 5130	Clinical Paediatric Physiotherapy A	6	A 2 years Paediatric Physiotherapy clinical experience. Semester 1
<i>Semester 1 total: 12 credit points</i>			
Semester 2			
PHTY 5132	Topics in Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience. Semester 2
PHTY 5133	Clinical Paediatric Physiotherapy B	6	A 2 years Paediatric Physiotherapy clinical experience. Semester 2 P PHTY5129 Topics in Paediatric Physiotherapy A.
<i>Semester 2 total: 12 credit points</i>			
Note			
1. Or approved elective.			

Table 28.5.1: Master of Health Science (Paediatric Physiotherapy) Honours

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session</i>
Course code SCI23 Award total: 60 credit points			
Full-time: 3 semesters, Part-time: 5 semesters			
Full-time mode			
Year 1			
As per Pass course			
Year 2 Honours year			
PHTY 5109	Dissertation	12	Semester 1
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3 Honours year			
PHTY 5109	Dissertation	12	Semester 1

Master of Health Science (Physiotherapy)

Course Coordinator: Mr Martin Mackey +61 2 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.

Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall possess:

(i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or

(ii) 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
(iii) such qualifications as are deemed to be equivalent to (i) or (ii); or
(iv) 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 have at least two years clinical experience in physiotherapy and demonstrate continuing education in physiotherapy.

Course outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the

Master of Health Science (Physiotherapy) Honours degree. The Pass and Honours courses are presented in Tables 28.6 and 28.6.1. course outlines for the Master of Health Science (Physiotherapy)

Table 28.6: Master of Health Science (Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SC092 Award total: 48 credit points							
Full-time or Part-time, 2 to 4 semesters. Some on-campus block attendance will be required.							
Full-time mode							
Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
PHTY 5111	Clinical Practice A	6					Semester 1
Elective (List A) 6							
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
PHTY 5113	Clinical Practice B	6					Semester 2
2 Electives (List B) 12							
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year 1							
Semester 1							
PHTY 5100	Evaluation & Research in Physio Practice	6					Semester 1
PHTY 5101	Advanced Anatomy & Biomechanics	6					Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105	Theoretical Basis of Clinical Practice	6					Semester 2
Elective (List B) 6							
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
PHTY 5111	Clinical Practice A	6					Semester 1
Elective (List A) 6							
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5113	Clinical Practice B	6					Semester 2
Elective (List B) 6							
<i>Semester 2 total: 12 credit points</i>							

Master of Health Science (Physiotherapy) Electives

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
List A							
Semester 1 (6 credit points)							
PHTY 5110	Introduction to Ergonomics	6		A Undergraduate Ergonomics.			Cumb Sem 1
PHTY 5112	Orthopaedic Physiotherapy	6					Cumb Sem 1

PHTY 5159	Managing Clinical Education Placements	6	A Professional practice and teaching experience.	Cumb Sem 1
PHTY 5164	Ultrasound for Physiotherapists	6		Cumb Sem 1
Approved Faculty and other electives				
ListB				
Semester 2 (12 credit points)				
PHTY 5107	Advanced Musculoskeletal Complex Cases	6	P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B	Cumb Sem 2
PHTY 5116	Optimising Motor Performance B	6	A 2 years of clinical experience in Physiotherapy. P PHTY5101 Advanced Anatomy & Biomechanics.	Cumb Sem 2
PHTY 5131	Concepts in Paediatric Physiotherapy	6	A 2 years Paediatric Physiotherapy clinical experience.	Cumb Sem 2
PHTY 5134	Therapy in Disorders of the Hand	6	A Graduate experience in hand therapy as a qualified Physiotherapist or Occupational Therapist.	Cumb Sem 2
Approved Faculty and other electives				

Table 28.6.1: Master of Health Science (Physiotherapy) Honours

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC093 Award total: 60 credit points							
Full-time: 3 semesters, Part-time: 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2 Honours year							
PHTY 5109	Dissertation	12					Semester 1
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3 Honours year							
PHTY 5109	Dissertation	12					Semester 1

Master of Health Science (Sports Physiotherapy)

Course Coordinator: Dr Leslie Nicholson +61 2 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:

(i) an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or

(ii) 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

(iii) such qualifications as are deemed to be equivalent to (i) or (ii); or

(iv) 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 have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of sports physiotherapy.

Master of Health Science (Sports Physiotherapy) Honours degree. The course outlines for the Master of Health Science (Sports Physiotherapy) Pass and Honours courses are presented in Tables 28.7 and 28.7.1.

Course outline

This course is composed of specified units of study totalling 48 credit points. A dissertation is an additional requirement for the

Table 28.7: Master of Health Science (Sports Physiotherapy) Pass course

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code SC090 Award total: 48 credit points							
Full-time, 2 semesters							
Part-time, 4 semesters							
Full-time mode							
Semester 1							
PHTY 5100 Evaluation & Research in Physio Practice	6						Semester 1
PHTY 5101 Advanced Anatomy & Biomechanics	6						Semester 1
PHTY 5103 Musculoskeletal Sports Injuries A	6		C PHTY5101 Advanced Anatomy & Biomechanics				Semester 1
PHTY 5104 Clinical Sports Physiotherapy A	6		C PHTY5103 Musculoskeletal Sports Injuries A PHTY5101 Advanced Anatomy & Biomechanics				Semester 1
<i>Semester 1 total: 24 credit points</i>							
Semester 2							
PHTY 5105 Theoretical Basis of Clinical Practice	6						Semester 2
PHTY 5106 Musculoskeletal Sports Injuries B	6		P PHTY5101 Advanced Anatomy & Biomechanics.				Semester 2
PHTY 5107 Advanced Musculoskeletal Complex Cases	6		P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B				Semester 2
PHTY 5108 Clinical Sports Physiotherapy B	6		P PHTY5103 Musculoskeletal Sports Injuries A C PHTY5106 Musculoskeletal Sports Injuries B PHTY5101 Advanced Anatomy & Biomechanics				Semester 2
<i>Semester 2 total: 24 credit points</i>							
Part-time mode							
Year 1							
Semester 1							
PHTY 5101 Advanced Anatomy & Biomechanics	6						Semester 1
PHTY 5103 Musculoskeletal Sports Injuries A	6		C PHTY5101 Advanced Anatomy & Biomechanics				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5105 Theoretical Basis of Clinical Practice	6						Semester 2
PHTY 5106 Musculoskeletal Sports Injuries B	6		P PHTY5101 Advanced Anatomy & Biomechanics.				Semester 2
<i>Semester 2 total: 12 credit points</i>							
Year 2							
Semester 1							
PHTY 5100 Evaluation & Research in Physio Practice	6						Semester 1
PHTY 5104 Clinical Sports Physiotherapy A	6		C PHTY5103 Musculoskeletal Sports Injuries A PHTY5101 Advanced Anatomy & Biomechanics				Semester 1
<i>Semester 1 total: 12 credit points</i>							
Semester 2							
PHTY 5107 Advanced Musculoskeletal Complex Cases	6		P PHTY5101 Advanced Anatomy & Biomechanics PHTY5103 Musculoskeletal Sports Injuries A PHTY5106 Musculoskeletal Sports Injuries B				Semester 2

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
PHTY 5108 Clinical Sports Physiotherapy B	6		P PHTY5103 Musculoskeletal Sports Injuries A C PHTY5106 Musculoskeletal Sports Injuries B PHTY5101 Advanced Anatomy & Biomechanics				Semester 2
Semester 2 total: 12 credit points							

Table 28.7.1: Master of Health Science (Sports Physiotherapy) Honours

Unit of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SC091 Award total: 60 credit points							
Full-time: 3 semesters, Part-time: 5 semesters							
Full-time mode							
Year 1							
As per Pass course							
Year 2 Honours year							
PHTY 5109 Dissertation	12						Semester 1
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3 Honours year							
PHTY 5109 Dissertation	12						Semester 1

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

Course Coordinators: Dr Rob Boland +61 2 9351 9156 and Dr Leslie Nicholson +61 2 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 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
- 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
- such qualifications as are deemed to be equivalent to (i) or (ii); 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.

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 outline

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 28.8). 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.

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 six semesters part-time. That is, four semesters for the single degree and an additional one or two semesters to complete the combined degree depending on when the units of study are on offer. Candidates will be encouraged to complete the additional units of study in one semester; if they choose to undertake only one unit of study per year, they may be required to return the following year for Semester 2 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. Stu-

dents 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 28.8 and 28.8.1). 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 i.e. Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy).

Credit transfer is outlined below for potential applicants, including:

- Enrolled student 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 com-

pleting 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.

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.

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.

Table 28.8: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

Unit	of	Study	CP	A:	Assumed	knowledge	P:	Prerequisites	Q:	Qualifying	C:	Corequisites	N:	Prohibition	Session
Course code SCIO5 Credit points for award: 72															
Full-time, 3 semesters															
Part-time, 6 to 7 semesters (duration depends on when units of study are offered)															
Full-time mode															
Year1															
See Table 28.7 (Sports Physiotherapy) OR Table 28.3 (Manipulative Physiotherapy)															
Year 2															
PHTY 5155	Clinical Manipulative Physiotherapy	C	12	A	This unit is only available to students who have completed all requirements for the Master of Health Sciences (Sports Physiotherapy).										Semester 1
PHTY 5156	Clinical Manipulative Physiotherapy	D	12	A	This unit of study is available only to students who have completed all requirements for the MHLthSc(Sports Physiotherapy). C PHTY5155 Clinical Manipulative Physiotherapy C										Semester 2
OR															
PHTY 5157	Clinical Sports Physiotherapy	C	12	A	This unit of study is available only to students who have completed all requirements for the MHLthSc(Ma-nipulative Physiotherapy).										Semester 1
PHTY 5158	Clinical Sports Physiotherapy	D	12	A	This unit of study is available only to students who have completed the MHLthSc(Manipulative Physio-therapy)										Semester 2
Part-time mode															
Years 1 and 2															
See Tables 28.7 (Sports Physiotherapy) OR Table 28.3 (Manipulative Physiotherapy)															
Year 3															
Semester 1															
PHTY 5155	Clinical Manipulative Physiotherapy	C	12	A	This unit is only available to students who have completed all requirements for the Master of Health Sciences (Sports Physiotherapy).										Semester 1
OR															
PHTY 5157	Clinical Sports Physiotherapy	C	12	A	This unit of study is available only to students who have completed all requirements for the MHLthSc(Ma-nipulative Physiotherapy).										Semester 1
Semester 2															

Unit	of	Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
PHTY 5156	Clinical Manipulative Physiotherapy D 12 A	This unit of study is available only to students who have completed all requirements for the MHLthSc(Sports Semester 2 Physiotherapy).	C PHTY5155 Clinical Manipulative Physiotherapy C
OR			

Table 28.8.1: Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours

Unit	of	Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
The Combined 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 in either Sports Physiotherapy or Manipulative Physiotherapy. Full-time: 4 semesters, Part-time: 8 semesters.			
Course code SC091 (Sports Physiotherapy)			
Course code SCI01 (Manipulative Physiotherapy)			
Award total: 12 credit points			
Full-time mode			
PHTY 5109	Dissertation	12	Semester 1
Part-time mode			
PHTY 5109	Dissertation	12	Semester 1

Master of Applied Science (Physiotherapy) by Research - SC025

Course Coordinator: Professor Joy Higgs +61 2 9351 9070

Course aims

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.

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 both enabling preparatory work to support the research and a research thesis. Students who enter the course with adequate research preparation (eg Honours graduates) 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. The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study

BACH 5325 Society, Health and Behaviour Change M

2 credit points. M Pty, PG Coursework Exchange. Dr Robert Heard (02) 9351 9494. Email: r.heard@fhs.usyd.edu.au. **Session:** Semester 2. **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 5055 Neurosciences for Physiotherapists

3 credit points. M Pty, PG Coursework Exchange. Dr John Burne. **Session:** Semester 1. **Classes:** 3 hrs per week. **Assumed Knowledge:** Basic neuroscience equivalent to BIOS 1137 Introductory Neuroscience. **Assessment:** Midsemester written exam (20%) and endsemester written exam (80%).

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

Lecture notes plus comprehensive reading.

BIOS 5073 Functional Musculoskeletal Anatomy

3 credit points. M Pty, PG Coursework Exchange. Ms Jan Douglas-Morris. **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** Basic Musculoskeletal anatomy. **Assessment:** Mid-semester practical examination; end-semester practical examination; end-semester MCQ examination.

Assuming a knowledge of basic musculoskeletal anatomy, this unit will cover an in depth exploration of the functional musculoskeletal anatomy of the trunk, pelvis thorax and neck. Material will be presented in lectures, tutorials, laboratory classes and on-line. Students will be expected to undertake some independent learning tu-

torials. 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)

PHTY 5100 Evaluation & Research in Physio Practice

6 credit points. Cross Inst Enrolment - Phty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Associate Professor Rob Herbert r.herbert@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Block Flexible delivery modes. **Assessment:** Written submission.

The unit will provide the opportunity for students to practise critical evaluation of clinical research pertinent to physiotherapy practice. There will be modules on critical appraisal of studies of the effects of therapy, experiences of therapy, prognosis, accuracy of diagnostic tests, cost-effectiveness. An additional module explores how these sorts of information can be combined in formal clinical decision analyses.

PHTY 5101 Advanced Anatomy & Biomechanics

6 credit points. M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange, Assoc Prof Jack Crosbie, J.Crosbie@fhs.usyd.edu.au/Dr Karen Ginn, K.Ginn@fhs.usyd.edu.au. **Session:** 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 properties and characteristics of movement related to these regions.

PHTY 5103 Musculoskeletal Sports Injuries A

6 credit points. M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 3-4 hours/week, during the day. **Corequisites:** PHTY5101 Advanced 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

6 credit points. M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 2 hours/week, and will require off campus commitment. **Corequisites:** PHTY5103 Musculoskeletal Sports Injuries A. **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 Theoretical Basis of Clinical Practice

6 credit points. Health Sciences PG Non Award, M Hlth Sc (Cardpul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** 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

6 credit points. M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 3-4 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced 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 Musculoskeletal Complex Cases

6 credit points. M Hlth Sc (Manip Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 4 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics, PHTY5103 Musculoskeletal Sports Injuries A. **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

6 credit points. M Hlth Sc (Sports Phty), PG Coursework Exchange, Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Some on-campus but mostly undertaken off-campus in various sports physiotherapy practices. **Prerequisites:** PHTY5103 Musculoskeletal Sports Injuries A. **Corequisites:** PHTY5106 Musculoskeletal Sports Injuries B. **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

12 credit points. M Hlth Sc (Manip Phty)Hons, M Hlth Sc (Neuro Phty)Hons, M Hlth Sc (Paed Phty)Hons, M Hlth Sc (Phty) Hons, M Hlth Sc (Sports Phty) Hons, M Hlth Sc (Cardiopul Phty) Hons, PG Coursework Exchange, Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 1. **Assessment:** 5000-7000 words (100%) due Wk 14 Sem 1, Full-time students; due Wk 13 Sem 2, Part-time students. 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

6 credit points. M Hlth Sc (Phty), PG Coursework Exchange, Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus attendance for 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.

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

6 credit points. M Hlth Sc (Phty), PG Coursework Exchange, Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** 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.

PHTY 5112 Orthopaedic Physiotherapy

6 credit points. M Hlth Sc (Phy), PG Coursework Exchange. Dr Alison Harmer, a.harmer@fhs.usyd.edu.au. **Session:** 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

6 credit points. M Hlth Sc (Phy), PG Coursework Exchange. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** 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.

PHTY 5114 Optimising Motor Performance A

6 credit points. M Hlth Sc (Neuro Phy), PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** 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

6 credit points. M Hlth Sc (Neuro Phy), PG Coursework Exchange. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Flexible delivery modes. **Assumed Knowledge:** 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.

PHTY 5116 Optimising Motor Performance B

6 credit points. M Hlth Sc (Neuro Phy), M Hlth Sc (Phy), PG Coursework Exchange. Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Flexible delivery modes. **Assumed Knowledge:** 2 years of clinical experience in Physiotherapy. **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

6 credit points. M Hlth Sc (Neuro Phy), PG Coursework Exchange. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Depends on elective chosen. **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

6 credit points. M Hlth Sc (Neuro Phy), PG Coursework Exchange. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Session:** 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 PHTY5116 Optimising Motor Performance within a clinical environment without the pressure of the usual work place. Students will also prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The clinical hours may be undertaken at the student's convenience.

PHTY 5119 Topics in Cardiopulmonary Physiotherapy

6 credit points. M Hlth Sc (Cardpul Phy), PG Coursework Exchange. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Off-campus. **Corequisites:** PHTY5105 Theoretical Basis of Clinical Practice. **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

6 credit points. M Hlth Sc (Cardpul Phy), PG Coursework Exchange. Ms Bredge McCarren, B.McCarren@fhs.usyd.edu.au. **Session:** 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 (approx 60 hrs) 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.

PHTY 5121 Cardiopulmonary Physiotherapy A

6 credit points. M Hlth Sc (Cardpul Phy), M Hlth Sc (Phy), PG Coursework Exchange. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Text based off-campus mode. **Corequisites:** PHTY 5100 Evaluation and Research in Physiotherapy Practice. **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 5123 Clinical Cardiopulmonary Physiotherapy B

6 credit points. M Hlth Sc (Cardpul Phy), PG Coursework Exchange. Dr Bredge McCarren, B.McCarren@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Off campus clinical placement. **Assessment:** Case presentation and written report.

This unit will provide the equivalent of 2 weeks (approx 60 hours) access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.

PHTY 5124 Advanced Musculoskeletal Disorders A

6 credit points. M Hlth Sc (Manip Phy), M Hlth Sc (Paed Phy), PG Coursework Exchange. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus 4 hours/week during day. **Corequisites:** PHTY5101 Advanced Anatomy & 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

6 credit points. M Hlth Sc (Manip Phty), PG Coursework Exchange. Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 12 hours/week. **Corequisites:** PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 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

6 credit points. M Hlth Sc (Manip Phty), PG Coursework Exchange. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 3-4 hours/week, during the day. **Prerequisites:** PHTY5101 Advanced Anatomy & 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

6 credit points. M Hlth Sc (Manip Phty), PG Coursework Exchange. Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus 12 hours/week. **Prerequisites:** PHTY5101 Advanced Anatomy & Biomechanics, PHTY5124 Advanced Musculoskeletal Disorders A, PHTY5125 Clinical Manipulative Physiotherapy A. **Corequisites:** PHTY5107 Advanced Musculoskeletal Complex Cases

PHTY5126 Advanced Musculoskeletal Disorders B. **Assessment:** Clinical exam short case 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

6 credit points. M Hlth Sc (Paed Phty), PG Coursework Exchange. Ms Genevieve Dwyer, G.Dwyer@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Predominantly off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy 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 Paediatric Physiotherapy A

6 credit points. M Hlth Sc (Paed Phty), PG Coursework Exchange. Ms Jane Butler, j.butler@fhs.usyd.edu.au. **Session:** 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 Concepts in Paediatric Physiotherapy

6 credit points. M Hlth Sc (Paed Phty), M Hlth Sc (Phty), PG Coursework Exchange. Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** 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%).

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

6 credit points. M Hlth Sc (Paed Phty), PG Coursework Exchange. Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Session:** 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

6 credit points. M Hlth Sc (Paed Phty), PG Coursework Exchange. Dr Adrienne Hunt, A.Hunt@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Predominantly off-campus. **Assumed Knowledge:** 2 years Paediatric Physiotherapy clinical experience. **Prerequisites:** PHTY5129 Topics in Paediatric Physiotherapy A. **Assessment:** Seminar presentation (50%), Written report of a case study (50%).

This unit provides the students with the opportunity to apply knowledge gained in PHTY5129 Topics in Paediatric Physiotherapy A within a clinical environment. Students will prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The academic hours will be negotiated with the unit coordinator with the clinical hours undertaken at the student's convenience.

PHTY 5134 Therapy in Disorders of the Hand

6 credit points. Health Sciences PG Non Award, M Hlth Sc (Phty), PG Coursework Exchange. Ms Rosemary Prosser, rosemary_hands@msn.com.au. **Session:** 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 5146 Cardiopulmonary Physiotherapy M2

2 credit points. M Phty, PG Coursework Exchange. Dr Lyndal Maxwell, L.Maxwell@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** presented on-campus with regularly scheduled classes held during the day. **Prerequisites:** PHTY5141 Cardiopulmonary Physiotherapy M1. **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: Bevesten A.D & Soni N.

PHTY 5148 Neurological Physiotherapy M

5 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Presented on-campus with regularly scheduled classes held during the day. **Prerequisites:** BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M. **Assessment:** Oral exam 30%, written exam 70%.

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. Module 1 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. Module 2 introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barr 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 5150 Community & Occupational Physiotherapy M

5 credit points. M Pty, PG Coursework Exchange. Dr Eva Schonstein, e.schonstein@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Presented on-campus with regularly scheduled classes held during the day. **Prerequisites:** BIOS5054 Functional Musculoskeletal Anatomy M and BIOS5055 Neurosciences for Physiotherapists M. **Corequisites:** PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5146 Cardiopulmonary Physiotherapy M2 PHTY5148 Neurological Physiotherapy M. **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 5152 Clinical Education M2A

7 credit points. M Pty, PG Coursework Exchange. Ms Angela Stark, A.Stark@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY 5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB. **Corequisites:** PHTY5146 Cardiopulmonary Physiotherapy M2 PHTY5148 Neurological Physiotherapy M. **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

7 credit points. M Pty, PG Coursework Exchange. Ms Cheryl Hobbs, C.Hobbs@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY 5146 Cardiopulmonary Physiotherapy M2. **Corequisites:** PHTY5148 Neurological Physiotherapy M PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5168 Musculoskeletal Physiotherapy M2B. **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

7 credit points. M Pty, PG Coursework Exchange. Ms Sharon Faulkner, S.Faulkner@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY 5146 Cardiopulmonary Physiotherapy M2. **Corequisites:** PHTY5148 Neurological Physiotherapy M PHTY5167 Musculoskeletal Physiotherapy M2A PHTY5168 Musculoskeletal Physiotherapy M2B. **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

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty), PG Coursework Exchange. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 1. **Assumed Knowledge:** This unit is only available to students who have completed all requirements for the 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

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty), PG Coursework Exchange. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Session:** Semester 2. **Assumed Knowledge:** This unit of study is available only to students who have completed all requirements for the MHLthSc(Sports Physiotherapy). **Corequisites:** PHTY5155 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 lumbar spine. This will include the theoretical bases as well as the practical skills required.

PHTY 5157 Clinical Sports Physiotherapy C

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty), PG Coursework Exchange. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On campus classes and off campus clinical hours. **Assumed Knowledge:** This unit of study is available only to students who have completed all requirements for the MHLthSc(Manipulative Physiotherapy). **Assessment:** 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

12 credit points. M Hlth Sc (Sp Pty), M Hlth Sc (Manip Pty), PG Coursework Exchange. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On campus classes plus off-campus clinical work. **Assumed Knowledge:** This unit of study is available only to students who have completed the MHLthSc(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 manage-

ment 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 Managing Clinical Education Placements

6 credit points. H Sc D, M Hlth Sc (Cardpul Phty), M Hlth Sc (Phty), PG Coursework Exchange. Prof Joy Higgs, J.Higgs@fhs.usyd.edu.au; Ms Cheryl Hobbs, c.hobbs@fhs.usyd.edu.au. **Session:** Semester 1. Classes: Distance education with 1 or 2 on-campus block workshops. **Assumed Knowledge:** Professional practice and teaching experience. **Assessment:** Completion of 5 modules (40%). Workplace project OR A practical guide for organising your clinical placement (60%). Within the overall curriculum framework, 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. Learning activities include 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 5160 Physiotherapy Research A

2 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 1. Classes: On-campus. **Assessment:** Written assignment (1,000 wds) 50%, Practical Report (50%). This unit of study assists students to evaluate the suitability of assumptions made in physiotherapy research, to evaluate the appropriateness of design strategies and sampling procedures. This unit will build on previous knowledge of research methods and develop skills in applying this to research models for physiotherapists. In this subject students will be required to generate, enter, analyse and interpret data. The unit covers statistical procedures commonly used in physiotherapy research with training in software packages. By the completion of this unit of study participants will understand research designs relevant to physiotherapy practice, how to enter, enter, analyse and interpret data, and how to use a variety of statistical packages.

PHTY 5161 Physiotherapy Research B

2 credit points. M Phty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 2. Classes: On-campus delivery. This unit of study provides students with an in depth understanding about how research evidence can guide clinical practice. Complex issues related to evidence based practice are explored. Students will learn to critically appraise research into the diagnosis, prognosis and treatment of conditions treated by Physiotherapists. By the completion of this unit of study participants will understand how to find and critically appraise research into the diagnosis, prognosis and treatment of conditions seen by physiotherapists and how to tailor this information to individual patients.

PHTY 5162 Management of Physiotherapy Practice

3 credit points. M Phty, Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 2. Classes: on-campus. **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 in Pulmonary Rehab

6 credit points. Cross Inst Enrolment - Phty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Session:** 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

6 credit points. Cross Inst Enrolment - Phty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Session:** Semester 1. Classes: Distance education with intensive block mode. **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 5167 Musculoskeletal Physiotherapy M2A

3 credit points. M Phty, PG Coursework Exchange. Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 1. Classes: On-campus. **Prerequisites:** PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB. **Assessment:** Written exam 70%, clinical skills assessment 30%. This unit of study aims to develop the cognitive and practical skills needed to manage patients presenting with selected musculoskeletal disorders of the vertebral column. Students will learn how to apply the principles of assessment and management learned in PHTY5165 Musculoskeletal Physiotherapy IA and PHTY5166 Musculoskeletal Physiotherapy IB to patients with disorders affecting the lumbar, thoracic and cervical spines and sacroiliac joints. Students will discuss the diagnostic triage of patients with spinal pain and will be taught the necessary practical assessment procedures for examining a patient with spinal pain. As before, the emphasis in this unit is on evidence-based practice with students exposed to a range of physiotherapy management options for spinal pain, such as advice, manual therapy and various forms of exercise including the McKenzie program and the medical options for spinal pain. Students will also study the assessment and treatment of patients with whiplash associated disorder. Time is spent with students discussing how one would integrate selected manual therapy procedures into the overall management of a patient's problem.

PHTY 5168 Musculoskeletal Physiotherapy M2B

3 credit points. M Phty, PG Coursework Exchange. Dr Eva Schonstein, E.Schonstein@fhs.usyd.edu.au. **Session:** Semester 2. Classes: On-campus delivery. **Prerequisites:** PHTY 5167 Musculoskeletal Physiotherapy M2A. **Assessment:** Written exam, group assignment, oral examination. This unit examines major primary and secondary health care issues that are pertinent to physiotherapy practice. It incorporates three modules: physiotherapy within special populations, complex physiotherapy cases and occupational health physiotherapy. The special populations module considers issues related to elderly people in health or disease/disability and people with burn injuries, amputations, HIV/AIDS, diabetes, mental illness or cancer. In addition, issues specific to indigenous Australians and specific to women (eg pregnancy) will be discussed. Other issues examined in this module are those that are important in the provision of a professional physiotherapy service, including marketing and business and quality management. The complex cases module will develop students' skills in analysing and planning management of patients with multi-system and/or complex problems. This module involves in-depth discussion of a small number of case studies during tutorial classes. The occupational health module examines the role of the physiotherapist in occupational health, preventative ergonomics and occupational rehabilitation and explores the theoretical sociological perspectives on work and organisations in relation to injury causation and rehabilitation.

PHTY 5169 Physiotherapy Management in Acute Care

6 credit points. M Hlth Sc (Cardpul Phty), PG Coursework Exchange. Dr Lyndal Maxwell, L.Maxwell@fhs.usyd.edu.au. **Session:** Semester 2. Classes: Distance education mode. **Assessment:** Workbook; two assignments.

This unit of study examines the management of patients in the acute care environment. Topics covered will be analysis of complex arterial gases, interpretation of the CXR and findings from invasive cardiovascular monitoring equipment in ICU, pharmacology in acute care, modes of ventilatory support and the effects on pattern of ventilation and mechanics of breathing (including non-invasive ventilation), critical illness neuropathy and myopathy, weaning from ventilatory support and exercise in the acute care environment. Students will be required to evaluate research literature for evidence to support the use of physiotherapy treatment techniques in the acute care environment.

PHTY 5170 Cardiopulmonary Physiotherapy I

4 credit points. M Pty, PG Coursework Exchange. Dr Bredge McCarren, B.McCarren@fhs.usyd.edu.au and Ms Nia Luxton, N.Luxton@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 3 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; end of semester written examination. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory dysfunction. In particular, students will evaluate pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge at a postgraduate level based on their previous degree.

PHTY 5171 Musculoskeletal Physiotherapy I

6 credit points. M Pty, PG Coursework Exchange. Ms Karyn Whelan, K.Whelelan@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 4 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester written assignment; mid semester practical assessment; end of semester practical assessment; end of semester written examination. This unit aims to introduce students to musculoskeletal physiotherapy practice. Students will study the pathophysiology and management of musculoskeletal disorders of the lower limb, and will be taught the cognitive and practical skills required for assessment, treatment and clinical decision making at an introductory level. Students will learn to take a history, perform selected physical examination techniques and integrate this information to plan and implement a management program. Opportunities will be provided for students to develop basic knowledge and skills in safe and effective selection and use of a range of treatment modalities. Methods of measuring the outcome of these treatment modalities will also be explored. Selected physical and electrical treatment modalities will also be covered.

PHTY 5172 Musculoskeletal Physiotherapy II

4 credit points. M Pty, PG Coursework Exchange. Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 6 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; end of semester practical assessment; end of semester written examination. 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. This unit aims to teach students to integrate a variety of approaches into management of spinal pain.

PHTY 5173 Scientific Practice I

3 credit points. M Pty, PG Coursework Exchange. Dr Rob Herbert, R.Herbert@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 3 hrs per week. **Assessment:** Background research methods equivalent to Designing Health Research, Analyzing Quantitative/Qualitative Health and Social Research and Foundations of Psychology for the Health Sciences; Foundations of Health Sociology. **Assessment:** Mid semester report and end of semester written examination. In this unit of study students will learn how research evidence can guide clinical practice. Complex issues related to evidence based practice are explored. Students will learn to critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists. By the completion of this unit of study participants will be able to find and critically appraise research into

the diagnosis, prognosis and treatment of conditions seen by physiotherapists and tailor this information to individual patients.

PHTY 5174 Professional Practice I

3 credit points. M Pty, PG Coursework Exchange. Ms Vicki Williams, V.Williams@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 3 hrs per week. **Assessment:** Mid semester oral presentation; end of semester written examination. This unit consists of two modules - evidence-based practice and professional practice for physiotherapists. In the professional practice module, students will be introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the Australian Physiotherapy Association Professional Code of Conduct and learn to apply this code in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will build on the principles and processes of professional documentation learnt by students in their previous undergraduate degree. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format.

PHTY 5175 Cardiopulmonary Physiotherapy II

4 credit points. M Pty, PG Coursework Exchange. Dr Lyndal Maxwell / Dr Jenny Alison, L.Maxwell@fhs.usyd.edu.au / J.Alison@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 4 hrs per week. **Prerequisites:** PHTY 5170 Cardiopulmonary Physiotherapy I. **Assessment:** Mid semester seminar presentation; written assignment, end of semester written examination. The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic cardiac dysfunction. This unit will build on student's knowledge of exercise gained through their previous degree, and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise, and to other special populations. In addition students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non intubated patients.

PHTY 5176 Neurological Physiotherapy I

4 credit points. M Pty, PG Coursework Exchange. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** 7 hrs per week. **Corequisites:** BIOS 5073 Functional Musculoskeletal Anatomy, BIOS 5055 Neurosciences for Physiotherapists. **Assessment:** Mid semester practical assessment; end of semester practical assessment; end of semester written examination. Neurological Physiotherapy aims to develop in students an ability to apply relevant theoretical and databased scientific findings to clinical practice in the area of disease and trauma to the nervous system. This unit examines the pathology, impairments (weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations such as contracture), activity limitations (difficulty standing up, sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed, and swallowing) and participation restrictions arising from conditions of acute onset (stroke, traumatic brain injury, cerebral palsy and Guillain Barre Syndrome). Students will learn to assess, train and measure outcome of everyday activities integrated within the rehabilitation team.

PHTY 5177 Neurological Physiotherapy II

4 credit points. M Pty, PG Coursework Exchange. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 3 hrs per week. **Prerequisites:** PHTY 5176 Neurological Physiotherapy I. **Assessment:** End of semester practical assessment; end of semester written examination. This unit consists of two modules. The first module examines the pathology, impairments (spasm, overactive cutaneous reflexes, skin breakdown, as well as adaptations such as contracture and loss of fitness), activity limitations (mobility via aided gait or wheelchair, and hand function using a tenodesis grasp) and participation restrictions arising from conditions of acute onset which do not recover and require adaptation (spinal cord injury and spina bifida). Students will learn to assess, train and measure outcome of everyday activities for these populations. The second module examines the pathology, impairments (bradykinesia, dyskinesia, rigidity, tremor, fatigue as

well as adaptations to these impairments such as the development of contracture and loss of fitness), activity limitations (rolling over, sitting, mobility, transferring and reaching and manipulating objects) and participation restrictions arising from degenerative conditions which require adaptation (Parkinsonism, multiple sclerosis, motor neuron disease and muscular dystrophy). Students will learn to assess and train or prescribe appropriate aids to enable activities to be carried out.

PHTY 5178 Musculoskeletal Physiotherapy III

6 credit points. M Pty, PG Coursework Exchange. Mr Andrew Leaver. A.Leaver@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 7 hrs per week. **Prerequisites:** PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II. **Assessment:** Mid semester written assignment; mid semester practical assessment; end of semester practical assessment; end of semester written examination. This unit will further develop clinical reasoning skills in the practice of musculoskeletal physiotherapy. Students will learn to apply more advanced assessment and management skills with a focus on the upper limb. This unit will also discuss relevant pathology, post surgical management and the involvement of other professionals in the overall management of these patients. The safe and effective selection and use of a range of more complex physical and electrical treatment modalities will be studied. The use of electro physical agents for patient assessment will also be covered eg EMG.

PHTY 5179 Musculoskeletal Physiotherapy IV

4 credit points. M Pty, PG Coursework Exchange. Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** 4 hrs per week. **Prerequisites:** PHTY 5171 Musculoskeletal Physiotherapy I; PHTY 5172 Musculoskeletal Physiotherapy II. **Assessment:** Mid semester practical assessment; end of semester practical assessment; end of semester written examination. This unit will focus on the further development of clinical reasoning in relation to more complex musculoskeletal problems and builds on the information provided in Musculoskeletal Physiotherapy I and II. There will be an emphasis on integration with material from other units of study. Students will learn how to assess and manage cervical and thoracic spine conditions using evidence based practice and to understand how to differentiate symptoms arising from different regions eg the shoulder from the cervical spine. Modules on rheumatological diseases and the assessment and management of chronic pain will be included.

29. Yooroang Garang: School of Indigenous Health Studies

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 for 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 strengthen their areas of professional interest.

Research based pathway

This course focuses on the development of research skills 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 the 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 enables them to select subjects relevant to their professional development needs.

Admission requirements

- 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 29.1.

Table 29.1: Graduate Certificate of Health Science (Indigenous Community Health)

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session	
Course code SG021 Credit points for award: 24			
full-time off-campus, minimum 1 semester			
part-time off-campus, minimum 2 semesters			
Part-time mode			
Year1			
Core units			
AHCD 5052	Indigenous Community Health	6	Semester 1, Semester 2
AHCD 5054	Indigenous Health: Research & Evaluation	6	Semester 1, Semester 2
Plus			
Semester 1			
Elective or Research Elective 6 (see notes below)			
Semester 2			
Elective or Research Elective 6 (see notes below)			
Notes			
1. Project-based pathway: at least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This option provides students with the relevant skills and attributes required for work in the Indigenous context.			
2. Research-based pathway: this option introduces students to the development of a 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

- 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 29.2.

Table 29.2: Graduate Diploma of Health Science (Indigenous Community Health)

Unit	of	Study	CP	A:	Assumed	knowledge	P:	Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SF056 Credit points for award: 36												
full-time, off-campus, minimum 2 semesters												
part-time, off-campus, maximum 4 semesters												
Part-time mode												
Year 1												
Core units												
AHCD 5052		Indigenous Community Health		6								Semester 1, Semester 2
AHCD 5054		Indigenous Health: Research & Evaluation		6								Semester 1, Semester 2
Plus												
Semester 1												
Elective or Research Elective 6 (see notes below)												
Semester 2												
Elective or Research Elective 6 (see notes below)												
Year 2 Option 1: Project-based pathway												
Semester 1												
AHCD 5041		Project Development		6								Semester 2, Semester 1
Semester 2												
AHCD 5042		Project Management		6								Semester 1, Semester 2
Year 2 Option 2: Research-based pathway												
AHCD 5056		Integrative Paper		12								Semester 1, Semester 2
Notes												
1. Project-based pathway: at least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This option provides students with the relevant skills and attributes for work in the Indigenous context.												
2. Research-based pathway: this option introduces students to the development of a 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

- 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 29.3.

Table 29.3: Master of Health Science (Indigenous Community Health) Pass course

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A:</i>	<i>Assumed</i>	<i>knowledge</i>	<i>P:</i>	<i>Prerequisites</i>	<i>Q:</i>	<i>Qualifying</i>	<i>C:</i>	<i>Corequisites</i>	<i>N:</i>	<i>Prohibition</i>	<i>Session</i>
Course code SCI06 Credit points for award: 48															
full-time, off-campus, minimum 2 semesters															
part-time, off-campus, maximum 4 semesters															
Award total: 48 credit points															
Part-time mode															
Year 1 core units															
AHCD 5052	Indigenous Community Health		6												Semester 1, Semester 2
AHCD 5054	Indigenous Health: Research & Evaluation		6												Semester 1, Semester 2
Plus															
Year 1 Option 1: Project-based pathway															
Semester 1															
AHCD 5041	Project Development		6												Semester 2, Semester 1
Semester 2															
AHCD 5042	Project Management		6												Semester 1, Semester 2
Year 1 Option 2: Research-based pathway															
Semester 1															
Elective or Research Elective 6 (see notes below)															
Semester 2															
Elective or Research Elective 6 (see notes below)															
Year 2 Option 1: Project-based pathway															
Semester 1															
AHCD 5068	Project Evaluation (Theory)		6												Semester 1, Semester 2
Elective or Research Elective 6 (see notes below)															
Semester 2															
AHCD 5069	Project Evaluation (Practice)		6				P	Project Evaluation (Theory) AHCD 5068							Semester 2, Semester 1
AHCD 5043	Project Report		6												Semester 1, Semester 2
OR															
4 Electives or Research Electives 24 (see note 3 below)															
Year 2 Option 2: Research-based pathway															
Semester 1															
AHCD 5056	Integrative Paper		12												Semester 1, Semester 2
Semester 2															
AHCD 5057	Literature Critique		12												Semester 2, Semester 1
Notes															
1. Project-based pathway: at least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This option provides students with the relevant skills and attributes required for work in the Indigenous context.															
2. Research-based pathway: this option introduces students to the development of a research proposal through the study of research methodologies applied to health science research.															
3. Please consult course co-ordinator 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

- 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.

Candidates in the MHlthSc(ICH) who have achieved a 65 per cent credit average 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. 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 29.3.1.

Table 29.3.1: Master of Health Science (Indigenous Community Health) Honours

Unit	of	Study	CP	A:	Assumed	knowledge	P:	Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code SCI 15 Credit points for award: 60												
full-time, off-campus, minimum 3 semesters												
part-time, off-campus, maximum 6 semesters												
Award total: 60 credit points												
Part-time mode												
Years 1 and 2												
As per Pass course												
Year 3												
AHCD 5055	Dissertation		12	A Normally students will have completed 48 credit points before enrolling in this unit.								Semester 2, Semester 1

Indigenous Community Health project-based pathway electives

Unit	of	Study	CP	A:	Assumed	knowledge	P:	Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
1. Electives												
The following elective units may be offered subject to staff availability.												
AHCD 5002	Program Planning and Evaluation		6									Semester 1, Semester 2
AHCD 5033	Cultural Awareness for Indigenous Hlth		6									Semester 2, Semester 1
AHCD 5038	Indigenous Health: Socioeconomic Issues		6									Semester 1, Semester 2
AHCD 5039	Health Promotion		6									Semester 1, Semester 2
AHCD 5041	Project Development		6									Semester 2, Semester 1
AHCD 5042	Project Management		6									Semester 1, Semester 2
AHCD 5043	Project Report		6									Semester 1, Semester 2
AHCD 5053	Social Justice and Indigenous Health		6									Semester 1, Semester 2
AHCD 5059	Alcohol & Other Drugs B		6									Semester 1, Semester 2
AHCD 5060	Community Development B		6									Semester 1, Semester 2
AHCD 5061	Indigenous Family Health B		6									Semester 1, Semester 2
AHCD 5062	Indigenous Mental Health B		6									Semester 1, Semester 2
AHCD 5063	Housing and Health B		6									Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
AHCD 5065 Injury Prevention B	6						Semester 1, Semester 2
AHCD 5066 Independent Learning B	6						Semester 1, Semester 2
AHCD 5067 Issues in Community Mental Health B	6						Semester 2, Semester 1
AHCD 5068 Project Evaluation (Theory)	6						Semester 1, Semester 2
AHCD 5069 Project Evaluation (Practice)	6		P Project Evaluation (Theory) AHCD 5068				Semester 2, Semester 1

2. Research electives

With the aid of their supervisor students will select appropriate research electives from the Faculty-wide Master's research electives listed in Chapter 31.

Master of Applied Science (Indigenous Community Health) by research - SC068

This course provides the opportunity for research in Indigenous Community Health.

Admission requirements

- Completed bachelor's 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.

Time limits

The maximum length would normally be four semesters full-time and eight semesters part-time.

Course outline

Research thesis and research electives are the major components of the course. Additional coursework may be required where this is considered necessary for the development of the thesis.

Units of study

AHCD 5002 Program Planning and Evaluation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode. **Assessment:** written assignments.

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 Hlth

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. **Session:** Semester 2, Semester 1. **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: Socioeconomic Issues

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. **Session:** Semester 1, Semester 2. **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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, 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 Indigenous Community Health

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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. Concepts of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.

AHCD 5054 Indigenous Health: Research & Evaluation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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 are provided in print based learning packages and others are available on the web.

AHCD 5055 Dissertation

12 credit points. M Hlth Sc (Ind Comm Hlth) Hons, PG Coursework Exchange. **Session:** Semester 2, Semester 1. **Classes:** Distance education: off campus independent learning. Approximately 312 hours or 24 hours per week. **Assumed Knowledge:** Normally students will have completed 48 credit points before enrolling in this unit. **Assessment:** Written dissertation.

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

12 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Indig Comm Hlth), M Rehab Cng, Miscellaneous Coursework - Sch. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 are provided in print based learning packages and others are available on the Web.

AHCD 5057 Literature Critique

12 credit points. Grad Dip Hlth Sc (Indig Comm Hlth), M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **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 co-ordinator and identify as well as critique the main body of literature in the field. Assessment will involve the submission of a 12,000 word critical review of this literature.

Textbooks

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

AHCD 5059 Alcohol & Other Drugs B

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/Distance Mode. **Assessment:** Negotiated learning contract.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** Off campus. **Assessment:** Negotiated learning contract.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/Distance Mode. **Assessment:** Negotiated learning contract.

The purpose of this unit is to describe 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/Distance Mode. **Assessment:** Negotiated learning contract.

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

AHCD 5063 Housing and Health B

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/Distance Mode. **Assessment:** Negotiated learning contract.

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 5065 Injury Prevention B

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/Distance Mode. **Assessment:** Negotiated learning contract.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. Classes: External/Distance Mode. **Assessment:** Negotiated learning contract.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, Semester 1. Classes: External/Distance Mode. **Assessment:** Negotiated learning contract.

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)

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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)

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, Semester 1. Classes: Contract learning. **Prerequisites:** Project Evaluation (Theory) AHCD 5068.

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.

30. Singapore postgraduate courses

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 the units of study in the semester designated for the off-shore curriculum (as per course outline tables).

The program structure for the Master's degrees 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's degree with a major in anthropology, sociology or psychology; or
- (ii) a bachelor's degree in social work; or
- (iii) an approved bachelor's 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).

Honours

Articulation into the Master of Health Science (Child and Adolescent Health) Honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Child and Adolescent Health) Pass course.

Course outline

The course outlines for the Master of Health Science (Child and Adolescent Health) and Master of Health Science (Child and Adolescent Health) Honours are presented in Table 30.1 and Table 30.1.1.

Table 30.1: Master of Health Science (Child and Adolescent Health) Pass

Unit	of Study	CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
Course code: SC100, Credit points for award: 48								
Part-time, 4 semesters, Semester 2 start								
Part-time mode								
Year 1								
Semester 2 (July-December)								
BACH 5186	Professional Development Skills	6						Semester 2
BACH 5321	Psychology for Graduate Students	6						Semester 1, Semester 2
Semester 2 total: 12 credit points								
Semester 1 (February- June)								
BACH 5313	Child and Adolescent Psychology	6	A Previous study of Psychology at undergraduate level is assumed.					Semester 1, Semester 2
Elective from Group 1 6								
Semester 1 total: 12 credit points								
Year 2								
Semester 2 (July-December)								
BACH 5063	Therapies for Children and Adolescents	6						Semester 2, Semester 1
Elective from Group 2 6								
Semester 2 total: 12 credit points								
Semester 1 (February-June)								

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
2 Electives from Group 3 12							
Electives							
<i>Semester 1 total: 12 credit points</i>							
Group 1. Choose any one elective							
BACH 5138	Abnormal Psychology and Mental Health	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5143	Counselling	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5198	Contemporary Issues 1	6	A Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students.				Semester 1, Semester 2
BACH 5268	Developing A Research Project	6	NB: Not available for Doctor of Health Science students				Semester 2, Semester 1
Group 2. Choose any one elective							
BACH 5138	Abnormal Psychology and Mental Health	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5143	Counselling	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5198	Contemporary Issues 1	6	A Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students.				Semester 1, Semester 2
BACH 5323	Advanced Counselling Skills	6	A Basic counselling skills PBACH5143 Counselling				Semester 2, Semester 1
Group 3. Choose any two electives							
BACH 5138	Abnormal Psychology and Mental Health	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5143	Counselling	6	A Undergraduate Psychology				Semester 1, Semester 2
BACH 5198	Contemporary Issues 1	6	A Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students.				Semester 1, Semester 2
BACH 5268	Developing A Research Project	6	NB: Not available for Doctor of Health Science students				Semester 2, Semester 1

Table 30.1.1: Master of Health Science (Child and Adolescent Health) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC126, Credit points for award: 60							
Part-time, 1 semester							
Part-time mode							
Year 1 and Year 2							
As per Pass course							
Year 3 Honours							
Students will 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	Dissertation	12					Semester 1, Semester 2

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 post-graduate 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 complementary therapies including homeopathy, 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, in-service and continuing education; technology based and distance education; patient and health education.

Admission requirements

- (i) A bachelor's 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.

Honours

Articulation into the Master of Health Science (Education) Honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Education) Pass course.

Course outline

The course outline for the Master of Health Science (Education) is presented in the Table 30.2.

Table 30.2: Master of Health Science (Education) Pass

Unit of Study		CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition			Session
Course code: SC099, Credit points for award: 48					
Part-time, 4 semesters, Semester 2 start					
Part-time mode					
Year1					
Semester 2 (July-December)					
BACH 5001	Adult Learning	6			Semester 2
BACH 5186	Professional Development Skills	6			Semester 2
Semester 2 total: 12 credit points					
Semester 1 (February-June)					
BACH 5002	Educational Design	6			Semester 2, Semester 1
Elective from Group 1 6					
Semester 1 total: 12 credit points					
Year 2					
Semester 2 (July-December)					
BACH 5003	Facilitating Learning	6	A Some knowledge of Adult Learning theory and Group Dynamics useful.		Semester 2
Elective from Group 2 6					
Semester 2 total: 12 credit points					
Semester 1 (February-June)					
2 Electives from group 3 12					
Semester 1 total: 12 credit points					
Electives					
Group 1. Choose any one elective					
BACH 5085	Clinical Teaching and Supervision	6			Semester 2
BACH 5153	Assessment of Learning	6	A Knowledge of Adult Learning and Educational Design is useful.		Semester 1
BACH 5336	Lecturing and Large Group Teaching	6	A BACH5001 Adult Learning and BACH5002 Educational Design		Semester 1
Group 2. Choose any one elective					

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
BACH 5007 Curriculum Leadership	6	P Adult Learning BACH5001 and Educational Design BACH5002	Semester 2
BACH 5024 In-service and Continuing Education	6	A Adult Learning BACH5001 and Educational Design BACH5002 .	Semester 2
BACH 5042 Teaching Clinical Reasoning	6		Semester 2
BACH 5116 Developing Web-Based Education	6	A Basic computer skills	Semester 2
Group 3., Choose any two electives			
BACH 5085 Clinical Teaching and Supervision	6		Semester 2
BACH 5153 Assessment of Learning	6	A Knowledge of Adult Learning and Educational Design is useful.	Semester 1
BACH 5336 Lecturing and Large Group Teaching	6	A BACH5001 Adult Learning and BACH5002 Educational Design	Semester 1

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.

Course outline

The course outline for the Master of Health Science (Education) Honours is presented in Table 30.2.1.

Table 30.2.1: Master of Health Science (Education) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
Course code: SC124, Credit points for award: 60			
Part-time, one semester			
Part-time mode			
Years 1 and 2			
As per Pass course			
Year 3 Honours			
BACH 5263 Dissertation	12		Semester 1, Semester 2

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:

- a bachelor's degree in an area of occupational relevance such as the health, welfare, social or biological 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 requirements for admission to the program, as may be prescribed by Faculty.

Honours

Articulation into the Master of Health Science (Gerontology) Honours course is contingent upon the student achieving an overall credit average and Distinctions in at least two units of study in the Master of Health Science (Gerontology) Pass course.

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 30.3 and Table 30.3.1.

Table 30.3: Master of Health Science (Gerontology) Pass

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC103, Credit points for award: 48							
Part-time, 4 semesters, Semester 2 start							
Year 1							
Semester 2 (July-December)							
BACH 5041 Introduction to Gerontology	6						Semester 1, Semester 2
BACH 5186 Professional Development Skills	6						Semester 2
<i>Semester 2 total: 12 credit points</i>							
Semester 1 (February-June)							
BACH 5216 Behavioural Aspects of Ageing	6						Semester 1
Elective from group 1 6							
<i>Semester 1 total: 12 credit points</i>							
Year 2							
Semester 2 (July-December)							
BIOS 5041 Biological Aspects of Ageing	6						Semester 2
Elective from Group 2 6							
<i>Semester 2 total: 12 credit points</i>							
Semester 1 (February-June)							
2 Electives from Group 3 12							
<i>Semester 1 total: 12 credit points</i>							
Electives							
Group 1. Choose any one elective							
BACH 5027 Mental Health in Later Life	6						Semester 1, Semester 2
BACH 5034 Residential Care and Older People	6						Semester 1
BACH 5036 Community Aged Care	6						Semester 1
BACH 5224 Organisational Management	6						Semester 1
Group 2. Choose any one elective							
BACH 5001 Adult Learning	6						Semester 2
BACH 5038 The Community Setting and Older People	6						Semester 2
BACH 5058 Residential Care Policies and Services	6						Semester 2
BIOS 5018 Health, Dysfunction and Ageing	6						Semester 1, Semester 2
Group 3. Choose any two electives							
BACH 5001 Adult Learning	6						Semester 2
BACH 5027 Mental Health in Later Life	6						Semester 1, Semester 2
BACH 5034 Residential Care and Older People	6						Semester 1
BACH 5036 Community Aged Care	6						Semester 1
BACH 5224 Organisational Management	6						Semester 1

Table 30.3.1: Master of Health Science (Gerontology) Honours

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC125 Credit points for award: 60							
Part-time, 1 semester							
Award total: 60 credit points							
Part-time mode							
Years 1 and 2							
As per Pass course							
Year 3 Honours							
BACH 5263	Dissertation	12					Semester 1, Semester 2

Master of Health Science (Management)

Off-shore (Singapore-based)

The Master of Health Science (Management) course is offered 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's degree in health sciences from a recognised tertiary institution (or equivalent); 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.

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 in the Master

of Health Science (Management) program 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 12 credit points and will normally be completed within one or two semesters.

Course outline

The course outline for the Master of Health Science (Management) and Master of Health Science (Management) Honours are presented in Table 30.4 and Table 30.4.1.

Table 30.4: Master of Health Science (Management)

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Course code: SC078, Credit points for award: 48							
Pass course, 2 semesters, Semester 2 start							
Part-time mode							
Year 1							
Semester 2 (July-December)							
SING 5001	Organisational and Managerial Behaviour	6					Semester 2
SING 5002	Health Economics	6					Semester 2
<i>Semester 2 total: 12 credit points</i>							
Semester 1 (February-June)							
SING 5003	Health Service Leadership and Change	6					Semester 1
SING 5004	Accounting and Financial Management	6					Semester 1
<i>Semester 1 total: 12 credit points</i>							
Year 2							
Semester 2 (July-December)							
SING 5005	Health Service Marketing	6					Semester 2
SING 5006	Strategic Management and Planning	6					Semester 2
<i>Semester 2 total: 12 credit points</i>							

Unit	of	Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Semester 1 (February-June)			
SING 5007	Managing HR and IR in the Health Sector	6	Semester 1
SING 5008	Information and Decision Analysis	6	Semester 1
<i>Semester 1 total: 12 credit points</i>			

Table 30.4.1: Master of Health Science (Management) Honours

Unit	of	Study	CPA: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition Session
Course code: SC079, Credit points for award: 60			
Part-time, 1 or 2 semesters			
Years 1 and 2			
As per Pass course			
Year 3 Honours			
Semester 2 (July-December)			
SING 5013	Dissertation	12	Semester 2
or			
Semester 2 (July-December)			
SING 5014	Dissertation A	6	Semester 2
Semester 1 (February-June)			
SING 5015	Dissertation B	6	Semester 1

Units of study

BACH 5001 Adult Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville. **Session:** Semester 2. **Classes:** External/distance mode: independent learning packages with email and internet support. **Assessment:** Assignment based (non exam).

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

BACH 5002 Educational Design

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2, Semester 1. **Classes:** No classes - independent learning package with email support. **Assessment:** Assignment-based (non exam).

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

Textbooks

Recommended: Caffarella, R (2002) Planning Programs for Adult Learners A practical guide for educators, trainers and staff developers, (Jossey Bass, San Francisco); Fraser, K (1996) Student centered teaching: the development and use of conceptual frameworks (Green Guide No 18, Higher Education and Research Society of Australasia); Higgs, J & Edwards, E (eds) (1999) Educating Beginning Practitioners (Butterworth Heinemann, London).

BACH 5003 Facilitating Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package. Optional weekend workshop (Saturday and Sunday). **Assumed Knowledge:** Some knowledge of Adult Learning theory and Group Dynamics useful. **Assessment:** Literature review, video skills practice and reflective report (non exam).

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

Textbooks

Recommended: Brookfield, S. The Skilful Teacher: on techniques, trust and responsiveness in the classroom (Jossey Bass, San Francisco, 1990); Brookfield, S and Reskill, 5 Discussion as a way of Teaching: Tools and techniques for university teachers (Buckingham, The Society for research into Higher Education, 1999); Higgs, J and Edwards, E Educating Beginning Practitioners (Butterworth Heinemann, London, 1999).

BACH 5007 Curriculum Leadership

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2. **Prerequisites:** Adult Learning BACH5001 and Educational Design BACH5002. **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 5024 In-service and Continuing Education

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** Distance education mode: independent learning package. **Assumed Knowledge:** Adult Learning BACH5001 and Educational Design BACH5002. **Assessment:** Assignment based. Participants explore the main challenges facing educators delivering inservice and continuing education in the workplace. For example, the effects of the changing nature of work; the culturally diverse work force; multi-disciplinary service delivery; job redesign; workplace standards; retention; and information and communication technologies. Education trends associated with these changes are considered; such as, on the job training, competency-based education, mandatory continuing education, informal and incidental learning, transfer of learning and life long learning.

BACH 5027 Mental Health in Later Life

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode: independent learning package. **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.

Textbooks

Please refer to www.fhs.usyd.edu.au/bach/5027

BACH 5034 Residential Care and Older People

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell (02) 9351 9129. Email: c.russell@fhs.usyd.edu.au. **Session:** Semester 1. **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. There are 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Session:** Semester 1. **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. There are 3 modules: The Policy Context; Programs and Services; Profile and Analysis.

Textbooks

www.fhs.usyd.edu.au/bach/5036

BACH 5038 The Community Setting and Older People

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc. Prof. Cherry Russell (02) 9351 9129. **Session:** Semester 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. There are 3 modules: Ageing, Community and Culture; Ageing, Communities and Social Resources; Ageing in the Community Environment.

Textbooks

www.fhs.usyd.edu.au/bach/5038

BACH 5041 Introduction to Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email:

v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support;. **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 Heinemann.

BACH 5058 Residential Care Policies and Services

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell. **Session:** Semester 2. **Classes:** Distance/external mode: web based.

This unit provides an overview of the development and implementation of residential care policies for older Australians, explores specific issues in the delivery of residential aged care services and provides opportunity for independent inquiry..

Textbooks

www.fhs.usyd.edu.au/bach/5058

BACH 5063 Therapies for Children and Adolescents

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Dianne Kenny (02) 9351 9644 email: d.kenny@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Contract learning. **Assessment:** Assignments.

This unit will provide students with an understanding of the major forms of therapy for children, adolescents and their families, research methods appropriate to their study, and an overview of current issues in working therapeutically with children and adolescents. The focus of this elective is on the mastery of the principles of learning theory, functional analysis of behaviour and behaviour management strategies. Students will be encouraged to pursue an area of special interest within the field related to their area of professional practice.

Textbooks

A manual will be provided

BACH 5085 Clinical Teaching and Supervision

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, 02-93519118. Email:

v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support. **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

Facilitating Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

BACH 5116 Developing Web-Based Education

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118. **Session:** 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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth

Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings. **Session:** Semester 1, Semester 2. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **Assessment:** Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSMIV 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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings (02) 9351 9587 and A/Prof Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Class attendance required (Semester 1); Distance Learning (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. Email: f.everingham@fhs.usyd.edu.au. **Session:** 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 Professional Development Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email V.Neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education: no on-campus attendance required. **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 analysis, 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 1

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Distance education mode: contract learning (no on-campus attendance required). **Assumed Knowledge:** Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students. **Assessment:** Four focussed inquiries.

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

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Geront), M O T, M Orth, PG Coursework Exchange. Dr Steven Cumming, (02) 9351 9404. **Session:** Semester 1. **Classes:** Distance education: web based delivery.

This unit provides an overview of how psychology and sociology approach issues associated with ageing. There are three modules: Ageing brain, ageing mind (psychology); Sociological theories in ageing (sociology); The 3rd Age in the 21st century (integrative module).

Textbooks

See www.fhs.usyd.edu.au/bach/5216

BACH 5224 Organisational Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Rosemary Cant. **Session:** 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 these as a springboard for the analysis of changing functions of a successful manager.

BACH 5263 Dissertation

12 credit points. M Hlth Sc (Behav Sc)Hons, M Hlth Sc (Child&Adol Hlth)Hons, M Hlth Sc (Child&Adol Hlth) Hons, M Hlth Sc (Education) Hons, M Hlth Sc (Education)Hons, M Hlth Sc (Geront) Hons, M Hlth Sc (Geront) Hons, PG Coursework Exchange. Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 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

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cln), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cer. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus

Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

BACH 5313 Child and Adolescent Psychology

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Distance education plus 16 hrs face-to-face. **Assumed Knowledge:** Previous study of Psychology at undergraduate level is assumed. **Assessment:** Four tasks.

This unit will provide students with an understanding of the major theories of child development with a focus on cognitive and social development; an overview of current issues in child development and the application of developmental theory to health professional practice. Students will be encouraged to pursue an area of special interest within the field of child development related to their area of professional practice.

Textbooks

Berk, L E (2003) Child Development (6th edition) Boston, Allyn & Bacon Publishing OR
Shaffer, D R (2002) Developmental Psychology (6th edition) Belmont: Wadsworth/Thomson Learning.

BACH 5321 Psychology for Graduate Students

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Dr Chris Lennings. **Session:** Semester 1, Semester 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. This unit is only available to students who have no undergraduate studies in psychology.

BACH 5323 Advanced Counselling Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Chris Lennings. **Session:** Semester 2, Semester 1. **Classes:** Contract learning, including attendance at 6 seminars. Also available by distance education mode. **Assumed Knowledge:** Basic counselling skills. **Prerequisites:** BACH5143 Counselling. **Assessment:** Case study analysis and counselling management plan. Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The Unit is taught as a series of six seminars in the semester following completion of BACH5143 Counselling. This unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken and complete a counselling management plan.

Textbooks

To be advised.

BACH 5336 Lecturing and Large Group Teaching

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), PG Coursework Exchange. Ms Fran Everingham. **Session:** Semester 1. **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required. **Assumed Knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design. **Assessment:** Assignment based.

This unit examines the context of large group teaching with a particular focus on effective lectures and lecturing within and outside university settings. Lecture structure is considered in the light of recent evidence concerning the impact of memory, attention and motivation in the process of student learning and the transfer of learning. Design issues, such as strategies to engage deep learning, monitoring understanding, and flexibility offered by the new information and communication technologies are explored. Relevant micro skills of teaching, such as getting and keeping attention, explaining, variation, dynamic structuring and managing disruption are addressed.

Textbooks

Recommended:
Bligh, D (2000) What's the use of lectures? (Jossey Bass, San Francisco)

BIOS 5018 Health, Dysfunction and Ageing

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), PG Coursework Exchange. Dr Dana Strain (02) 9351 9140. emailD.Strain@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web CT. **Assessment:** Written assignment, Semesters 1 and 2, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence, with age, of certain diseases and syndromes / disorders, especially those with a tendency to become disabling. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented or resulting to further disability. The unit also provides an in-depth study of a specific aspect of individual student interest.

BIOS 5041 Biological Aspects of Ageing

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Knight (02) 9351 9339. **Session:** Semester 2. **Classes:** Independent learning package. No attendance required. **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

6 credit points. M Hlth Sc (Management). **Session:** Semester 2. **Classes:** Class-based and structured learning.

The study of organisations and their management is challenging, stimulating and rewarding. In this unit of study, we examine what it means to manage effectively within the health sector. We expose students to a range of management theories, perspectives and approaches. In particular, recent ideas from management and organisational studies are examined and their applicability to the health sector considered. Core topics include organisational communications, politics, culture, quality improvement and change. A feature of this unit of study is to learn about and apply a number of techniques and tools designed to improve organisational, managerial and individual performance. Learning methods include small group work, case studies, presentations, debates, completion of some aptitude and managerial behaviour exercises and the application of the ideas to the students' own workplaces. We provide feedback on students' own managerial attributes.

SING 5002 Health Economics

6 credit points. M Hlth Sc (Management). **Session:** Semester 2. **Classes:** Class-based and structured learning.

This unit of study provides an introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. The unit includes an introduction to microeconomics, health care markets, market failure, economic evaluation, pharmaceuticals, health care financing and the values that underpin decision-making.

SING 5003 Health Service Leadership and Change

6 credit points. M Hlth Sc (Management). **Session:** Semester 1. **Classes:** Class based and structured learning.

This unit of study is about leadership and change management in the health sector. The overall aims of the unit are to enable students to develop a good understanding of the attributes, skills and behaviours of effective leaders and to develop knowledge of, and practical skills in, the planning and implementation of change. Students will explore historical and current theories of management and leadership and their implications for enhancing personal leadership skills and strategies and examine the relationships between societal culture and leadership style and effectiveness. Students will gain an understanding of the sources of power and the appropriate use of power and influence strategies. Students will also examine the forces driving change in healthcare organisations, the models of planning and implementing change and the visions and directions for change. The major topics studied are the theory of change, change management skills, and leadership and management skills necessary for implementing change.

SING 5004 Accounting and Financial Management

6 credit points. M Hlth Sc (Management). **Session:** Semester 1. **Classes:** Class based and structured learning.

This unit of study provides students with an understanding of accounting and financial management in health care environments. Students learn how health service managers use accounting information to support decision-making. Topics covered include accounting principles, financial statements, ratio analysis, budgeting, variance

analysis, capital budgeting, product costing and internal control systems.

SING 5005 Health Service Marketing

6 credit points. M Hlth Sc (Management). **Session:** Semester 2.

Health services marketing is studied in the context of contemporary concepts, theory and applications of the broader field of services marketing. Students learn how the services marketing system works, how to research the potential for new health care services and how to devise the most appropriate marketing strategies to secure a competitive and profitable position in the marketplace -whether local, regional or international. Topics covered include the rise of services marketing, consumer behaviour and decision making; employee and customer satisfaction and relationship management, marketing communications in the traditional and emerging media; and ethical considerations in the marketing of health care services. Learning scenarios include case studies and give scope for group projects as well as individual work.

SING 5006 Strategic Management and Planning

6 credit points. M Hlth Sc (Management). **Session:** Semester 2. **Classes:** Class based and structured learning.

Strategic management is a vital link - a bridge - between the external environment and the health service organisation. Strategic planning is concerned with the organisation today and what it will be like tomorrow. This unit of study is centred on learning about those two ideas. Specifically, we will apply the ideas to improve the mid- to long-term viability and competitiveness of profit and not-for-profit health sector enterprises. We learn about the kind of strategic choices, tools and techniques available to the health services manager responsible for strategy and planning. A number of intriguing questions are posed. To get a flavour, consider some what and how questions: what is strategic behaviour? What does it mean to manage strategically? How do health service organisations (or, more accurately, the people within them) express their strategic intent and core competencies? What is a learning organisation? How can I plan for the future when the environment is so complex and change so rapid? Topics covered include strategic planning, strategic behaviour, competitive advantage and the learning organisation.

SING 5007 Managing HR and IR in the Health Sector

6 credit points. M Hlth Sc (Management). **Session:** Semester 1. **Classes:** Class based and structured learning.

This unit will introduce participants to a range of issues facing human resource managers in their everyday working lives and will include human resource management tools, techniques and strategies to effectively enhance the performance of the most important resource in organisations, that is, human resources. In the Human Resources module, topics include: strategic human resource management; personnel selection; appraising and managing performance; training and career development. In the Industrial Relations module, topics include: the nature of conflict of interests within organisations; theories which systematise explanations of these; and the nature of state control of management/employee relationships.

SING 5008 Information and Decision Analysis

6 credit points. M Hlth Sc (Management). **Session:** Semester 1. **Classes:** Class based and structured learning.

This unit of study provides students with an understanding of the principles of information and telecommunications technology in health care, and an appreciation of the impact this technology has on decision-making and ultimately clinical care. The unit showcases current health informatics applications and healthcare information systems. Students also learn how to design and operate a database. Topics covered include information systems development, systems analysis and design, informatics in healthcare management and decision-making, electronic health initiatives and artificial intelligence, and managing the socio-technical aspects of health informatics.

SING 5013 Dissertation

12 credit points. M Hlth Sc (Management) Hons. **Session:** Semester 2.

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.

SING 5014 Dissertation A6 credit points. M Hlth Sc (Management) Hons. **Session:** Semester 2. The dissertation provides the student with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or substantial paper that demonstrates the application of scholarly literature to a practical problem.

SING 5015 Dissertation B

6 credit points. M Hlth Sc (Management) Hons. **Session:** Semester 1.

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.

31. Postgraduate elective units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

This section contains details of the units of study available as electives for postgraduate students.

It should be noted that:

- not all electives are offered each semester;
- the mode of presentation varies between Schools;
- the credit point values of units are not all the same;
- there may be limitations on enrolment in some units of study;

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 31.1 below)
- 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

Table 31.1 Unit code prefixes

Prefix	Taught by	Office	Phone
AHCD	Yooroang Garang: School of Indigenous Health Studies	T409	+612 93519393
BACH	School of Behavioural and Community Health Sciences	G101	+612 93519228
BIOS	School of Biomedical Sciences	S202	+612 93519455
CSCD	School of Communication Sciences and Disorders	S101	+612 93519450
DHSC	Doctor of Health Science	G101	+612 93519220
EXSS	School of Exercise and Sport Science	K122	+612 93519612
GSDD	Graduate Studies in Developmental Disability	J105	+612 93519383
HIMT	School of Health Information Management	T301	+612 93519494
MRTY	School of Medical Radiation Sciences	M201	+612 93519640
OCCP	School of Occupation and Leisure Sciences	J105	+612 93519383
ORTH	School of Applied Vision Sciences	T326	+612 93519250
PHTY	School of Physiotherapy	O100	+612 93519273
REHB	School of Behavioural and Community Health Sciences	G101	+612 93519123

Units of study

Faculty Electives

BACH 5138 Abnormal Psychology and Mental Health

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings. **Session:** Semester 1, Semester 2. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **Assessment:** Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSMIV 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville. **Session:** Semester 2. **Classes:** External/distance mode: independent learning packages with email and internet support. **Assessment:** Assignment based (non exam).

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

BACH 5323 Advanced Counselling Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Chris Lennings. **Session:** Semester 2, Semester 1. **Classes:** Contract learning, including attendance at 6 seminars. Also available by distance education mode. **Assumed Knowledge:** Basic counselling skills. **Prerequisites:** BACH5143 Counselling. **Assessment:** Case study analysis and counselling management plan. Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The Unit is taught as a series of six seminars in the semester following completion of BACH5143 Counselling. This unit is also available in Distance

Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken and complete a counselling management plan.

Textbooks
To be advised.

AHCD 5012 Alcohol and Other Drugs A

4 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Enquiries (02) 9351 9393. **Session:** Semester 1, Semester 2. **Classes:** Distance education: contract learning. No on-campus attendance required. **NB:** A 6 credit point version of this unit of study [AHCD 5059] is also available. Please 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

6 credit points. Grad Cert Hlth Sc (Ex&SpSc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Non Award, M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange. Dr Peter Sinclair. **Session:** Semester 2. **Classes:** On-campus 4 hours/week. **Assessment:** Assignment and examinations.

NB: Department permission required for enrolment.

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.

Textbooks
Introduction to Sports Biomechanics. Bartlett, R.

EXSS 5029 Applied Physiology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Ex&SpSc), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Mr Tom Gwinn (02) 9351 9569. **Session:** Semester 1. **Classes:** 2 hours lecture plus 2 hours practical. **Assumed Knowledge:** Good working knowledge by students of basic human biochemistry and physiology. **Assessment:** Mid semester exam, End of semester exam, practical assignments.

The subject has a major emphasis on the responses of skeletal muscle metabolism to the acute stress imposed by exercise, and how muscle metabolism is altered by endurance training. Respiratory gas analysis of whole body metabolism is used to investigate muscle metabolism, and students will gain skills in both practical aspects of collection of gas exchange data and in the calculation and interpretation of data in terms of oxygen consumption, carbon dioxide production and fuel oxidation. In addition the acute cardiovascular and respiratory responses to exercises are examined and cardio-vascular adaptations to training are discussed. This unit of study will be offered by full time and part time coursework on campus.

BACH 5309 Assessment of Children and Adolescents

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Assoc Professor Dianna Kenny (02) 9351 9644 and Dr Chris Lennings (02) 9351 9587. **Session:** Semester 1, Semester 2. **Classes:** Contract learning, including on-campus attendance of two hrs/fortnight. Also available by distance education. **Prerequisites:** BACH5313 Child and Adolescent Psychology. **Assessment:** Case study and literature review.

This unit introduces students to the concepts of psychological assessment including norming, reliability, validity, and standardised administration. The unit familiarises students with cognitive and educational tests and assessment of adaptive function for children and adolescents. Students will be required to undertake supervised administration of one of the Wechsler Scales of Intelligence for Children.

Textbooks
A manual will be provided.

OCCP 5155 Assessment of Environments in Occ Rehab

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (Cardpul Pty), M Hlth Sc (Manip Pty), M Hlth Sc (Neuro Pty), M Hlth Sc (OT), M Hlth Sc (Paed Pty), M Hlth Sc (Pty), M Hlth Sc (Sports Pty), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 2, Semester 1. **Classes:** Distance education with one intensive block (3 days). **Prohibitions:** Available to Physiotherapy or Occupational Therapy postgraduate students only. **Assessment:** 3000 word written assignment.

This unit will address approaches to assessing the work environment. Students will have an opportunity to practically apply different methods of assessing the work environment and jobs. The Competency Standards for Workplace Assessments developed for WorkCov-

er NSW will be used as a framework for conducting workplace assessments and how they are analysed and reported.

Textbooks
List of core references available

OCCP 5154 Assessment of Individuals in Occ Rehab

3 credit points. Grad Cert Hlth Sc (OT), M Hlth Sc (Cardpul Pty), M Hlth Sc (Manip Pty), M Hlth Sc (Neuro Pty), M Hlth Sc (OT), M Hlth Sc (Paed Pty), M Hlth Sc (Pty), M Hlth Sc (Sports Pty), PG Coursework Exchange. Dr Eveline Innes (02) 9351 9209. **Session:** Semester 1, Semester 2. **Classes:** Distance education with one intensive block (3 days). **Prohibitions:** Available to Occupational Therapy and Physiotherapy enrolled postgraduate students only.. **Assessment:** 3000 word assignment. This unit of study will address both standardised and non-standardised assessment approaches to determining an individual's ability to perform work. Students will examine how assessment changes with different levels of function and how to select and use appropriate assessments. Students will have an opportunity to use a range of work-related assessments, analyse and report results. They will also consider the evidence that is available for various work-related assessments and how this is used to select and critique assessments. The Competency Standards for Functional Assessments by WorkCover NSW will be used.

Textbooks
List of core references available

BACH 5153 Assessment of Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. Email: f.everingham@fhs.usyd.edu.au. **Session:** 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 5139 Behaviour Mod & Cog Behavioural Therapy

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Mairwen Jones. **Session:** 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. (2000).

BACH 5216 Behavioural Aspects of Ageing

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), M O T, M Orth, PG Coursework Exchange. Dr Steven Cumming, (02) 9351 9404. **Session:** Semester 1. **Classes:** Distance education: web based delivery.

This unit provides an overview of how psychology and sociology approach issues associated with ageing. There are three modules: Ageing brain, ageing mind (psychology); Sociological theories in ageing (sociology); The 3rd Age in the 21st century (integrative module).

Textbooks
See www.fhs.usyd.edu.au/bach/5216

BIOS 5041 Biological Aspects of Ageing

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Knight (02) 9351 9339. **Session:** Semester 2. **Classes:** Independent learning package. No attendance required. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth),

Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Jennifer Lingard (02) 9351 9527. **Session:** Semester 2. Classes: On- and off-campus campus flexible mode by independent study modules complemented by some lectures and tutorials. Also available by distance education. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au). **Session:** Semester 2. Classes: Distance education mode. **Assessment:** Assignments. 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

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. Classes: Distance education plus 16 hrs face-to-face. **Assumed Knowledge:** Previous study of Psychology at undergraduate level is assumed. **Assessment:** Four tasks.

This unit will provide students with an understanding of the major theories of child development with a focus on cognitive and social development; an overview of current issues in child development and the application of developmental theory to health professional practice. Students will be encouraged to pursue an area of special interest within the field of child development related to their area of professional practice.

Textbooks

Berk, L E (2003) Child Development (6th edition) Boston, Allyn & Bacon Publishing OR

Shaffer, D R (2002) Developmental Psychology (6th edition) Belmont: Wadsworth/Thomson Learning.

BACH 5085 Clinical Teaching and Supervision

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, 02-93519118. Email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. Classes: External/distance mode: independent learning package with email and web support. **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

Facilitating Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

BIOS 5050 Clin Oriented Musculoskeletal Anatomy

4 credit points. Dr. Catherine Willis (02) 9351 9458. **Session:** Semester 2, Semester 1. Classes: On campus lectures, tutorials & practical classes. **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 studied 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

4 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Lynn Harris (02) 9351 9162. **Session:** Semester 1, Semester 2. Classes: Contract learning, including meetings with the Unit Co-ordinator. Can be done by distance through telephone & email. **Prohibitions:** Psychology of Ageing BACH5147. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Session:** Semester 1. 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. There are 3 modules: The Policy Context; Programs and Services; Profile and Analysis.

Textbooks

www.fhs.usyd.edu.au/bach/5036

AHCD 5015 Community Nutrition

4 credit points. **Session:** Semester 2, Semester 1. Classes: Contract learning: no formal classes.

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 identify 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc. Prof. Cherry Russell (02) 9351 9129. **Session:** Semester 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. There are 3 modules: Ageing, Community and Culture; Ageing, Communities and Social Resources; Ageing in the Community Environment.

Textbooks

www.fhs.usyd.edu.au/bach/5038

BACH 5198 Contemporary Issues 1

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. Classes: Distance education mode: contract learning (no on-campus attendance required). **Assumed Knowledge:** Previous study of Psychology at undergraduate level or BACH5321 Psychology for Graduate Students. **Assessment:** Four focussed inquiries.

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 2

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child&Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. Classes: Distance education: contract learning. **Prerequisites:** Contemporary Issues IBACH5198. **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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings (02) 9351 9587 and A/Prof Dianna Kenny (02) 9351 9644. **Session:** Semester 1, Semester 2. **Classes:** Class attendance required (Semester 1); Distance Learning (Semester 2). **Assumed Knowledge:** Undergraduate Psychology. **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).

AHCD 5033 Cultural Awareness for Indigenous Hlth

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2. **Prerequisites:** Adult Learning BACH5001 and Educational Design BACH5002. **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 5338 Cyberpsychology and Online Health

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange. Dr Andrew Campbell. **Session:** Semester 2. **Classes:** On-campus 2 hours per week. **Assessment:** 1000 words on reviewing existing Online Health Services (25%); 1000 words on the benefits/problems of online Mental Health provision (25%); 2000 words on the ethics and improvement of online Health and/or Mental Health resources and services (50%).

This elective is delivered to encompass the broader scope of Health topics online and how Information Technology impacts on behaviour and health.

Cyberpsychology and Online Health aims to educate those seeking careers in allied health on how societal and individual health is both affected and addressed by the Internet. The unit of study will be based on guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of Information Technology in the following areas:

1. Allied Health e-training
2. Ethics and practice of online pharmacies
3. Telemedicine
4. Provision of psychological therapy over the Internet
5. Online psychological testing and research
6. Online health and psychological resources and quality control of such resources
7. Future directions focused on improving health and mental health resources using Information Technology.

BACH 5116 Developing Web-Based Education

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118. **Session:** 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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. Ms Rosemary Pynor, email R.Pynor@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Contract learning: on-campus attendance not required. The aim of this unit of study is to challenge students' understanding of disability. Definitions and models of disability will be examined in terms of how they affect community attitudes toward disability. The unit provides an insight into the life experiences and social position of disabled people from their own perspective. Students will be encouraged to focus their study on a particular segment of the community (ie health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie women, children or people with a specific condition). Some of the topics covered will be definitions of disability, models of disability, attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BACH 5002 Educational Design

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. **Session:** Semester 2, Semester 1. **Classes:** No classes - independent learning package with email support. **Assessment:** Assignment-based (non exam).

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

Textbooks

Recommended: Caffarella, R (2002) Planning Programs for Adult Learners A practical guide for educators, trainers and staff developers, (Jossey Bass, San Francisco); Fraser, K (1996) Student centered teaching: the development and use of conceptual frameworks (Green Guide No 18, Higher Education and Research Society of Australasia); Higgs, J & Edwards, E (eds) (1999) Educating Beginning Practitioners (Butterworth Heinemann, London).

BACH 5128 Educational Innovation Project A

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville and subject specialists where relevant.

Session: Semester 1. **Classes:** Learning contract. **Assessment:** Report based. Available only to Health Science Education students. 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Ms Victoria Neville and subject specialists where relevant.

Session: Semester 2. **Classes:** Learning contract. **Assumed Knowledge:** Educational Design BACH5002. **Assessment:** Report based.

Available only to Health Science Education students. 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 education mode with email support.

BACH 5004 Educational Practice

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville, tel: (02) 93519118. Email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Contract learning. **Assumed Knowledge:** Educational Design BACH5002. **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

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Toni Schofield (02) 9351 9577 Email: t.schofield@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Distance education mode. **Assessment:** Essay.

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 conducted through 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Intensive compulsory block mode. Semester 2 workshop may be held during intersemester break. **Assessment:** Assignments.

Greater demands are being placed upon health care practitioners and managers to adopt evidence-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal. Please note that there are limited places in this unit of study.

BACH 5003 Facilitating Learning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package. Optional weekend workshop (Saturday and Sunday). **Assumed Knowledge:** Some knowledge of Adult Learning theory and Group Dynamics useful. **Assessment:** Literature review, video skills practice and reflective report (non exam).

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

Textbooks

Recommended: Brookfield, S. The Skilful Teacher: on techniques, trust and responsiveness in the classroom (Jossey Bass, San Francisco, 1990); Brookfield, S and Reiskill, 5 Discussion as a way of Teaching: Tools and techniques for university teachers (Buckingham, The Society for research into Higher Education, 1999); Higgs, J and Edwards, E Educating Beginning Practitioners (Butterworth Heinemann, London, 1999).

HIMT 5078 Health Sector Financial Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Me. Michelle Bramley (02) 9351 9493, michelle.bramley@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education mode. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Mary Jane Mahony. **Session:** Semester 1. **Classes:** Independent learning package with one telephone Conference and supported by a website. 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.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Dr Jennifer Lingard (02) 9351 9527. **Session:** Semester 2. **Classes:** On campus flexible mode by independent study modules complemented by some lectures and tutorials. Also available by distance education. **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 Medical Terminology

6 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), PG Coursework Exchange, Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-Line. **Assessment:** Assignments and exam.

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 5069 Health Care Systems

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Janelle Craig/Prof Beth Reid (02) 9351 9494, j.craig@fhs.usyd.edu.au, b.reid@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Intensive compulsory block mode. **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.

BACH 5148 Health Policy and Social Theory

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr. Toni Schofield (02) 9351 9577 email T.Schofield@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 issues 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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (. **Session:** Semester 2, Semester 1. **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.

BIOS 5018 Health, Dysfunction and Ageing

6 credit points. Grad Cert Hlth Sc (D D), M Hlth Sc (D D), M Hlth Sc (Ed), M Hlth Sc (Geront), M Hlth Sc (Geront), PG Coursework Exchange. Dr Dana Strain (02) 9351 9140. emailD.Strain@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web CT. **Assessment:** Written assignment, Semesters 1 and 2, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence, with age, of certain diseases and syndromes / disorders, especially those with a tendency to become disabling. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented or resulting to further disability. The unit also provides an in-depth study of a specific aspect of individual student interest.

EXSS 5030 Human Mechanics

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Ex&SpSc), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Associate Professor Richard Smith. **Session:** Semester 1. **Classes:** Normal Evening 2 hours lecture, 2 hours practical. **Assessment:** Assignment and examinations.

This unit aims to investigate the relationship between the anatomical structure, mechanical properties and function of the human body during sport and exercise. The unit begins with an examination of the mechanical properties of muscle, considers the implications of their arrangement on the skeleton and studies the coordination requirements for functional movement. Methods of estimation of muscle 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. This knowledge is finally integrated in a practical investigation of the mechanisms of walking. The skills of critical thinking, intellectual curiosity, problem solving, logical and independent thought, will be stimulated by reading, discussion, team work in laboratory classes and class exercises. This unit of study will be offered by full time and part time coursework on campus.

Textbooks

Skeletal muscle structure and function. Leiber, R.I.

HIMT 5070 Human Resource Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Joanne Callen (02) 9351 9558, j.callen@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Distance education mode. **Assessment:** Assignments.

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 5326 Improving Health Systems

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes, email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Seminars vary from year to year (see www.fhs.usyd.edu.au/bach/5326.shtml). **Assessment:** Three assignments.

This seminar series enables postgraduate research and coursework students to explore the uses of systems thinking, complex adaptive systems, and recent advances in networks theory with related practices such as working with communities of knowledge and on the edge of chaos. Student participation in developing emerging ideas and applications is encouraged.

Topics and learning activities in this emergent field may change from year to year (eg monthly seminars, day-long workshops, on-line seminars etc). Check the web site at www.fhs.usyd.edu.au/bach/5326.shtml for most recent information. *Textbooks*
www.fhs.usyd.edu.au/bach/5326.shtml

BACH 5024 In-service and Continuing Education

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 2. **Classes:** Distance education mode: independent learning package. **Assumed Knowledge:** Adult Learning BACH5001 and Educational Design BACH5002. **Assessment:** Assignment based. Participants explore the main challenges facing educators delivering inservice and continuing education in the workplace. For example, the effects of the changing nature of work; the culturally diverse work force; multi-disciplinary service delivery; job redesign; workplace standards; retention; and information and communication technologies. Education trends associated with these changes are considered; such as, on the job training, competency-based education, mandatory continuing education, informal and incidental learning, transfer of learning and life long learning.

BACH 5151 Independent Investigation I

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham (02) 9351 9116. Email: f.everingham@fhs.usyd.edu.au. **Session:** 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 5052 Indigenous Community Health

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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 5306 International Health Risk Management

6 credit points. B B Hlth Sc (Hons), Grad Cert H S M, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip H S M, M H S M, M H S M (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Dr Carol O'Donnell. **Session:** Semester 1, Semester 2. **Classes:** Contract learning: no on-campus attendance required. **Assessment:** Two assignments.

This unit aims to provide students with an understanding of the requirements of basic health risk management 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.

BACH 5196 International Health and Society

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain and Ms Ann Hale. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package. **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.

BACH 5208 Introduction to Computers & the Internet

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo and Dr Zakia Hossain. **Session:** Semester 2. **Classes:** Contract learning. **Assumed Knowledge:** Familiarity with Windows. **Prohibitions:** BACH3105 Computing for Health Practitioners. **Assessment:** One assignment. 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.

HIMT 5027 Introduction to Epidemiology

6 credit points. Grad Cert Hlth Sc (Clin Data Mgmt), M HI M, M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange. Aditi Dey (02) 9351 9058, a.dey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-line delivery. **Assessment:** Assignments & examination. 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

6 credit points. M Hlth Sc (Phty), PG Coursework Exchange. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus attendance for 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.

Textbooks

Ergonomics, the Physiotherapist in the Workplace, B M (1990)
Fitting the Task to the Man (4th ed) E. Grandjean (1990)

BACH 5041 Introduction to Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell email C.Russell@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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 5118 Learning in Groups

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Fran Everingham. **Session:** Semester 1. **Classes:** External/distance mode: Independent learning package with 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).

BACH 5336 Lecturing and Large Group Teaching

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), PG Coursework Exchange. Ms Fran Everingham. **Session:** Semester 1. **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required. **Assumed Knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design. **Assessment:** Assignment based.

This unit examines the context of large group teaching with a particular focus on effective lectures and lecturing within and outside university settings. Lecture structure is considered in the light of recent evidence concerning the impact of memory, attention and motivation in the process of student learning and the transfer of learning. Design issues, such as strategies to engage deep learning, monitoring understanding, and flexibility offered by the new information and communication technologies are explored. Relevant micro skills of teaching, such as getting and keeping attention, explaining, variation, dynamic structuring and managing disruption are addressed.

Textbooks

Recommended:
Bligh, D (2000) What's the use of lectures? (Jossey Bass, San Francisco)

PHTY 5159 Managing Clinical Education Placements

6 credit points. H Sc D, M Hlth Sc (Cardpul Pty), M Hlth Sc (Phty), PG Coursework Exchange. Prof Joy Higgs, J.Higgs@fhs.usyd.edu.au; Ms Cheryl Hobbs, c.hobbs@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Distance education with 1 or 2 on-campus block workshops. **Assumed Knowledge:** Professional practice and teaching experience. **Assessment:** Completion of 5 modules (40%). Workplace project OR A practical guide for organising your clinical placement (60%).

Within the overall curriculum framework, 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. Learning activities include 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 5027 Mental Health in Later Life

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode: independent learning package. **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.

Textbooks

Please refer to www.fhs.usyd.edu.au/bach/5027

HIMT 5068 Microcomputing and Data Mining

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cer. Angelika Lange (02) 9351 9570, a.lange@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Normal delivery evening. **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 5212 Multicultural Issues in Gerontology

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain. **Session:** Semester 1, Semester 2. **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.

BACH 5164 Occupational Health

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Carol O'Donnell and Dr Kate O'Loughlin. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode: independent learning package. **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.

BACH 5224 Organisational Management

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Rosemary Cant. **Session:** 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 these as a springboard for the analysis of changing functions of a successful manager.

BACH 5290 Organisational Psychology

6 credit points. B B Hlth Sc (Hons), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed), M O T, M Orth, PG Coursework Exchange. Assoc Prof Barbara Adamson. **Session:** 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Rosemary Cant (02) 9351 9560 email: r.cant@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On Campus 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.

MRTY 5056 Patient/Practitioner Communication

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Mr John Atyeo. **Session:** Semester 2. **Classes:** Distance Education. **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, support, advice and counselling. Students will be encouraged to become reflective practitioners in the area of communication, and to become active consumers and evaluators of communication in its broadest context.

Textbooks

No specific text recommended. Primary & secondary library sources to be accessed by student

OCCP 5141 Politics and Power in the Workplace

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Susan Griffin (02) 9351 9377. **Session:** Semester 2. **Classes:** Internet and distance delivery for all students. **Assessment:** Essay, reflective journal plus report of a work place based project.

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

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Gomathi Sitharthan. **Session:** Semester 1. **Classes:** On campus 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 5186 Professional Development Skills

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email V.Neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** Distance education: no on-campus attendance required. **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 analysis, 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.

AHCD 5002 Program Planning and Evaluation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** External/distance mode. **Assessment:** written assignments.

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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **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)

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 2. **Classes:** Contract learning. **Prerequisites:** Project Evaluation (Theory) AHCD 5068.

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)

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, Semester 1. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, Semester 1. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 2, Semester 1. **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 5321 Psychology for Graduate Students

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (, Dr Chris Lennings. **Session:** Semester 1, Semester 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. This unit is only available to students who have no undergraduate studies in psychology.

BACH 5147 Psychology of Ageing

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Steve Cumming and Assoc Prof Lynne Harris. **Session:** 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 5324 Psychotherapy

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Chris Lennings. **Session:** Semester 2. **Classes:** Contract

learning, including attendance at 6 seminars. **Prerequisites:** BACH 5143 Counselling. **Corequisites:** BACH 5323 Advanced Counselling Skills. **Assessment:** Completion of 3 case studies.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy. The Unit is delivered as a series of six seminars.

Textbooks

To be advised.

BACH 5074 Reflective Inquiry in Practice

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Dr Ian Hughes. **Session:** Semester 1, Semester 2. **Classes:** Web based. No on-campus attendance required. **Assessment:** Continuous.

NB: Access to the World Wide Web is essential.

In this unit, 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.

Textbooks

www.fhs.usyd.edu.au/bach/5074

BACH 5058 Residential Care Policies and Services

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Assoc Prof Cherry Russell. **Session:** Semester 2. **Classes:** Distance/external mode: web based.

This unit provides an overview of the development and implementation of residential care policies for older Australians, explores specific issues in the delivery of residential aged care services and provides opportunity for independent inquiry..

Textbooks

www.fhs.usyd.edu.au/bach/5058

BACH 5034 Residential Care and Older People

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert. Assoc Prof Cherry Russell (02) 9351 9129. Email: c.russell@fhs.usyd.edu.au. **Session:** Semester 1. **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. There are 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

AHCD 5053 Social Justice and Indigenous Health

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. **Session:** Semester 1, Semester 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. Concepts of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.

BACH 5322 Sociology for Health Professionals

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Ian Hughes (02) 9351 9582 Email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **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 under-

standing of the social structures, institutions and processes relevant to health issues.

Textbooks
www.fhs.usyd.edu.au/bach/5322

BACH 5178 Stress and Disability

6 credit points. Rosemary Pynor email: r.pynor@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Distance education mode: contract learning. No on-campus attendance required.

The aim of this unit of study is to challenge students' understanding of disability. The unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as passive recipients of the care of others, such as health professionals. Factors associated with living with a disability will be covered and the relationship of research to individual accounts of disability critically examined. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service to disabled people leading to more positive rehabilitation outcomes.

BACH 5180 Stress and Illness: Management Issues

6 credit points. B B Hlth Sc (Hons), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig C. Dr Gomathi Sitharthan. **Session:** Semester 1. **Classes:** On campus 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 5042 Teaching Clinical Reasoning

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Ms Victoria Neville (02) 9351 9118 email: v.neville@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** External/distance mode: independent learning package with email and web support. **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 Heinemann.

PHTY 5134 Therapy in Disorders of the Hand

6 credit points. Health Sciences PG Non Award, M Hlth Sc (Phty), PG Coursework Exchange. Ms Rosemary Prosser, rosemary_hands@msn.com.au. **Session:** 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 Therapies for Children and Adolescents

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Assoc Professor Dianne Kenny (02) 9351 9644 email: d.kenny@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Contract learning. **Assessment:** Assignments.

This unit will provide students with an understanding of the major forms of therapy for children, adolescents and their families, research

methods appropriate to their study, and an overview of current issues in working therapeutically with children and adolescents. The focus of this elective is on the mastery of the principles of learning theory, functional analysis of behaviour and behaviour management strategies. Students will be encouraged to pursue an area of special interest within the field related to their area of professional practice.

Textbooks
 A manual will be provided

Research Electives

AHCD 5048 Action Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed). **Session:** Semester 1, Semester 2. **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 5268 Developing A Research Project

6 credit points. B B Hlth Sc, B Hlth Sc (Rehab Cln), Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert. Dr Kaye Brock. **Session:** Semester 2, Semester 1. **Classes:** 3 hrs/week semester 1 on campus
 Delivery Mode: Normal delivery evening Cumb Sem 1, DE Cumb Sem 1, Cumb Sem 2. **Assessment:** 3 assignments.

NB: Not available for Doctor of Health Science students

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.

Textbooks
 Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.

BACH 5302 Epidemiological Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Child Adol Hlth), M Hlth Sc (Ed). Dr Kaye Brock (02) 9351 9124 email: k.brock@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** On-campus 3 hours/week. **Assumed Knowledge:** Previous study of Research Methods at undergraduate level. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes (02) 9351 9582 email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Web based. Some optional evening classes may be offered. In semester 1, four optional face-to-face workshops may be offered if there is sufficient demand. **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

6 credit points. Grad Dip Hlth Sc (Indig Comm Hlth). **Session:** Semester 1, Semester 2. **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.

DHSC 7003 Foundations for Doctoral Studies

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (Med Sono), Grad Cert. Dr Ian Hughes, i.hughes@fhs.usyd.edu.au. **Session:** Semester 1. **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 5298 History and Philosophy of Science

6 credit points. B B Hlth Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), H Sc D, M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Indig Comm H. Dr Rod Rothwell (02) 9351 9122 email: r.rothwell@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** On-campus evening classes. Not available to Doctor of Health Science students. **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

6 credit points. B App Sc (Leis&Hlth), B App Sc (MRS) NMT Hons, B App Sc (MRS) Rad Thpy Hons, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cln) Hons, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth). Dr Peter Choo and Dr Zakia Hossain. **Session:** Semester 2, Semester 1. **Classes:** On-campus, Night classes. **Prerequisites:** Research Methods I (BACH2115) and Research Methods II: Data Analysis and Statistics (BACH1118), 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 5327 Internet Research

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed). Dr Andrew Campbell. **Session:** Semester 1, Semester 2. **Classes:** Internet delivery. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Zakia Hossain (02) 9351 9340 and Dr Kaye Brook (02) 93519124. **Session:** Semester 1. **Classes:** On-Campus contract learning. **Assessment:** Practical assignments.

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

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Indig Comm Hlth), M Rehab Cln, Miscellaneous Coursework - Sch. MsFranEveringham(02)9351 9116. **Session:** Semester 1, Semester 2. **Classes:** Contract learning: no on-campus attendance required. **Assumed Knowledge:** BACH5001 Adult Learning and BACH5186 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

6 credit points. Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed). Dr Peter Choo (02) 9351 9583 email: p.choo@fhs.usyd.edu.au. **Session:** Semester 1. **Classes:** Contract learning: no on-campus attendance required. **Prerequisites:** Intermediate Statistics BACH5253 or BACH5312, 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 5255 Qualitative Research Methods

6 credit points. Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Indig Comm Hlth). Assoc Prof Cherry Russell. **Session:** Semester 1, Semester 2. **Classes:** 3 hours per 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; students also work on a research project of their choice throughout the semester.

Textbooks

No set texts - readings are recommended

DHSC 7002 Research & Inquiry in Health Professions

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), H Sc D, Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Indig Comm Hlth), M Rehab Cln, Miscellaneous Coursework. Dr Kate O'Loughlin (02)93519531 k.oughlin@fhs.usyd.edu.au. **Session:** Semester 2. **Classes:** On-campus or off-campus/distance mode. **Prerequisites:** DHSC7001 Theory in Health Professions and DHSC7003 Foundations for Doctoral Studies.

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 5311 Research Design

8 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), M App Sc (Behav Sc), M App Sc (Orth), M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange. **Session:** Semester 1, Semester 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.

ability. 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 5145 Research Elective Independent Study

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sc (OT), Grad Dip Hlth Sc (Indig Comm Hlth), M App Sc (Orth), M Hlth Sc (Indig Comm Hlth), M Hlth Sc (OT), PG Coursework Exchange. Dr Christine Chapparo (02) 9351 9206. **Session:** Semester 1, Semester 2. **Classes:** Independent learning - no on-campus attendance required. **Assumed Knowledge:** BACH1143 Designing Health Research and BACH 1145 Quantitative Health and Social Research and BACH1147 Qualitative Health and Social Research, or equivalent. **Assessment:** Assignment (6000 words) 100%.

NB: For Occupation and Leisure Sciences 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 elective s.

Textbooks

Course notes and readings provided dependent on the research methodology used.

PHTY 5067 Research Elective Independent Study

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Indig Comm Hlth), M Rehab Cln, Miscellaneous Coursework - Sch. Prof. Joy Higgs J.Higgs@fhs.usyd.edu.au. **Session:** Semester 2, Semester 1. **Classes:** Independent learning: no on-campus attendance required.

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

8 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), M App Sc (Behav Sc), M App Sc (Orth), M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange. Prof. Joy Higgs J.Higgs@fhs.usyd.edu.au. **Session:** Semester 1, Semester 2. **Classes:** Independent learning: no on-campus attendance required.

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 5026 Special Investigation

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Ian Hughes (02) 9351 9582. Email: i.hughes@fhs.usyd.edu.au. **Session:** Semester 1, Semester 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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo and Ms Karen Pepper. **Session:** Semester 1, Semester 2. **Classes:** Contract learning including a small number of on-campus classes. **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

6 credit points. Cross Inst Enrolment - Pty, Cross-Institutional - Him (Postgrad), Cross Inst Enrl Behav Sc, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cer. Dr Peter Choo (02) 9351 9583 email: p.choo@fhs.usyd.edu.au

and Dr Kate O'Loughlin (02) 9351 9531 email: k.oloughlin@fhs.usyd.edu.au. **Session:** Semester 1, 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

6 credit points. Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), H Sc D, Health Sciences PG Non Award, M App Sc (MRS), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chid Adol Hlth), M Hlth Sc (Indig Comm Hlth), M Rehab Cln, Miscellaneous Coursework. Dr Rod Rothwell (02)93519531 r.rothwell@fhs.usyd.edu.au. **Session:** 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

32. Clinical education

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 and management skills, as well as 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 non-standard students

Definitions

Non-standard students being defined as follows:

- (a) Students undertaking Deferred Assessments - students did not attend the entire units of study (UOS) because of extenuating circumstances and final assessment has been deferred because of misadventure or illness.
- (b) Students whose assessment is Incomplete- used for units commenced but not completed - e.g. 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 November 2002)

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 2002/20 - Policy on Removal or Restriction of Students on Clinical Education or Fieldwork Placements. website (http://www.fhs.usyd.edu.au/current_students/other_policies.shtml)

- 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 +61 2 9351 4335.

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 diphtheria, tetanus, pertussis, measles, mumps, rubella, chicken pox, hepatitis 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, Policy Directive PD2 00 5_33 8.

Vaccinations and advice are available through the University Health Service at the Camperdown campus, phone +61 2 9351 3484 or +61 2 93514095.

Information on this subject is available during orientation week and at NSW Department of Health (http://www.health.nsw.gov.au/policies/pd/2005/pd2005_338.html).

Further information about infectious diseases is available, in confidence, from the Faculty adviser, Associate Dean (Clinical Education).

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 campus 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 in A Block. Students wishing to make an appointment with the Counsellor can phone +61 2 9351 9473, or Student Services reception +61 2 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 or fieldwork in the NSW health care systems, 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 Unit as soon as possible after receipt. Student Administration Unit 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 a Clearance for Clinical Placements Card from the NSW Department of Health within six weeks of submitting the form, you are strongly advised to follow up with Student Administration Unit to check if your form has been processed.* Non-acceptance of a student by the NSW Department of Health for clinical placement may affect that student's academic progress. Accordingly, you are urged to contact the Faculty Adviser, Associate Dean (Clinical Education). If you have any concerns or enquiries about this policy. Information about the NSW Department of Health's policy can be found at NSW Department of Health (<http://www.health.nsw.gov.au/audit/students/index.html>)

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 Unit. 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 Unit.

Further details can be obtained from NSW Commission for Children and Young People - Working with Children Check at website (<http://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 NSW Health Records and Information Privacy Act (2002). For further information, see NSW Department of Health Policy Directive PD2005554 at website (http://www.health.nsw.gov.au/policies/pd/2005/pd2005_554.html)

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
Concord Repatriation General
Coorabel, Ryde Rehabilitation Centre
Liverpool
Prince of Wales, Randwick
Royal North Shore Public Hospital
St George, Kogarah
Sydney Eye, Sydney
The Children's Hospital at Westmead
Westmead Centre

Country and interstate

Repatriation and General, Greenslopes Brisbane
Royal Brisbane

Community agencies and private organisations

Alice Betteridge School
Central Sydney Area Health Service
Child, Adolescent and Family Health Services, Glebe
Royal Blind Society of NSW - Enfield, Newcastle and Canberra
Royal Far West Children's Health Scheme, Manly
Royal Institute for Deaf and Blind Children
Save Sight Institute

Private practitioners

Dr M Branley - A Enriquez
Bondi Junction Laser Sight Centre
Dr J Chau-Vo - M Payir
Dr P Duke - R Racanelli
Eastwood Eye Surgery
Eye Associates, Sydney
Eye Institute, Chatswood
Eyetreat, Castle Hill - L Wilcox
Dr M P Flaherty - J Springett
Dr I Francis - M Rice
Dr A Goh - T Nelson, R Kiernicki
Gosford Eye Centre
Dr A Gregory - N K Ngo
Dr B Harrisberg - J O'Regan
Dr M Hennessy - R Turnbull
Dr G S Horowitz
Hunter Street Eye Specialists, Parramatta - N Roediger
Dr A Hunyor - A Pryke
Marsden Eye Specialists, Parramatta & Castle Hill
Dr F Martin - L Leonard
Metwest Eye Centre, Blacktown
Mosman Eye Specialists
Dr M Newman
North Shore Eye Centre, St Leonards
Perfect Vision Laser Correction - Dr C N Moshegov, C Kuah
Dr A Rosenberg - Y Pham-Vu
Sebban Eye Centre
Dr J Smith
Sydney Eye Specialist Centre
Dr Steven Wine - A Coyne
Dr J Yip

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

Council on the Ageing (NSW) Inc

Department of Community Services
Family Planning NSW
GAME - St Vincent de Paul Society
Georges River Community Service
Hepatitis C Council of NSW
Hills Community Centre
Inner Sydney Regional Council for Social Development
Jewish Care
NCOSS
Oasis Youth Network
Recreation & Peer Support Inc
Sydney Water
The LEAD Group
The Lorna Hodgkinson Sunshine Home
United Services Union

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
Royal Rehabilitation Centre Sydney, Ryde
Herbert Street Clinic, Royal North Shore Hospital, St Leonards
University of Sydney Pain Management & Research Centre, Royal North Shore Hospital
Western Sydney Area Health Service, Parramatta
Westmead Hospital - Dept of Rehab Medicine
Jarrah House, Prince Henry Hospital, Little Bay

Country and Interstate

Illawarra Area Health Service - Mental Health
Lithgow Community Mental Health Team
Mingara- Shoalhaven Drug and Alcohol Service, Ulladulla

Government departments and agencies

CRS Australia

Metropolitan

Ashfield, Bankstown, Campbelltown, Chatswood, Darlinghurst, Dee Why, Epping, Blacktown, Rockdale, Hurstville, Southerland Sydney, Penrith

Country and interstate

Bega, Canberra, Lismore, Gosford, Newcastle, Nowra, Tamworth, Whyalla, Wollongong, Darwin, Knox (Vic)

Centrelink, Strathfield
Department of Defence - Mental Health Unit, Enoggera, Qld
Ambulance Service of NSW, Rozelle
NSW Sport and Recreation - Disabled WinterSports, Jindabyne
NSW Sport and Recreation - Sports Unit for Athletes with a Disability, Narabeen
Dept of Ageing, Disability and Home Care, Alexandria
National Disability Abuse & Neglect Hotline, Redfern
Choice Employment Solutions, Blacktown
Community Offenders Services, Wollongong
Impotence Australia
Dept Corrective Services - Disability Services unit, Sydney
Metropolitan Remand & Reception Centre, Silverwater
John Morony Correctional Centre (Parole Unit), South Windsor
Mulawa (Women's) Correctional Centre
NSW Fire Brigade, Sydney
Probation and Parole Service, Parramatta, Bankstown, Penrith
Silverwater Correctional Centre
WorkCover QLD, Brisbane

Community agencies and private organisations

Metropolitan

The 491 Centre, Leichhardt
Active Employment, Parramatta, Penrith, Springwood
Active Occupational Health Services, Liverpool
Advanced Personnel Management, Sydney, Parramatta
Allianz Australia Ltd, Sydney
Australian Injury Management, Granville
Barnados, Mt Pleasant

Break Thru Employment Solutions, Blacktown, Liverpool
 CGU - Workers Compensation, Pyrmont
 Chinese Australian Services Society (CASS), Ashfield
 The Chronic Pain Group, Gordon
 CMS Rehab, Bankstown
 Crawford Healthcare Management Services, Chatswood
 Dulkara Adult Day Service (Inala), Cherrybrook
 Empact Injury Management Services, Baulkham Hills
 The Exodus Foundation, Ashfield
 Flintwood Disability Services Inc, Westmead
 Headway Adult Development Program, Bankstown
 Hornsby Challenge (Network Job Services), Eastwood
 House With No Steps, Belrose
 ICLA, Surry Hills
 IMR - Injury Management & Rehabilitation, Alexandria
 Inergise, Parramatta, Sydney, Liverpool, Hurstville
 Injury Management Assist, Liverpool
 IRS - Total Injury Management, Sydney, Parramatta
 Kairros, Harris Park, Liverpool, Greenwich
 Lifestyle Options - The Spastic Centre, Allambie Heights
 Mercy Community Care, Hornsby
 Miko Consulting P/L, Parramatta
 MP Safety Management, Sydney
 The Maroubra Centre
 Mend Services Pty Ltd, Lidcombe, Forest Lodge (Glebe)
 Mission Australia - Employment, Campbelltown, Campsie, Miller,
 Penrith, Leichhardt, Hornsby, Chatswood
 North West Disability Service, Baulkham Hills
 NADA - Network of Alcohol and Other Drug Services (Youth Off
 The Streets), Marrickville
 ORS Group, Parramatta
 Players Biscuits, Miranda
 PRA (Psychiatric Rehabilitation Association) Redfern, Parramatta
 QBE Insurance, Sydney
 Rehab Options, Miranda
 Recovre, Sydney, Parramatta
 Rehabilitation Services, Sydney
 Re-Start Consulting, Lewisham
 Riverlink Interchange, West Ryde
 Smart Rehabilitation, Newington
 St Vincents Private Workhealth, Parramatta
 Salvation Army Oasis Youth Support Network, Surry Hills
 SEDS, Chatswood
 Seven Hills School for Sensory Education
 S.T.A.R.T.T.S, Carramar
 Studio Artes Inc, Hornsby
 Sydney Counselling Centre, Parramatta
 The Sunnyfield Association, Allambie Heights, Matraville
 Triple Care Farm, Robertson
 Wahroonga Rehabilitation Service, "House In The Park"
 Wesley Life Skills, Belfield, Petersham, Granville, Milperra
 Wesley Rehabilitation Services "Grace Manor", Ashcroft
 Konekt (formerly WIMS), Liverpool, Parramatta
 Work Solutions Group, Surry Hills
 Workfocus Australia, Newtown

Country and interstate

ORS Employment Solutions, Gosford
 Advanced Personnel Management, Brisbane
 Best Practice Rehabilitation, Newcastle
 Inergise, Tamworth
 Recovre, Melbourne
 Hills Street Occupational Rehabilitation Service, West Gosford
 Inergise, Coffs Harbour, Tamworth
 IRS - Total Injury Management, Newcastle, Orange, Wollongong,
 Canberra
 Mandala, Gosford
 Camp Breakaway, San Remo (Central Coast)
 Gus Carfi Psychological and Rehabilitation Services, Ascot Vale
 (Vic)

International

Mitchells Plain Community Health Centre, South Africa
 Agape Family Ministries, South Africa

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.

Hospitals

Metropolitan

Alamander Private Hospital
 Balmain Hospital
 Bankstown/Lidcombe Hospital
 Braeside Hospital
 Camden Hospital
 Campbelltown Hospital
 Children's Hospital at Westmead
 Concord Repatriation General Hospital
 Fairfield Hospital
 Hornsby Kuringai Hospital
 Lady Davidson Private Hospital
 Liverpool Area Health Service
 Manly Hospital
 Nepean Hospital
 Lottie Stewart Hospital
 Prince of Wales Hospital
 Royal North Shore Hospital
 Royal Prince Alfred Hospital
 Royal Ryde Rehabilitation Centre
 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 / Overseas

Albury Base Hospital
 Alice Springs Hospital
 Blue Mountains District Hospital
 Cairns Base Hospital
 Canberra Hospital
 Coffs Harbour Hospital
 Gosford Hospital
 Launceston General Hospital
 Lismore Base Hospital
 Lourdes Hospital, Dubbo
 North Middlesex University Hospital (UK)
 North West Regional Hospital, Tasmania
 Shoalhaven District Memorial Hospital
 Singapore General Hospital
 Tamworth Base Hospital
 Townsville Hospital
 Wagga Wagga Base Hospital
 Yass Hospital

Community Health / NSW, Country, Interstate

ACT Community Health
 Auburn Community Health Service
 Bankstown Community Health Centre
 Bass Coast Regional Health
 Blacktown Community Health Centre
 Broken Hill Health Service
 Burwood Community Health Service
 Campbelltown Regional Health
 Canowindra Health Service
 Canterbury Community Health
 Central Coast Health
 Cootharinga Society of North Qld
 Croydon Health Services
 Eden Community Health Centre
 Fairfield City Council Early Support Team
 Fairfield Health Service
 Forster Community Health Centre
 Goulburn Community Health Centre
 Hawkesbury Community Health Service
 Hornsby Kuring-gai Health Service

Illawarra Child Development Centre
 Illawarra Health Kids Cottage
 Leichardt Health Service
 Lismore Child and Family Health Centre
 Lower Nth Shore Child & Health Service
 Menai Community Health Centre
 Mount Druitt Community Health Centre
 Mudgee Community Health
 Merrylands Community Health
 Mullumbimby Community Health
 Murwillumbah Community Health Centre
 New England Area Health Service
 Northern Beaches Health Service
 Northern Rivers Area Health Service
 Parramatta Community Health Centre
 Port Macquarie Community Health
 Queenscliff Community Health Centre
 Rosemeadow Community Health Centre
 Ryde Child Adolescent and Family Health
 Ryde Community Health Centre
 St Clair Community Health Centre
 Sylvania Community Health Centre
 Tamworth Community Health Centre
 Taree Aged Care Centre
 Townsville Children's Community Therapy Services
 Tumut Community Health Centre
 Tweed Heads Community Health Centre
 Waverley Community Health Centre
 Wentworth Area Health Services
 Young Community Health Centre
 Department of Aging Disability and Homecare (DADHC)
 Armidale DADHC
 Campbelltown DADHC
 Cumberland Prospect DADHC
 Dubbo DADHC
 Goulburn DADHC
 Metro North DADHC
 Metro Residence DADHC
 Metro-West Residences DADHC
 Queanbeyan DADHC
 St Mary's DADHC

Community Agencies and Private Organisations

Alice Betteridge School, North Rocks
 ASPECT
 The Spastic Centre of NSW
 The Sydney Cochlear Implant Centre

Other organisations

Berala Public School
 Bonnyrigg Primary
 Broderick/Gillawama Special School
 DSA
 Educational Speech Pathology
 Fort Dodge Australia
 Kids Cottage Warilla
 Mater Dei Special School
 Dr Roslyb Nielson
 Oak Flats Primary
 Sacred Heart School Cabramatta
 Saint Ignatius' College Riverview
 Saint Brigid's Primary School
 Saint Joseph's Primary School
 Saint Therese Primary School
 St Jerome's Primary School
 St Michael's Primary School
 Vern Barnett Special 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

Children's Hospital at Westmead
 Lady Davidson 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
 Liverpool Health Service
 Macarthur Health Service
 Macquarie Hospital
 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
 Wagga Wagga Base Hospital
 Wollongong Hospital
 Wyong Hospital

Overseas

Hong Kong Hospital Authority, Hong Kong
 North District Hospital
 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 Coast Area Health Service, Gosford
 Central Sydney Health Service, Camperdown
 Central West Regional Office, Peak Hill
 Cumberland Developmental Disability Service
 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

Health Information Management Association of Australia, North Ryde
 iSoft, North Sydney
 NHMRC Clinical Trials Centre, The University of Sydney
 Prime Care Pty Ltd
 Rolls Printing, Castle Hill
 STARTTS - Fairfield Hospital

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
 Independent Radiology Five Dock
 Ipswich Hospital
 John Flynn Hospital
 John Hunter Hospital
 John James Hospital
 Kalgoorlie Regional Hospital
 Kempsey District Hospital
 Kingsway Medical Centre, Brookvale
 Launceston General Hospital
 Lismore Base Hospital
 Lithgow Integrated Health Facility
 Liverpool Hospital
 Logan Hospital - Medical Imaging, QLD
 Macarthur Diagnostic Imaging - Campbelltown and Camden
 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
 Mater Private Hospital, North Mackay
 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
 Mona Vale X-Ray and CT
 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
 South West Radiology, Liverpool
 Southern Radiology, Miranda and Hurstville
 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
 Toowoomba 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
 Westmead Private Hospital
 Whistler Radiology Moruya
 Wollongong Hospital
 Wyong Hospital

Nuclear Medicine

Allamander Private Hospital - Southport QLD
 Bankstown-Lidcombe Hospital
 Bell Imaging, Sunshine Hospital, VIC
 Box Hill Hospital, Melbourne
 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
 Central West Nuclear Medicine, Orange
 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
 McCarther Nuclear Medicine - Campbelltown
 Moorabin Radiology - Melbourne
 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
 Peter MacCallum Cancer Centre - East Melbourne
 Queen Mary Hospital - Hong Kong
 Royal Adelaide Hospital
 Royal Brisbane Hospital
 Royal Children's Hospital - Melbourne
 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, Wetherill Park
 Southern Nuclear Imaging Group - Wollongong
 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 Misericordiae Hospital, Crows Nest
 Radiation Oncology Network - Nepean campus
 Radiation Oncology Network - Westmead campus
 Riverina Cancer Care Centre, Wagga Wagga
 Royal Adelaide Hospital
 Royal Brisbane 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 field-work 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
 Kingswood CHC
 Korrana Family Centre
 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
 QueenscliffCHC
 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
 Waremba 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
 WorkCoverNSW
 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 Ainsworth 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

Aged and Extended Care Dept - Concord Hospital
 Aged Care and Rehab - Royal North Shore Hospital
 Auburn Hospital
 Balmain Hospital
 Bankstown-Lidcombe Hospital
 Blacktown Hospital
 Blue Mountains District Anzac Memorial Hospital
 Braeside Hospital
 Camden Hospital
 Campbelltown Hospital
 Canterbury Hospital
 Central Coast Health Service - Gateway Child Health Centre
 Community Rehabilitation and Geriatric Services, Kogarah
 Concord Repatriation General Hospital
 Fairfield Hospital
 Fairfield Health Services - OHS
 Greenwich Hospital
 Hawkesbury District Health Service
 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
 Northern Sydney AHS Pulmonary Rehabilitation Program
 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, Rehabilitation Day Hospital
 Royal Prince Alfred Hospital, Sleep Disorder Unit
 Royal Rehabilitation Centre, Sydney
 Royal Rehabilitation Centre, Dixson Unit
 Ryde Hospital and Community Health Services
 Sacred Heart Rehabilitation and Palliative Care Service - St Vincent's Hospital
 St George Hospital, Kogarah
 St Joseph's Hospital, Auburn
 St Lukes Hospital, Potts Point
 St Vincent's Hospital, Darlinghurst
 Sutherland Hospital, Caringbah
 Sydney Children's Hospital, Randwick
 Sydney Hospital & Sydney Eye Hospital

The Children's Hospital at Westmead
War Memorial Hospital, Waverley
Westmead Hospital

Country and interstate

Aged Care Services Wagga Wagga
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
Byron District Hospital
Calvary Health Care, ACT
Canberra Hospital, (ACT Health)
Canowindra Soldier's Memorial Hospital
Casino Community Health
Coffs Harbour Base Hospital
Coledale District Hospital
Cootamundra Hospital
Cowra Hospital
David Berry Hospital
DHCS/ACT Therapy Northside Team
Dubbo Base Hospital
Gulgandra Hospital
Gosford Hospital
Goulburn Base Hospital
Grafton Base Hospital
Griffith Base Hospital
Gunnedah Health Services
Hunter Brain Injury Service
Inverell Health Service
John Hunter Hospital
Kempsey District Hospital
Latrobe Regional Hospital
Launceston General Hospital
Lawrence Hargrave Hospital
Lismore Base Hospital
Long Jetty Health Care Centre
Lourdes Hospital, Dubbo
Maclean Community Health
Maitland Hospital
Manning Base Hospital, Taree
Mercy Care Centre, Young
Mildura 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
Royal Darwin Hospital
Royal Hobart Hospital
Royal Newcastle Hospital
Shellharbour Hospital
Shoalhaven District Memorial Hospital, Nowra
St Vincent's Hospital, Lismore
Tamworth Base Hospital & Health Service
Tamworth Community Health Centre
The Canberra Hospital
Tweed Heads Hospital
Upper Hunter Community Health
Wagga Wagga Base Hospital
Wellington District Hospital
Wollongong Hospital
Woy Woy Hospital
Wyong District Hospital
Yarram and District Health Service

Private hospitals and nursing homes

Alwyn Rehabilitation Private Hospital

Cardinal Freeman Village
Delmar Private Hospital
Dudley Orange Private Hospital
Gowrie Village
Hirondelle Private Hospital
John Paul Village
Lady Davidson Hospital
Metropolitan Rehabilitation Hospital
Montefiore Jewish Home
Mt Wilga Private Hospital
North Gosford Private Hospital
North Shore Private Hospital
St Mary's Villa
Sydney Adventist Hospital
Tamara Private Hospital
The Hills Private Hospital
Toronto Private Hospital
Wesley Gardens Aged Care Centre
Westmead Private Hospital
Wolper Jewish Hospital

Commonwealth government departments and agencies

ADHOC (Aging Disability and Homecare Service)
DADHC - Parramatta
DADHC - Penrith
Commonwealth Rehabilitation Service - Australia
Balmoral Naval Hospital (HMAS Penguin)
1st Health Support Battalion (1 HSB)
No 3 RAAF Base Hospital, Richmond

State government department and agencies

Leichhardt Disability Service

Community agencies and private organisations

Anglican Retirement Villages (MOWLL)
Beverley Park School
Camperdown Community AC AT
Child and Family Health - NRAHS
Community Aged Care Services
Community Outreach and Therapy Team (CCHS)
Croydon Community Health Centre
Multiple Sclerosis Society of NSW, Lidcombe
Royal Institute for Deaf and Blind Children - The Alice Betteridge School
Spastic Centre of NSW

Private Practices

Active Body Physiotherapy and Rehabilitation
AMCL Liverpool
Bathurst Physiotherapy & Sports Injuries Centre
Baulkham Hills Sport Injury & Physiotherapy Centre
Beecroft Physiotherapy
Bella Vista Physiotherapy Centre
Belmore Physiotherapy and Sports Injuries Centre
Berkeley Vale Physiotherapy and Rehabilitation
Blacktown Physiotherapy & Sports Rehabilitation Centre
Bondi Physiotherapy & Sports Injury Centre
Brian and Middlemiss Physiotherapy
Carlingford Physiotherapy Centre
CBD Physiotherapy Clinic
Central West Orthopaedics & Sports Physiotherapy
Cherrybrook Village Physiotherapy
Cooma Physiotherapy Centre
Devonport Physiotherapy
Fairy Meadow Physiotherapy Centre
Fit for Work - Australia
Five Dock Physio and Sports Injury Centre
Get Active Physiotherapy
Griffith Physiotherapy & Sports Injury Centre
Hawkesbury Manipulative Sports Physiotherapy Centre
Hills Street Occupational Rehabilitation Service
Hills Street Sports Medicine & Rehabilitation Centre
Hunter Street Physiotherapy
Lane Cove Physiotherapy Centre
Leeton Physiotherapy Centre
LifeCare Bankstown Physiotherapy & Sports Injury Clinic
Linda Chee Physiotherapy & Pilates Studio
Lindsay Trigar Physiotherapy

Liverpool Physiotherapy & Sports Injury Centre
 Macarthur Physiotherapy & Sports Injury Centre
 Mary St Sports Physiotherapy & Rehabilitation Centre
 Mountain Mobile Physiotherapy Service
 Mudgee Physiotherapy and Sports Injury Centre
 Narellan Physiotherapy Sports Injury Centre
 Narrabeen Sports Medicine Centre
 Narrabri Physiotherapy
 Nepean Manipulative Physiotherapy & Hydrotherapy
 Neutral Bay Physiotherapy and Rehabilitation Centre
 No Payne Physiotherapy, North Eastern Soldiers Memorial Hospital
 North Shore Physiotherapy Centre
 North Sydney Orthopaedic Sports Medicine Centre
 Northern Districts Physiotherapy
 Norwest Central Physiotherapy & Sports Clinic
 On the Move Physiotherapy Services
 O'Neill & Pross Pty Ltd
 Pennant Hills Physiotherapy Centre
 Penrith Physiotherapy Sports Centre
 PhysioWISE - Marsfield, Oatlands
 Pittwater Manipulative Physiotherapy & Sports Injuries Centre
 PPS Physiotherapy
 P M Hunn and Associates
 Ramsay Professional Services - Coffs Harbour
 Rehab One Physiotherapy Pty Ltd
 Rusden Street Physiotherapy
 South Dubbo Orthopaedic & Physiotherapy Centre
 South Sydney Orthopaedic & Sports Medicine Centre
 Southern Sports & Physiotherapy - Engadine
 Southern Sports & Physiotherapy - Helensburgh
 SportsFizz Physiotherapy - Sports Injury Centre
 Sports Medicine Mingara
 Sports Physio - West
 Sports, Spinal and Rehab Solutions
 St George Physiotherapy & Sports Injury Clinic
 Stadium Physiotherapy
 Stanmore Physio & Sports Clinic
 Strathfield Private Hospital
 Sutherland Sports Injury Clinic
 Sydney Sports Medicine Centre
 SydneyWest Physiotherapy
 Tamworth Proactive Physiotherapy
 The Sports Medicine Centre, ACT
 Toormina Physiotherapy & Sports Injury
 Warby St Physiotherapy, Hydrotherapy & Spinal Injuries Centre

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 field experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) courses.

Hospitals

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, Manunda Qld
 Public Health Unit, Tamworth QLD
 Illawarra Medical Health (Children's Development Centre), NSW
 Aboriginal Health, Queensland Government Health Mount Isa, QLD
 Aboriginal Medical Health Centre Condobolin, NSW

33. Facilities and services

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

See also the chapter of General University Information for support services providing by the University.

ATMs

- Unicom Credit Union Rediteller located in F block

The Campus Bookstore

The Campus Bookstore opened in January 2005 under the management of Cumberland Student Guild (CSG). Following the total refurbishment of the retail and bookstore space, The Campus Bookstore is the location on campus to purchase all course requirements including text books, notes and compulsory clinical placement uniforms along with a variety of confectionary, beverages, stationery and memorabilia items.

Childcare: Ngallia Early Learning Centre

The centre's philosophy is to provide quality child care that is appropriate to the needs of children, parents or others responsible for each child. It actively promotes the education of the children in care. This is achieved by working in partnership with families or others responsible, as the child's main educators, and by extending their experiences, skills and knowledge. Ngallia respects the privacy of parents, children and staff.

Cumberland Campus
Gate 1 East Street
Lidcombe

NSW 2141 Australia

Phone: +61 2 9749 7575 (1pm to 3pm)

Website: http://www.usyd.edu.au/stuserv/welfare/child_care/centres.shtml#ngallia (http://www.usyd.edu.au/stuserv/welfare/child_care/centres.shtml#ngallia)

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. Information regarding CSG's services is available from any of our outlets, including Bite Me, JDV Food Court, The Nook, Dragonfly, Filling Station, Rejuiced, The Campus Bookstore, CSG Sports Centre, 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 objectives of CSG are to:

- serve and represent the needs of members
- further the interests and needs of its members
- provide social, cultural and recreational facilities for members
- encourage participation in and increase understanding of matters affecting the interests of members
- afford a recognised means of communication between members
- encourage evaluation and exchange of ideas in all fields of health between members, and
- do all other lawful things as are incidental or conducive to attain the objectives

CSG's brand new website <http://www.csg.org.au/home/default.asp> (<http://www.csg.org.au/home/default.asp>) provides its members with benefits and services previously unavailable at CSG. Our new service enables students to become better informed and better involved in campus life.

Contacting the Cumberland Student Guild (CSG)

Phone: +61 2 9351 9970

Fax: +61 2 9351 9971

Email: contact@csg.org.au

Afai7:POBox170

Lidcombe NSW 1825

Australia

On Campus Address:

CSG Administration

Level 3, Building U

Gate 1, Faculty of Health Sciences

The University of Sydney

East Street

Lidcombe NSW 2141

Australia

Facilities Management Office

After Hours Security Bus Services

A free shuttle bus service to Lidcombe Station is provided between 6:30pm and 9:00pm, Monday to Friday during teaching weeks, StuVac and Examinations weeks. The bus leaves from the bus stop located near Gate 2 entry.

Lost property

Property found on campus should be taken to Facilities Management Office. 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.

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 Facilities Management Office on +61 2 9351 9231. Those requiring access to parking spaces for people with disabilities are asked to contact Student Services on +612 93519638.

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 +61 2 9351 9970 or sport@csg.org.au. Bookings for the oval must be made with the Facilities Management Office.

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 +61 2 9988 0079.

The Faculty's Alumni include all its graduates, ex-staff, and ex-students. Alumni are kept in touch through the Faculty

website (<http://www.fhs.usyd.edu.au/alumni/index.shtml>) or email faculty.office@fhs.usyd.edu.au.

All alumni are able to become life members of the Graduate Association on payment of a once-only fee of \$50. Members can:

- attend meetings of and help develop the activities of your own Graduates Association
- borrow from the Health Sciences Library on Cumberland Campus (free on the first year of membership)
- get help if you would like to organise a reunion, or other alumni function
- use the Cumberland Campus sporting facilities by arrangement with the Cumberland Student Guild
- be eligible for the grant for postgraduate study
- make your voice heard on issues affecting the Faculty

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: +61 2 9988 0079

Graduate Association Grant enquiries: +61 2 9351 9637

Health Sciences Library

The University of Sydney maintains a library on Cumberland Campus 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 Branch Library is located centrally on campus, in R block, and is accessible to users with physical disabilities.

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.

Off-campus students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk +61 2 9351 9437

Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk +61 2 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 webpage (<http://www.library.usyd.edu.au/libraries/healthsciences/>).

A detailed list of the various databases available can be found online (<http://www.library.usyd.edu.au/Databases/>).

Official notice boards

Official notices 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

Student accommodation

Auburn Health Services Accommodation Block

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.

Phone: +61 2 9563 9500/9542

Fax: +61 2 9563 9520/9666

Email: cheryl_menzies@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.

Phone: +61 2 9351 9970

Email: contact@csq.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 +612 93519405.

Student Services Cumberland Campus

The University provides personal, welfare, administrative and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and we can assist you in managing and handling these more effectively. For details of services and online resources provided see your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv/welfare/index.shtml>).

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.

Counselling Services on Cumberland Campus

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. Counselling is free and confidential. The service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. The service runs a program of workshops during each semester. For details of workshops, activities and online resources provided by the service see the Counselling Service website via the My Uni student portal or the Services for students website (<http://www.usyd.edu.au/stuserv/welfare/index.shtml>).

Ground Floor, A Block, Cumberland Campus, C42

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: C_S_Cumberland@fhs.usyd.edu.au

Web site: <http://www.usyd.edu.au/stuserv/welfare/counselling/index.shtml> (<http://www.usyd.edu.au/stuserv/welfare/counselling/index.shtml>)

Disability Services on Cumberland Campus

Disability Services is the principal point of contact for 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 their areas of study. Assistance available includes the provision of note taking, interpreters and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.

For details on registering with the service and online resources see the Disability Services website via your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv/welfare/index.shtml>).

Ground Floor, A Block, Cumberland Campus, C42

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: DS_Cumberland@fhs.usyd.edu.au

Website: <http://www.usyd.edu.au/stuserv/welfare/disability/index.shtml> (<http://www.usyd.edu.au/stuserv/welfare/disability/index.shtml>)

International Student Support Unit

The International Student Support Unit assists international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in a unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable.

For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv/welfare/index.shtml>).

International students also have access to all University student support services.

Ground Floor, A Block, Cumberland Campus, C42

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: ISSU_Cumberland@fhs.usyd.edu.au

Website: <http://www.usyd.edu.au/stuserv/welfare/issu/index.shtml> (<http://www.usyd.edu.au/stuserv/welfare/issu/index.shtml>)

Learning Centre

The Learning Centre Cumberland Campus helps students develop the generic learning and communication skills that are necessary for university study and beyond. The Centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies.

During orientation week the Learning Centre Cumberland Campus runs Academic Skills Day, a one-day program for students wishing to develop their academic skills. Preparatory courses are offered prior to the start of each semester to international students who have accepted a place in the Faculty. Regular workshops, seminars and one-to-one tutorials on academic, clinical and professional communication skills are available. The Centre's Learning Advisers are trained in cross-cultural communication and teaching English as a second language.

The Learning Centre Camperdown/Darlington campuses offers 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, computer-based learning resources, publications of learning resources and library facilities.

For details of programs, activities and online resources provided by the Centre see the website via your MyUni student portal or the Student Services website (<http://www.usyd.edu.au/stuserv/welfare/index.shtml>).

Cumberland Campus

Ground Floor, A Block, Cumberland Campus, C42

The University of Sydney

East Street

Lidcombe NSW 2141

Australia

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: LC_Cumberland@fhs.usyd.edu.au

Website: http://www.fhs.usyd.edu.au/current_students/stud_serv.shtml (http://www.fhs.usyd.edu.au/current_students/stud_serv.shtml)

Camperdown and Darlington Campuses

Level 7, Education Building, A35

The University of Sydney

Phone: +61 2 9351 3853

Fax: +61 2 9351 4865

Email: lc@stuserv.usyd.edu.au

Website: http://www.usyd.edu.au/stuserv/academic_support/index.shtml#learning (http://www.usyd.edu.au/stuserv/academic_support/index.shtml#learning)

Study preparation for international students

A full-time Study Preparation Program is offered to newly enrolled international students prior to the start of lectures each semester, to prepare them for academic study in an Australian health sciences context.

34. Senate and Faculty Resolutions

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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 (as amended), 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 Exercise and Sport Science (MExSpSci)
- (h) Master of Health Information Management (MHIM)
- (i) Master of Health Science (MHlthSc)
- (j) Master of Occupational Therapy (MOT)
- (k) Master of Orthoptics (MOrth)
- (l) Master of Physiotherapy (MPhty)
- (m) Master of Rehabilitation Counselling (MRehabCng)
- (n) Master of Speech Language Pathology (MSLP)*
- (o) Doctor of Philosophy (PhD)
- (p) Doctor of Health Science (HScD).

* May be awarded in the grade of Pass degree or Honours degree. There shall be one level of Honours.

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 (GradDipRehabCng)
- (d) Graduate Diploma in Communication Disorders (GradDipCommDis)
- (e) 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.

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) Augmentative and Alternative Communication
- (ii) Behavioural Science
- (iii) Cardiopulmonary Physiotherapy
- (iv) Child and Adolescent Health
- (v) Clinical Data Management
- (vi) Developmental Disability
- (vii) Education
- (viii) Exercise and Sport Science (no commencing student)
- (ix) Gerontology
- (x) Health Informatics
- (xi) Indigenous Community Health
- (xii) Management
- (xiii) Manipulative Physiotherapy
- (xiv) Medical Radiations Sciences
- (xv) Medical Sonography
- (xvi) Neurological Physiotherapy
- (xvii) Occupational Therapy
- (xviii) Paediatric Physiotherapy
- (xix) Physiotherapy
- (xx) Sexual Health
- (xxi) Speech-Language Pathology
- (xxii) Sports Physiotherapy

*There shall be one level of Honours.

- (3) The combined degree of Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)
- (4) Master of Health Information Management
- (5) Master of Occupational Therapy
- (6) Master of Orthoptics
- (7) Master of Physiotherapy
- (8) Master of Rehabilitation Counselling
- (9) Master of Speech Language Pathology*
- (10) Master of Communication Disorders (by research only)
- (11) Master of Exercise and Sport Science
- (a) Streams

The degree Master of Exercise and Sport Science will be awarded in the following specialisation:

- (i) Master of Exercise and Sport Science (Clinical Exercise Science)
- (ii) Master of Exercise and Sport Science (Sports Performance)

* May be awarded in the grade of Pass degree or Honours degree. There shall be one level of Honours.

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 12 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 Exercise and Sport Science, Master of Physiotherapy, Master of Occupational Therapy, Master of Orthoptics, and Master of Speech Language Pathology where the minimum period of candidature is four semesters and the maximum period of candidature is eight semesters;
 - (c) 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) 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 Unit.
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 and Coursework 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 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 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 accordance with University Policy, the Dean will also 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 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 16th 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.

Graduate diplomas and graduate certificates

Subject areas

1.(1) The Graduate Diploma of Health Science may be taken in the following subject areas:

- (i) Augmentative and Alternative Communication
- (ii) Behavioural Science
- (iii) Child and Adolescent Health
- (iv) Education
- (v) Exercise and Sport Science
- (vi) Gerontology
- (vii) Health Information Management*
- (viii) Indigenous Community Health
- (ix) Manipulative Physiotherapy *
- (x) Medical Radiation Sciences
- (xi) Medical Sonography
- (xii) Physiotherapy*
- (xiii) Sexual Health
- (xiv) Sports Physiotherapy *
- (xv) Vision Impairment

* No commencing students

(2) A Graduate Diploma may be taken in the following subject areas:

- (i) Rehabilitation Counselling
- (ii) Communications Disorders

(3) The Graduate Certificate of Health Science may be taken in the following areas:

- (i) Augmentative and Alternative Communication
- (ii) Behavioural Science
- (iii) Casemix
- (iv) Child and Adolescent Health
- (v) Clinical Data Management
- (vi) Developmental Disability
- (vii) Education
- (viii) Exercise and Sport Science
- (ix) Indigenous Community Health
- (x) Medical Radiation Sciences

- (xi) Medical Sonography
- (xii) Occupational Therapy
- (xiii) Physiotherapy (no commencing students)
- (xiv) Sexual Health
- (xv) 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.

Bachelor of Applied Science

The following Resolutions of the Senate relating to the degree of Bachelor of Applied Science are adopted from 1 January 2006.

Bachelor of Applied Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

2. Requirements for the degree

To qualify for the award of the degree students must:

- (1) complete successfully units of study giving credit for the total of credit points for the pass degree or the honours degree set out in section 3; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and the relevant Faculty Resolutions.

3. Programs of study

The degree of Bachelor of Applied Science may be awarded in:

Program of study	Pass degree	Credit points	Honours degree	Credit points
Exercise and Sport Science	144		192	
Exercise, Sport Science and Nutrition	192		240	
Health Information Management	192		192	
Leisure and Health	144		192	
Medical Radiation Sciences	144		192	
Occupational Therapy	192		192	
Orthoptics	192		192	
Physiotherapy	192		192	
Speech Pathology	192		192	

The degree of Bachelor of Applied Science may be awarded in the combined degree -

Program of study	Pass degree	Credit points	Honours degree	Credit points
Exercise and Sport Science and Bachelor of Science (Nutrition)	240		240	

4. Requirements for the honours degree

To qualify for the award of the honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing (graduate entry)

The Resolutions of the Senate relating to the Faculty of Nursing and Midwifery are amended from 1 January 2006 to insert the following new resolutions:

Program of study	Pass degree	Credit points	Honours degree	Credit points
Exercise and Sport Science/Master of Nursing (graduate entry)	192		na	

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Faculty Resolutions.

2. Requirements for the Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing (graduate entry)

To qualify for the award of the Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing a student must:

- (1) complete successfully units of study giving credit for a total of 192 credit points; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and the Faculty.

Bachelor of Health Science

The following Resolutions of the Senate relating to the degree of Bachelor of Health Science are adopted from 1 January 2006.

Bachelor of Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

2. Requirements for the degree

To qualify for the award of the degree students must:

- (1) complete successfully units of study giving credit for the total of credit points for the pass degree or the honours degree set out in section 3; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Programs of study

The degree of Bachelor of Health Science may be awarded in:

Program of study	Pass degree	Credit points	Honours degree	Credit points
<i>Full programs</i>				
Aboriginal Health and Community Development	192		192	
Hearing and Speech	144		192	
Rehabilitation Counselling	192		192	
<i>Off-shore (Singapore-based) Conversion programs</i>				
Medical Radiation Sciences	24		N/A	
Nursing	48		N/A	
Physiotherapy	24		N/A	
Occupational Therapy	24		N/A	
<i>On-shore (Sydney-based) Conversion programs</i>				
Medical Radiation Sciences	48		N/A	
Physiotherapy	30		N/A	
Occupational Therapy	24		N/A	

4. Requirements for the honours degree

To qualify for the award of the honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Behavioural Health Science

The following Resolutions of the Senate relating to the degree of Bachelor of Behavioural Health Science are adopted from 1 January 2006.

Bachelor of Behavioural Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

2. Requirements for the degree

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.

3. Majors

The degree of Bachelor of Behavioural Health Science may be awarded in Health Psychology or Health Sociology.

Bachelor of Behavioural Health Science/Master of Nursing (graduate entry)

The Resolutions of the Senate relating to the Master of Nursing (graduate entry) in the Faculty of Nursing and Midwifery are to be inserted, with effect from 1 January 2006, as follows:

The degree of Bachelor of Behavioural Health Science may be awarded in the combined degree:

Program of study	Pass degree	Credit points	Honours degree	Credit points
Bachelor of Behavioural Health Science/Master of Nursing (graduate entry)	192		na	

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Faculty Resolutions.

2. Requirements for the Bachelor of Behavioural Health Science/Master of Nursing (graduate entry)

To qualify for the award of the Bachelor of Behavioural Health Science/Master of Nursing (graduate entry) a student must:

- (1) complete successfully units of study giving credit for a total of 192 credit points; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the honours degree

To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the combined award course. Honours will be awarded in either award course covered by the resolutions.

Bachelor of Health Sciences

The following Resolutions of the Senate relating to the degree of Bachelor of Health Sciences are adopted from 1 January 2002.

Bachelor of Health Sciences

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

2. Requirements for the degree

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 and the Faculty.

3. Requirements for the honours degree

To qualify for the award of the honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Bachelor of Health Sciences/Master of Nursing (graduate entry)

The Resolutions of the Senate relating to the Master of Nursing (graduate entry) in the Faculty of Nursing and Midwifery are to be inserted, with effect from 1 January 2006, as follows:

The degree of Bachelor of Health Sciences may be awarded in the combined degree:

Program of study	Pass degree	Credit points	Honours degree	Credit points
Bachelor of Health Sciences/Master of Nursing (graduate entry)	192		na	

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Faculty Resolutions.

2. Requirements for the Bachelor of Health Sciences/Master of Nursing (graduate entry)

To qualify for the award of the Bachelor of Health Sciences/Master of Nursing (graduate entry) a student must:

- (1) complete successfully units of study giving credit for a total of 192 credit points; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Requirements for the honours degree

To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the combined award course. Honours will be awarded in either award course covered by the resolutions.

Diploma of Health Science

The following Resolutions of the Senate relating to the degree of Diploma of Health Science are adopted from 1 January 2006.

Diploma of Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

2. Requirements for the Diploma

To qualify for the award of the diploma students must complete successfully units of study giving credit for 96 credit points, and satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

3. Programs of study

The Diploma of Health Science may be awarded in Aboriginal Health and Community Development.

Resolutions of the Faculty

Degree of Bachelor of Applied Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Requirements for the degree

- (1) A student who is a candidate for the Pass degree is to complete all core, elective and general elective units of study shown in the Table of units of study for the pass degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the School concerned.
- (2) A student who is a candidate for the honours degree is to:
 - (a) meet the requirements prescribed by the School concerned for admission to the honours program; and
 - (b) complete all core, elective and general elective units of study shown in the Table of units of study for the honours degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the School concerned.
- (3) Units of study may specify assumed knowledge or prerequisite or co-requisite units of study. The Head of the relevant School may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.
- (4) (a) A student may proceed concurrently to the degrees of Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition).
 - (b) 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 10.2 of the Faculty of Health Sciences Handbook including:
 - (i) at least 138 credit points from Science subject areas;
 - (ii) at least 12 credit points from the Science subject areas of Mathematics and Statistics;
 - (iii) an honours year in Nutrition or Nutrition and Dietetics;
 - (iv) at least 102 credit points of units of study in Exercise and Sport Science listed in Table 10.1 of the Faculty Resolutions for the degree of BAppSc(Exercise and Sport Science) in the Faculty of Health Sciences.
 - (c) 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:
 - (i) 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
 - (ii) 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.
 - (d) 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.
 - (e) 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.
 - (f) 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.
- (5) (a) 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.
 - (b) The words "to complete a unit of study" and derivative expressions mean:
 - (i) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and

- (ii) to obtain a passing grade for that unit of study in accordance with the assessment criteria prescribed by the Faculty or the school concerned,
- (c) 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.
- (6) 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.
- (7) (a) 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.
 (b) 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.
- (8) 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.
- (9) 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.
- (10) 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 relevant entry for the degree in the Faculty of Health Sciences Handbook.

3. Enrolment restrictions

Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing (graduate entry)

The Resolutions of the Faculty of Nursing and Midwifery are amended from 1 January 2006 to insert the following new resolutions:

Section 1

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended) which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Admission

- (1) Applicants for admission as candidates for the combined Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing shall:
 - (a) be eligible for admittance to the Bachelor of Applied Science (Exercise and Sport Science), University of Sydney;
 - (b) meet minimum standards, as specified by the Faculty of Nursing and Midwifery, of:
 - (i) written and verbal English language competence and interpersonal communication;
 - (ii) numeracy;
 - (c) not hold a bachelor qualification approved for the purposes of meeting the requirements to register, or be registered as a nurse in New South Wales.
- (2) Candidates who do not meet the above criteria may be admitted by the Dean of Nursing and Midwifery.
- (3) Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.
- (4) Mature-age applicants will be assessed on criteria determined by the Faculty of Nursing and Midwifery.

3. Units of study

- (1) The units of study, which may be taken for the degree, are set out in the table of postgraduate units of study in the Faculty of Nursing and Midwifery Handbook.

4. Requirements for the Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing

- (1) To qualify for the award of the degree of combined Bachelor of Applied Science (Exercise and Sport Science)/Master of Nursing, a candidate shall complete successfully:
 - (a) a minimum of 192 credit points including:
 - (i) 144 credit points from the Bachelor of Applied Science (Exercise and Sport Science) including:
 - (a) 96 credit points of units in the Bachelor of Applied Science (Exercise and Sport Science) as prescribed in the attached table; and
 - (b) 48 credit points from the Master of Nursing in the manner prescribed in the attached table;
 - (ii) 48 credit points from the Faculty of Nursing and Midwifery, in addition to those prescribed in (1)(a)(i)(b) above, for the Master of Nursing as set out in the handbook.
 - (iii) meet all requirements for the Bachelor of Applied Science (Exercise and Sport Science) and the Master of Nursing as specified in the tables of units for those degrees.
 - (iv) complete a minimum of 6 credit points in a human biology subject approved by the Faculty of Nursing and Midwifery;
 - (b) may not enrol in any unit of study that is substantially the same as one they have already passed
 - (c) may not commence Master of Nursing units of study without satisfactorily completing Year 1 units of study in the Bachelor of Applied Science (Exercise and Sport Science) with a grade point average of credit or better, with due regard to any exceptional circumstances, in which case their progression must be approved by the Dean or their nominee;
 - (d) may not enrol in Year 4 Master of Nursing units of study until they have completed the requirements for the Bachelor of Applied Science (Exercise and Sport Science).
 - (e) will be under the general supervision of the Faculty of Nursing and Midwifery. General supervision covers all areas of policy and procedures affecting candidates such as combined course rules and enrolment procedures.
 - (f) will receive separate testamurs for both the Bachelor of Applied Science (Exercise and Sport Science) and the Master of Nursing in accordance with appropriate rules governing those degrees.
 - (g) will satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;
 - (h) will, where appropriate, undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in (4)(1)(a) as required by the Faculty of Nursing and Midwifery.
- (2) The requirements of the award must be completed within a maximum of six calendar years for full-time students or seven calendar years for part-time students, pro-rata for those students who change their pattern of study between full and part-time.
- (3) Candidates who abandon the combined course and:
 - (a) who do not hold a bachelor degree, may elect to complete the Bachelor Applied Science (Exercise & Sport Science) degree in accordance with appropriate rules governing those degrees and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Nursing towards the requirements for the Bachelor of Applied Science (Exercise and Sport Science); or
 - (b) hold a bachelor degree, may elect to complete either degree in accordance with the resolutions governing those degrees and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Nursing as satisfactorily completing requirements for the Bachelor of Applied Science (Exercise and Sport Science).
- (4) The Deans of the Faculties of Nursing and Midwifery and Health Sciences shall jointly exercise authority in any matter concerning this combined degree course not otherwise dealt with in these resolutions

- (5) Students are required to attend clinical placements and laboratory sessions as prescribed by the Faculty of Nursing and Midwifery.
- (6) A candidate who is deemed to be unsatisfactory at any time during a clinical placement may have that placement terminated, be failed in that unit of study and may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
 - (a) require the candidate to undertake units of study or clinical practice in addition to the minimum credit point value for the degree set down in (4)(1)(a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.
- (7) A candidate whose behaviour, performance or character may be considered to be incompatible with the safe and professional practice of nurses and midwives, or commits any serious breach of the ethical standards required for the professional practice of nursing, or is convicted of an indictable offence, may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
 - (a) require the candidate to undertake units of study or clinical practice or other requirements in addition to the minimum credit point value for the degree set down in (1) (a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.

5. Requirements for honours degrees

- (1) Honours will be awarded in accordance with the resolutions for the degree to which the award is to be applied.

Section 2

6. Details of units of study

- (1) The units of study, which may be taken for the degree, are set out in the table of postgraduate units of study in the Faculty of Nursing and Midwifery Handbook.

7. Enrolment in more/less than the minimum load

- (1) Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
- (2) Candidates who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

8. Cross Institutional study

- (1) Credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.

9. Restrictions on enrolment

- (1) In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
- (2) The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
- (3) The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete clinical and field experience required for the course.

10. Discontinuation of enrolment

- (1) A student who has discontinued candidature or whose candidature is deemed to have lapsed must apply for re-admission in accordance with the current procedures for new applicants to the degree.

11. Suspension of enrolment

- (1) Suspension of candidature is only applicable in cases of hardship or activities on the part of the student that are of national or state importance/are of a significant nature.
- (2) Examples of hardship may be illness or financial difficulties. Activities of a significant nature may be the inclusion of the student on a national sporting team, orchestra, etc that requires him/her to travel extensively for a specific period of time.

- (3) The granting of a suspension of candidature is at the discretion of the Dean.
- (4) Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once during the degree.
- (5) In cases where a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-enrolment after an absence.

12. Re-enrolment after an absence

- (1) There is no automatic right of re-entry. Students who wish to be considered for re-enrolment need to fulfil the following conditions:
 - (a) lodge an application by October 30 in the year prior to that in which re-enrolment is sought;
 - (b) attach a current academic transcript (progress status is contingent upon an absence of not more than two years from the course); and
 - (c) ensure that outstanding debts with the University and/or show cause requirements are attended to before submission of the application (applications cannot be considered until financial obligations and show cause requirements are completed).
- (2) Applications will be considered in conjunction with all other applications by students applying under these conditions prior to the commencement of the academic year in which the student wishes to enrol.

13. Satisfactory Progress

- (1) The Board of Studies shall have the power to resolve on satisfactory progress and progression in individual cases.
- (2) A Concessional Pass (PCON) may be considered for no more than one unit of study in the final year of enrolment and will not apply to any nursing practice unit or to any previously failed unit.
- (3) Candidates who fail:
 - (a) up to 6 credit points of the units of study in which they are enrolled in any one semester may progress to a normal full-time load in the subsequent semester. Any failed unit of study must be taken in the following year;
 - (b) between 12 and 24 credit points of the units of study in which they are enrolled in any year may only progress to a normal full-time load in the subsequent year. This must include the units of study in which they failed previously; or
 - (c) more than 24 credit points of the credit point load undertaken during a year, or who fail to meet the requirements of a practicum unit, or who discontinue fail enrolment in one unit of study twice shall be deemed not to have made satisfactory progress. They shall be required to show good cause as to why they should be permitted to re-enrol in the course.
- (d) under clause 13.3 (a), (b) or (c) and are enrolled in a combined degree will not be permitted to undertake Year 4 units of study until such time as they have completed their undergraduate degree.
- (4) The Faculty reserves the right to require students who are asked to show cause to enrol in and successfully complete units of study in addition to the minimum number of credit points required to complete the degree.
- (5) The Faculty reserves the right to require students who are asked to show cause and who fail to demonstrate the minimum level of spoken or written English required by the Faculty to provide documentation to show they have an IELTS (or equivalent) score of 7.0 overall and 7.0 in each band.

14. Time limit

- (1) A candidate for the degree may proceed on either a full-time or part-time basis.
 - (a) A full-time candidate shall complete the requirements for the combined degree no later than at the end of the twelfth semester of candidature.
 - (b) A part-time candidate shall complete the requirements for the degree no later than at the end of the fourteenth semester of candidature.
 - (c) All candidates must complete the requirements for the degree within seven calendar years of first enrolment.

15. Assessment Policy

- (1) Assessment will be carried out in accordance with the University of Sydney (Coursework) Rule 2000 (as amended) and the general Resolutions of the Faculty of Nursing and Midwifery.

16. Credit Transfer Policy

- (1) Credit granted on the basis of work completed or prior learning in another course at this University or at another university may not exceed 24 credit points.
- (2) Credit granted on the basis of work completed at an institution other than a university may not exceed 18 credit points.
- (3) Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

17. Transitional arrangements

No transitional arrangements are required.

Degree of Bachelor of Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Admission

A person seeking admission to the degree is to satisfy the admission requirements for the program of study in which he or she wishes to enrol, as set out in the relevant entry for the degree in the Faculty of Health Sciences Handbook.

3. Requirements for the degree

- (1) A student who is a candidate for the pass degree is to complete all core, elective and general elective units of study shown in the Table of units of study for the pass degree in the program of study in which he or she has enrolled, as set out in the chapter of the Faculty of Health Sciences Handbook for the School concerned.
- (2) A student who is a candidate for the Honours degree is to:
 - (a) meet the requirements prescribed by the School concerned for admission to the honours program; and
 - (b) complete all core, elective and general elective units of study shown in the Table of Units of Study for the Honours degree in the program of study in which he or she has enrolled, as set out in the relevant entry for the degree in the Faculty of Health Sciences Handbook.
- (3) Units of study may specify assumed knowledge or prerequisite or co-requisite units of study. The Head of the relevant School may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

4. Enrolment restrictions

Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 30 credit points in any one semester.

Degree of Bachelor of Behavioural Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Requirements for the degree

- (1) A student who is a candidate for the pass degree is to complete all core, elective and general elective units of study shown in the Table of units of study for the pass degree, as set out in the chapter of the Faculty of Health Sciences Handbook for the School concerned.
- (2) A student who is a candidate for the Honours degree is to:
 - (a) meet the requirements prescribed by the School of Behavioural and Community Health Sciences for admission to the honours program; and
 - (b) complete all core, elective and general elective units of study shown in the Table of units of study for the honours

degree, as set out in the entry for the degree in the Faculty of Health Sciences Handbook.

- (3) Units of study may specify assumed knowledge or prerequisite or corequisite units of study. The Head of the relevant School may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Enrolment restrictions

Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 28 credit points in any one semester.

Bachelor of Behavioural Health Science/Master of Nursing (graduate entry)

Section 1

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended) which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Admission

- (1) Applicants for admission as candidates for the combined Bachelor of Behavioural Health Science/Master of Nursing (graduate entry) shall:
 - (a) be eligible for admittance to the Bachelor of Behavioural Health Science, University of Sydney;
 - (b) meet minimum standards, as specified by the Faculty of Nursing and Midwifery, of:
 - (i) written and verbal English language competence and interpersonal communication;
 - (ii) numeracy;
 - (c) have completed the equivalent of a 6 credit point unit in a biology subject approved by the Faculty of Nursing and Midwifery for this purpose; and
 - (d) have completed relevant studies in the humanities and social sciences as approved by the Faculty of Nursing and Midwifery; and
 - (e) not hold a bachelor qualification approved for the purposes of meeting the requirements to register, or be registered as a nurse in New South Wales.
- (2) Candidates who do not meet the above criteria may be admitted by the Dean of Nursing and Midwifery.
- (3) Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.
- (4) Mature-age applicants will be assessed on criteria determined by the Faculty of Nursing and Midwifery.

3. Units of study

- (1) The units of study, which may be taken for the degree, are set out in the table of postgraduate units of study in the Faculty of Nursing and Midwifery Handbook.

4. Requirements for the Bachelor of Behavioural Health Science/Master of Nursing (graduate entry)

- (1) To qualify for the award of the degree of combined Bachelor of Behavioural Health Science/Master of Nursing (graduate entry), a candidate shall complete successfully:
 - (a) a minimum of 192 credit points including:
 - (i) 96 credit points for the Bachelor of Behavioural Health Science; and
 - (ii) 96 credit points for the Master of Nursing (graduate entry);
 - (iii) providing that all requirements are met for the Bachelor of Behavioural Health Science and the graduate entry Master of Nursing (graduate entry) as specified in the tables of units for those degree; and
 - (iv) a minimum of 6 credit points in a human biology subject approved by the Faculty of Nursing and Midwifery;
 - (b) may not enrol in any unit of study that is substantially the same as one they have already passed;
 - (c) may not commence Master of Nursing (graduate entry) units of study without satisfactorily completing Year 1 units of study in the Bachelor of Behavioural Health Science;

- (d) may not enrol in Year 4 Master of Nursing (graduate entry) units of study until they have completed the requirements for the Bachelor of Behavioural Health Science;
 - (e) will be under the general supervision of the Faculty of Nursing and Midwifery. General supervision covers all areas of policy and procedures affecting candidates such as combined course rules and enrolment procedures;
 - (f) receive separate testamurs for both the Bachelor of Behavioural Health Science and the Master of Nursing (graduate entry) in accordance with appropriate rules governing those degrees;
 - (g) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;
 - (h) where appropriate, the Faculty of Nursing and Midwifery reserves the right to require individual students to undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in (4)(1)(a).
- (2) The requirements of the award must be completed within a maximum of six calendar years for full-time students or seven calendar years for part-time students, pro-rata for those students who change their pattern of study between full and part-time.
- (3) Candidates who abandon the combined course and;
- (a) who do not hold a bachelor degree may elect to complete the Bachelor of Behavioural Health Science degree in accordance with appropriate rules governing the degree and the Faculty of Health Sciences will recognize up to 48 credit points completed in the Master of Nursing (graduate entry) as satisfactorily completing requirements for the Bachelor of Behavioural Health Science; or
 - (b) hold a bachelor degree may elect to complete either degree in accordance with the resolutions governing those degrees and the Faculty of Health Sciences will recognize up to 48 credit points completed in the Master of Nursing (graduate entry) as satisfactorily completing requirements for the Bachelor of Behavioural Health Science.
- (4) A candidate who is deemed to be unsatisfactory at any time during a clinical placement may have that placement terminated, be failed in that unit of study and may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
- (a) require the candidate to undertake units of study or clinical practice in addition to the minimum credit point value for the degree set down in (4)(1)(a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.
- (5) A candidate whose behaviour, performance or character may be considered to be incompatible with the safe and professional practice of nurses and midwives, or commits any serious breach of the ethical standards required for the professional practice of nursing, or is convicted of an indictable offence, may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
- (a) require the candidate to undertake units of study or clinical practice or other requirements in addition to the minimum credit point value for the degree set down in (4)(1)(a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.

5. Requirements for honours degrees

- (1) Honours will be awarded in accordance with the resolutions for the degree to which the award is to be applied.

Section 2

6. Enrolment in more/less than the minimum load

- (1) Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
- (2) Candidates who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

7. Cross-institutional study

- (1) Credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.

8. Restrictions on enrolment

- (1) In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
- (2) The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
- (3) The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete clinical and field experience required for the course.

9. Discontinuation of enrolment

- (1) A student who has discontinued candidature or whose candidature is deemed to have lapsed must apply for re-admission in accordance with the current procedures for new applicants to the degree.

10. Suspension of enrolment

- (1) Suspension of candidature is only applicable in cases of hardship or activities on the part of the student that are of national or state importance/are of a significant nature.
- (2) Examples of hardship may be illness or financial difficulties. Activities of a significant nature may be the inclusion of the student on a national sporting team, orchestra, etc that requires him/her to travel extensively for a specific period of time.
- (3) The granting of a suspension of candidature is at the discretion of the Dean.
- (4) Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once during the degree.
- (5) In cases where a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-enrolment after an absence.

11. Re-enrolment after an absence

- (1) There is no automatic right of re-entry. Students who wish to be considered for re-enrolment need to fulfil the following conditions:
 - (a) lodge an application by October 30 in the year prior to that in which re-enrolment is sought;
 - (b) attach a current academic transcript (progress status is contingent upon an absence of not more than two years from the course); and
 - (c) ensure that outstanding debts with the University and/or show cause requirements are attended to before submission of the application (applications cannot be considered until financial obligations and show cause requirements are completed).
- (2) Applications will be considered in conjunction with all other applications by students applying under these conditions prior to the commencement of the academic year in which the student wishes to enrol.

12. Satisfactory Progress

- (1) The Board of Studies shall have the power to resolve on satisfactory progress and progression in individual cases.
- (2) A Concessional Pass (PCON) may be considered for no more than one unit of study in the final year of enrolment and will not apply to any nursing practice unit or to any previously failed unit.
- (3) Candidates who fail:
 - (a) up to 6 credit points of the units of study in which they are enrolled in any one semester may progress to a normal full-time load in the subsequent semester. Any failed unit of study must be taken in the following year;
 - (b) between 12 and 24 credit points of the units of study in which they are enrolled in any year may only progress to a normal full-time load in the subsequent year. This must include the units of study in which they failed previously; or
 - (c) more than 24 credit points of the credit point load undertaken during a year, or who fail to meet the requirements of a practicum unit, or who discontinue fail enrolment in one unit of study twice shall be deemed not to have made satisfactory progress. They shall be required to show good cause as to why they should be permitted to re-enrol in the course.

- (d) under clause 13(3)(a), (b) or (c) and are enrolled in a combined degree will not be permitted to undertake Year 4 units of study until such time as they have completed their undergraduate degree.
- (4) The Faculty reserves the right to require students who are asked to show cause to enrol in and successfully complete units of study in addition to the minimum number of credit points required to complete the degree.
- (5) The Faculty reserves the right to require students who are asked to show cause and who fail to demonstrate the minimum level of spoken or written English required by the Faculty to provide documentation to show they have an IELTS (or equivalent) score of 7.0 overall and 7.0 in each band.

13. Time limit

- (1) A candidate for the degree may proceed on either a full-time or part-time basis.
- (a) A full-time candidate shall complete the requirements for the degree no later than at the end of the eighth semester of candidature.
- (b) A part-time candidate shall complete the requirements for the degree no later than at the end of the tenth semester of candidature.
- (c) All candidates must complete the requirements for the degree within five calendar years of first enrolment.

14. Assessment Policy

Assessment will be carried out in accordance with the University of Sydney (Coursework) Rule 2000 (as amended) and the general Resolutions of the Faculty of Nursing and Midwifery.

15. Credit Transfer Policy

- (1) Credit granted on the basis of work completed or prior learning in another course at this University or at another university may not exceed 24 credit points.
- (2) Credit granted on the basis of work completed at an institution other than a university may not exceed 18 credit points.
- (3) Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

Degree of Bachelor of Health Sciences

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Requirements for the Degree

- (1) A student who is a candidate for the Pass degree is to complete all core, elective and general elective units of study shown in the Table of units of study for the pass degree, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.
- (2) A student who is a candidate for the honours degree is to:
 - (a) meet the requirements prescribed by the School concerned for admission to the honours program; and
 - (b) complete all core, elective and general elective units of study shown in the Table of units of study for the honours degree, as set out in the chapter of the Faculty of Health Sciences Handbook relating to the degree.
- (3) Units of study may specify assumed knowledge or prerequisite or corequisite units of study. The Head of the relevant School may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Enrolment restrictions

Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 28 credit points in any one semester.

Bachelor of Health Sciences/Master of Nursing (graduate entry)

Section 1

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended) which sets out the

requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Admission

- (1) Applicants for admission as candidates for the combined Bachelor of Health Sciences/Master of Nursing (graduate entry) shall:
 - (a) be eligible for admittance to the Bachelor of Health Sciences, University of Sydney
 - (b) meet minimum standards, as specified by the Faculty of Nursing and Midwifery, of:
 - (i) written and verbal English language competence and interpersonal communication;
 - (ii) numeracy;
 - (c) have completed the equivalent of a 6 credit point unit in a biology subject approved by the Faculty of Nursing and Midwifery for this purpose; and
 - (d) have completed relevant studies in the humanities and social sciences as approved by the Faculty of Nursing and Midwifery; and
 - (e) not hold a bachelor qualification approved for the purposes of meeting the requirements to register, or be registered as a nurse in New South Wales.
- (2) Candidates who do not meet the above criteria may be admitted by the Dean of Nursing and Midwifery.
- (3) Applicants with qualifications gained in a country other than Australia, where the previous qualification was not taken in English, will be required to have a minimum IELTS of 7.0 with 7.0 in each band.
- (4) Mature-age applicants will be assessed on criteria determined by the Faculty of Nursing and Midwifery.

3. Units of study

- (1) The units of study, which may be taken for the degree, are set out in the table of postgraduate units of study in the Faculty of Nursing and Midwifery Handbook.

4. Requirements for the Bachelor of Health Sciences/Master of Nursing (graduate entry)

- (1) To qualify for the award of the degree of combined Bachelor of Health Sciences/Master of Nursing (graduate entry), a candidate shall complete successfully:
 - (a) a minimum of 192 credit points including:
 - (i) 96 credit points for the Bachelor of Health Sciences; and
 - (ii) 96 credit points for the Master of Nursing (graduate entry);
- providing that all requirements are met for the Bachelor of Health Sciences and the graduate entry Master of Nursing (graduate entry) as specified in the tables of units for those degree; and
- (iii) a minimum of 6 credit points in a human biology subject approved by the Faculty of Nursing and Midwifery;
- (b) may not enrol in any unit of study that is substantially the same as one they have already passed;
- (c) may not commence Master of Nursing (graduate entry) units of study without satisfactorily completing Year 1 units of study in the Bachelor of Health Sciences;
- (d) may not enrol in Year 4 Master of Nursing (graduate entry) units of study until they have completed the requirements for the Bachelor of Health Sciences.
- (e) will be under the general supervision of the Faculty of Nursing and Midwifery. General supervision covers all areas of policy and procedures affecting candidates such as combined course rules and enrolment procedures.
- (f) receive separate testamurs for both the Bachelor of Health Sciences and the Master of Nursing (graduate entry) in accordance with appropriate rules governing those degrees.
- (g) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University and Faculty;
- (h) where appropriate, the Faculty of Nursing and Midwifery reserves the right to require individual students to undertake further or remedial theoretical, clinical or practical study in addition to the minimum requirements set down in (4)(1)(a).
- (2) The requirements of the award must be completed within a maximum of six calendar years for full-time students or seven calendar years for part-time students, pro-rata for those stu-

dents who change their pattern of study between full and part-time.

- (3) Candidates who abandon the combined course and;
 - (a) who do not hold a bachelor degree, may elect to complete the Bachelor of Health Sciences degree in accordance with appropriate rules governing the degree and the Faculty of Health Sciences will recognise up to 48 credit points completed in the Master of Nursing (graduate entry) as satisfactorily completing requirements for the Bachelor of Health Sciences; or
 - (b) hold a bachelor degree, may elect to complete either degree in accordance with the resolutions governing those degrees and the Faculty of Health Sciences will recognize up to 48 credit points completed in the Master of Nursing (graduate entry) as satisfactorily completing requirements for the Bachelor of Health Sciences.
- (4) A candidate who is deemed to be unsatisfactory at any time during a clinical placement may have that placement terminated, be failed in that unit of study and may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
 - (a) require the candidate to undertake units of study or clinical practice in addition to the minimum credit point value for the degree set down in (4)(1)(a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.
- (5) A candidate whose behaviour, performance or character may be considered to be incompatible with the safe and professional practice of nurses and midwives, or commits any serious breach of the ethical standards required for the professional practice of nursing, or is convicted of an indictable offence, may be required to attend a Professional Standards Subcommittee hearing. The Subcommittee may;
 - (a) require the candidate to undertake units of study or clinical practice or other requirements in addition to the minimum credit point value for the degree set down in (4)(1)(a) above; and/or
 - (b) ask the candidate to show good cause as to why they should be allowed to continue the degree.

5. Requirements for honours degrees

- (1) Honours will be awarded in accordance with the resolutions for the degree to which the award is to be applied.

Section 2

6. Enrolment in more/less than the minimum load

- (1) Candidates who have a shown significant academic ability may, at the discretion of the Dean, be allowed to undertake more than the prescribed 24 credit points per semester.
- (2) Candidates who can demonstrate good reason as to why they should be allowed to undertake less than 12 credit points in any one semester may, at the discretion of the Dean, be permitted to do so.

7. Cross-institutional study

- (1) Credit granted on the basis of work completed at another university or institution as part of a program of cross-institutional study may not exceed 24 credit points.

8. Restrictions on enrolment

- (1) In considering an application for admission to candidature the Faculty will select in preference applicants who are most meritorious in terms of the admission criteria.
- (2) The enrolment of candidates in units of study shall be limited by the exigencies of the timetable.
- (3) The applicant must demonstrate, to the satisfaction of the Faculty, that during the candidature the student will be able to complete clinical and field experience required for the course.

9. Discontinuation of enrolment

- (1) A student who has discontinued candidature or whose candidature is deemed to have lapsed must apply for re-admission in accordance with the current procedures for new applicants to the degree.

10. Suspension of enrolment

- (1) Suspension of candidature is only applicable in cases of hardship or activities on the part of the student that are of national or state importance/are of a significant nature.
- (2) Examples of hardship may be illness or financial difficulties. Activities of a significant nature may be the inclusion of the student on a national sporting team, orchestra, etc that requires him/her to travel extensively for a specific period of time.
- (3) The granting of a suspension of candidature is at the discretion of the Dean.
- (4) Suspension of candidature will be for a minimum of one semester and a maximum of two semesters and may be granted only once during the degree.
- (5) In cases where a suspension of candidature is not granted, students may be required to discontinue their studies and follow the procedures for re-enrolment after an absence.

11. Re-enrolment after an absence

- (1) There is no automatic right of re-entry. Students who wish to be considered for re-enrolment need to fulfil the following conditions:
 - (a) lodge an application by October 30 in the year prior to that in which re-enrolment is sought;
 - (b) attach a current academic transcript (progress status is contingent upon an absence of not more than two years from the course); and
 - (c) ensure that outstanding debts with the University and/or show cause requirements are attended to before submission of the application (applications cannot be considered until financial obligations and show cause requirements are completed).
- (2) Applications will be considered in conjunction with all other applications by students applying under these conditions prior to the commencement of the academic year in which the student wishes to enrol.

12. Satisfactory progress

- (1) The Board of Studies shall have the power to resolve on satisfactory progress and progression in individual cases.
- (2) A Concessional Pass (PCON) may be considered for no more than one unit of study in the final year of enrolment and will not apply to any nursing practice unit or to any previously failed unit.
- (3) Candidates who fail:
 - (a) up to 6 credit points of the units of study in which they are enrolled in any one semester may progress to a normal full-time load in the subsequent semester. Any failed unit of study must be taken in the following year;
 - (b) between 12 and 24 credit points of the units of study in which they are enrolled in any year may only progress to a normal full-time load in the subsequent year. This must include the units of study in which they failed previously; or
 - (c) more than 24 credit points of the credit point load undertaken during a year, or who fail to meet the requirements of a practicum unit, or who discontinue fail enrolment in one unit of study twice shall be deemed not to have made satisfactory progress. They shall be required to show good cause as to why they should be permitted to re-enrol in the course.
 - (d) under clause 13(3)(a), (b) or (c) and are enrolled in a combined degree will not be permitted to undertake Year 4 units of study until such time as they have completed their undergraduate degree.
- (4) The Faculty reserves the right to require students who are asked to show cause to enrol in and successfully complete units of study in addition to the minimum number of credit points required to complete the degree.
- (5) The Faculty reserves the right to require students who are asked to show cause and who fail to demonstrate the minimum level of spoken or written English required by the Faculty to provide documentation to show they have an IELTS (or equivalent) score of 7.0 overall and 7.0 in each band.

13. Time limit

- (1) A candidate for the degree may proceed on either a full-time or part-time basis.

- (a) A full-time candidate shall complete the requirements for the degree no later than at the end of the eighth semester of candidature.
- (b) A part-time candidate shall complete the requirements for the degree no later than at the end of the tenth semester of candidature.
- (c) All candidates must complete the requirements for the degree within five calendar years of first enrolment.

14. Assessment Policy

Assessment will be carried out in accordance with the University of Sydney (Coursework) Rule 2000 (as amended) and the general Resolutions of the Faculty of Nursing and Midwifery.

15. Credit Transfer Policy

- (1) Credit granted on the basis of work completed or prior learning in another course at this University or at another university may not exceed 24 credit points.
- (2) Credit granted on the basis of work completed at an institution other than a university may not exceed 18 credit points.
- (3) Credit will not be granted for any units of study which were completed more than five years before admission or re-admission to candidature.

Diploma of Health Science

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000 (as amended), which sets out the requirements for all coursework courses, and the relevant Resolutions of the Senate.

2. Requirements for the Diploma

- (1) A student who is a candidate for the Diploma is to complete all units of study shown in the Table of units of study for the Diploma, as set out in the chapter of the Faculty of Health Sciences Handbook for the School concerned.
- (2) Units of study may specify assumed knowledge or prerequisite or corequisite units of study. The Head of the relevant School may permit a student to enrol in a unit of study without having completed the specified prerequisite or corequisite units of study.

3. Enrolment restrictions

Except with the express permission of the Dean a student may not enrol in units of study with a total value of more than 28 credit points in any one semester.

Granting of Credit towards the coursework awards in the Faculty of Health Sciences

- 1. The Dean may grant a student credit for units of study completed, or non-credentialed learning or experience gained, other than as part of the program in which he or she has enrolled, if the units of study or learning or experience are equivalent in content, workload and academic standard to units in the relevant Table of Units of Study.
- 2. The credit may be based on units of study completed towards an award course or as a non-award student, or on non-credentialed learning or experience.
- 3. A student seeking credit for units of study completed at the University of Sydney is to apply on the form provided by the Faculty.
- 4. A student seeking credit for units of study completed other than at the University of Sydney is to:
 - (a) apply on the form provided by the Faculty
 - (b) supply documentary evidence of the unit of study description and the assessment result, and
 - (c) be available for discussion with appropriate Faculty staff.
- 5. A student seeking credit on the basis of non-credentialed learning or experience is to:
 - (a) apply on the form provided by the Faculty, and
 - (b) be available for assessment by the appropriate unit of study coordinator.
- 6. Credit is not to be granted for units of study completed with the grade of "Terminating Pass" or "Conceded Pass", or equivalent.
- 7. For each application for credit, the Dean is to determine, as necessary:
 - (a) the method for demonstrating the achievement of the equivalent academic standard for applications based on non-credentialed learning or experience;
 - (b) the units of study for which credit is to be granted;

- (c) the credit point value of any credit granted for units of study not listed in the relevant Table of units of study;
- (d) the maximum duration of the student's candidature for the degree, proportionate to the amount of credit granted;
- (e) the credit point value of credit to be granted to a student who wishes to undertake a joint degree, overseas study, or a specialisation of professional value.

Discontinuation or suspension of enrolment

A student who wishes to suspend or discontinue his or her candidature for an undergraduate degree or a diploma is to apply to do so in accordance with the procedures set out in the Faculty of Health Sciences Handbook.

Re-enrolment after discontinuation or lapse of candidature

Except with the approval of the Dean, a student who has discontinued his or her candidature for a degree, diploma, graduate diploma or graduate certificate, or whose candidature for a degree, diploma, graduate diploma or graduate certificate has lapsed, is to reapply for admission to candidature.

Restriction on re-enrolment

- 1. The Faculty of Health Sciences may require a student to show good cause why it should allow the student to re-enrol in a degree, diploma, graduate diploma or graduate certificate in the Faculty if it considers that the student has not made satisfactory progress towards fulfilling the requirements for that award.
- 2. It is not possible to define satisfactory progress in all cases in advance, but the Faculty considers that a student's progress is unsatisfactory if the student has:
 - (a) enrolled on a full-time basis but has not successfully completed all first year degree or diploma requirements within two years;
 - (b) enrolled on less than a full-time basis, but has not successfully completed those subjects the Faculty requires him or her to complete in the first year of his or her approved program of study within two years;
 - (c) enrolled following exclusion from another Faculty or degree or diploma in the University or in another tertiary institution but has not successfully completed those subjects the Faculty requires him or her to complete in the first year.
- 3. The Faculty may require a student to show good cause why it should allow the student to re-enrol in a unit of study that the student has failed or discontinued with failure more than once.
- 4. If the Faculty permits a student whose progress it considers unsatisfactory to re-enrol, the Faculty may require the student to complete specified units of study within a specified time. If the student does not satisfy this requirement the Faculty may again call upon the student to show good cause why the Faculty should allow him or her to re-enrol.

University of Sydney (Coursework) Rule 2000 (as amended)

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Approved by: Senate on 4 December 2000

Date of effect: 1 January 2001

Latest amendment approved by: Senate on 3 December 2001

Date of effect: 1 January 2002

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

University of Sydney (Coursework) Rule 2000 (as amended)

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; and

credit points means a measure of value indicating the contribution each unit of study provides towards meeting award course completion requirements stated as a total credit point value.

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 per cent 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 subsection (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 50 per cent of the requirements prescribed for the award course at the University.

These requirements may be varied where the work was completed as part of an embedded program at the University or as part of an award course approved by the University in an approved conjoint venture with another institution.

- (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 enrolls after suspending candidature shall complete the requirements for the award course under such conditions as determined by the dean.

Division 6: Unsatisfactory progress and exclusion

14. Satisfactory progress

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 re-admission to the award course or re-enrolment in the unit or units of study concerned after at least four semesters, and that dean may readmit the student to the award course or permit the student to re-enrol in the unit or units of study concerned.
- (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 Re-admissions).
- (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 re-admission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused re-admission or re-enrolment may also apply to the Appeals Committee.
- (b) The Appeals Committee shall comprise:
 - (i) three 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) two student Fellows; and
 - (iv) up to four other Fellows.
- (c) The Appeals Committee may meet as one or more subcommittees providing that each subcommittee shall include at least one member of each of the categories of:
 - (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 subcommittee.
- (e) The Appeals Committee and its subcommittees have authority to hear and determine all such appeals and must report its decision to the Senate annually.
- (f) The Appeals Committee or a subcommittee may uphold or disallow any appeal and, at its discretion, may determine the earliest date within a maximum of four semesters at which a student who has been excluded shall be permitted to apply to re-enrol.
- (g) No appeal shall be determined without granting the student the opportunity to appear in person before the Appeals Committee or subcommittee considering the appeal. A student so appearing may be accompanied by a friend or adviser.
- (h) The Appeals Committee or subcommittee may hear the relevant dean but that dean may only be present at those stages at which the student is permitted to be present. Similarly, the dean is entitled to be present when the Committee or subcommittee hears the student.
- (i) If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or subcommittee scheduled to consider that student's appeal, the Appeals Committee or subcommittee, at its discretion, may defer consideration of the appeal or may proceed to determine the appeal.
- (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.

General University information

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Accommodation Service

The Accommodation Service helps students find off-campus accommodation. The service maintains an extensive database of accommodation close to the Camperdown and Darlinghurst Campus or within easy access via public transport. Currently enrolled students can access the database online through the MyUni student portal (<http://myuni.usyd.edu.au>), or the accommodation website via your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv>).

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3312
Fax: +61 2 9351 8262
Email: accomm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/accomm

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution phone +61 2 9351 4118 for more information. For enquiries regarding special admissions (including mature-age entry) phone +61 2 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office (see International Student Centre entry).

Student Centre
Ground Floor, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
Fax: +61 2 9351 4869
Email: admissions@records.usyd.edu.au
Web: www.usyd.edu.au/su/studentcentre

Applying for a course

Local applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment "local applicant" refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC). The deadline for application is the last working day of September in the year before enrolment. Go to the UAC website (<http://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

For the purpose of admission and enrolment "local applicant" refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the Master's qualifying or preliminary program and for non-award postgraduate study can be

found at www.usyd.edu.au/su/studentcentre/applications/applications.html.

Please note that some faculties use their own specially tailored application forms for admission into their courses. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

"International applicants" refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission through the University's International Office (10) (see International Student Centre entry). All the information international applicants need, including application forms, is available from the 10 website.

Assessment

For assessment matters refer to the relevant department or school.

Careers Centre

The Careers Centre will help you with careers preparation and graduate recruitment.

Careers Centre
Ground Floor, Mackie Building KOI
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: info@careers.usyd.edu.au
Web: www.careers.usyd.edu.au

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and during University vacations. The service maintains a database of casual employment vacancies. Currently enrolled students can access the database online through the MyUni student portal, or the casual employment website via your MyUni student portal, or the Services for Students website (<http://www.usyd.edu.au/stuserv>).

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 8714
Fax: +61 2 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.

Centre for Continuing Education
Cnr Missenden Road and Campbell Street
Sydney University Village
Newtown NSW 2042

Postal address:
Locked Bag 20
Glebe NSW 2037

Ph: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: info@cce.usyd.edu.au
Web: www.cce.usyd.edu.au

Subject areas include: history and culture, creative arts, social sciences, languages, IT, business and overseas study tours. Courses are open to everyone.

Centre for English Teaching (CET)

The Centre for English Teaching (CET) offers English language and academic study skills programs to students from overseas and Australian residents from non-English speaking backgrounds who need to develop their English language skills to meet academic entry requirements.

Mallett Street Campus M02

Phone: +61 2 9351 0760
Fax: +61 2 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 child care for students and staff of the University who are parents. For details of centres, vacation and occasional care see the child care website via your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv>)

Child Care Information Officer
Level 7, Education Building A35

Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/childcare

Client Services, Information and Communications Technology (ICT)

Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on 9351 6000, through the IT Assist website (www.itassist.usyd.edu.au) or by visiting the staff of the University Access Labs.

The access labs on the Camperdown and Darlington campus are located in:

- Fisher Library (Level 2);
- Carlaw Building (Room 201);
- Education Building (Room 232);
- Christopher Brennan Building (Room 232);
- Engineering Link Building (Room 222); and
- Pharmacy and Bank Building (Room 510).

Other labs are available at the Law, Westmead Hospital and Cumberland campuses.

The labs provide students free access to computers including office productivity and desktop publishing software.

Services available on a fee for service basis include Internet access, printing facilities and the opportunity to host their own non-commercial website.

Each student is supplied with an account, called a "Unikey" account, which allows access to a number of services including:

- free email (www-mail.usyd.edu.au);
- access to the Internet from home or residential colleges (www.itassist.usyd.edu.au/services.html);

- student facilities via the MyUni student portal (<http://my-uni.usyd.edu.au>), including exam results, enrolment variations and timetabling; and
- free courses in basic computing (such as MS Office; basic html and excel) that are run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Client Services, Helpdesk
University Computer Centre, H08
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 6000
Fax: +61 2 9351 6004
Email: support@usyd.edu.au
Web: www.itassist.usyd.edu.au

The Co-op Bookshop

The Co-op Bookshop is a one-stop bookshop for:

- textbooks;
- general books;
- course notes;
- reference books;
- DVDs;
- flash drives; and
- software at academic prices.

Lifetime membership costs \$20.00 and gives a ten per cent discount on purchases (conditions apply).

Sports and Aquatic Centre Building G09

Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Web: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. Counselling is free and confidential. The service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. The service runs a program of workshops during each semester. For details of workshops, activities and online resources provided by the service see the Counselling Service website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlington
Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2228
Fax: +61 2 9351 7055
Email: counsell@mail.usyd.edu.au
Web: www.usyd.edu.au/counsel

Cumberland Campus
Ground Floor, A Block, Cumberland Campus C42
The University of Sydney
East Street
Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: CS_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/counsel

Disability Services

Disability Services is the principal point of contact for 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 their areas of study. Assistance available includes the provision of note taking, interpreters and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate. For details on registering with the service and online resources see the Disability Services website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlingtown campuses

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 7040
Fax: +61 2 9351 3320
TTY: +61 2 9351 3412
Email: dissserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/disability

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
The University of Sydney
East Street
Lidcombe
NSW 2141 Australia
Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/disability

Enrolment

Students entering first year

Details of enrolment procedures will be sent to you with your UAC offer of enrolment. Enrolment takes place at a specific time and date, usually during the last week of January, depending on your surname and the faculty in which you are enrolling. You must attend the University in person or else nominate somebody in writing to act on your behalf. On enrolment day you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies. (These are currently subject to Parliamentary Review and may be voluntary in 2006.) You also nominate your preferred payment option, either "up front" or deferred, for your Higher Contribution Scheme (HECS) liability. You will also choose your first-year units of study, so it's important to consult the appropriate faculty 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.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use; and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program.

Enquiries can be directed to the Manager, Environmental Strategies phone +61 2 93512063, email: janet.broadly@usyd.edu.au, or go to www.facilities.usyd.edu.au/projects/enviro/about.shtml where you can find out what the University is doing and how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Examinations

The Examinations and Exclusions Office looks after the majority of examination arrangements and student progression. Some faculties,

such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Examinations and Exclusions Office
Student Centre
Level 1, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on how to pay fees, where to pay fees and if payments have been received. The office also has information on obtaining a refund for fee payments.

Fees Office
Margaret Telfer Building K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9351 4202

Financial Assistance Office

The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University. The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent; phone and electricity bills; medical expenses; buying textbooks and course equipment. Loans are interest free and are repayable usually within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including First Year Bursaries, are advertised through the MyUni student portal in January each year. For details of types of assistance and online resources provided by the service see the Financial Assistance website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +61 2 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; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

(Note that a "member of the public" includes staff and students of the University.)

It is a requirement of the act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made to access University documents, some may not be released in accordance with particular exemptions

provided by the act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis. 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: +61 2 9351 3199, +61 2 9351 4009
Protocol: +61 2 9351 4612
Fax: +61 2 9351 5072

(Grievances) Appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters.

In some cases the by-laws or resolutions of the Senate (see the University Calendar (<http://www.usyd.edu.au/about/publication/pub/calendar.shtml>)) provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's policy online website (<http://www.usyd.edu.au/policy>) (click on "Study at the University", then click on "Appeals" - see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Students' Representative Council
Level 1, Wentworth Building G01
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9660 5222

HECS and Fees Office

Student Centre
Ground Floor, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659, +61 2 9351 5062, +61 2 9351 2086
Fax: +61 2 9351 5081

International Student Centre

The International Student Centre consists of the International Office and the Study Abroad and Exchange Office. The IO provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Student Centre

Services Building G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Web: www.usyd.edu.au/international

Study Abroad and Exchange Unit

Study Abroad
Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: www.usyd.edu.au/fstudent/studyabroad/index.shtml

Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Web: www.usyd.edu.au/fstudent/studyabroad/partners.shtml

International Student Services Unit

The International Student Services Unit assists international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in a unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable. For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv. International students also have access to all University student support services.

Camperdown and Darlingtown campuses

Ground Floor, Services Building G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Web: www.usyd.edu.au/issu

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
The University of Sydney
East Street
Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/issu

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 Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Aboriginal Studies in various mainstream courses. In addition the Centre provides tutorial assistance, and student facilities such as: computer lab, Indigenous research library and study rooms.

In particular the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal Studies, conduct research

in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang: School of Indigenous Health Studies in the Faculty of Health Sciences at the University's Cumberland Campus. Yooroang Garang provides advice, assistance and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre

Ground Floor, Old Teachers College A22
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll Free: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Web: www.koori.usyd.edu.au

Yooroang Garang

T Block, Level 4, Cumberland Campus C42
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll Free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: www.yg.fhs.usyd.edu.au

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a special program for international students, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities. For details of programs, activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlingtown campuses

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/lc

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
The University of Sydney
East Street
Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: LC_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/lc

Library

The University of Sydney Library, the largest academic library in the Southern Hemisphere, is a network of 18 libraries located on nine campuses. The Library website (<http://www.library.usyd.edu.au>) provides access to services and resources, anywhere at anytime. The

locations, opening hours and subject specialities of the libraries are listed on the website.

Over five million items are available via the Library catalogue, including more than 52,000 electronic journals and 270,000 electronic books. Past exam papers are also available online. Enrolled students are entitled to borrow from any of the University Libraries. More information is available at www.library.usyd.edu.au/borrowing.

Reading list items are available via the reserve service. Increasingly, reading list material is becoming available in electronic form. For details see the reserve service website (<http://opac.library.usyd.edu.au/screens/reserve.html>).

Library staff are always available to support students in their studies. "Ask a Librarian" in person, by email, or by using an online chat service (<http://www.library.usyd.edu.au/contacts/index.html>).

A specialist librarian is available for all discipline areas and will provide training in finding high quality information. Courses cover a range of skills including research methodology, database searching, effective use of the Internet and the use of reference management software. See the subject contact page (<http://www.library.usyd.edu.au/contacts/subjectcontacts.html>).

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Check the "Libraries" link on the home page (<http://www.library.usyd.edu.au>) to find out about services and facilities in specific libraries.

The *Client Service Charter* describes the Library's commitment to supporting students' learning, including those with special needs. See the *Client Service Charter* online (<http://www.library.usyd.edu.au/about/policies/clientcharter.html>).

Your comments and suggestions are always welcome.

University of Sydney Library F03
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2993 (general enquiries)
Fax: +61 2 9351 2890 (administration), +61 2 9351 7278 (renewals)
Email: loanenq@library.usyd.edu.au (loan enquiries), udd@library.usyd.edu.au (document delivery enquiries)
Web: www.library.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre assists undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides ongoing support to eligible students during the year through individual assistance and small group tutorials. For details of activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Level 4, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/mlc

Multimedia and Educational Technologies in Arts (META) Resource Centre (Languages and E-Learning)

The centre provides access to lectures, classwork and interactive self-paced learning materials for students of languages other than English (LOTE) and English as a second language (ESL). The library

holds materials in over 90 LOTE languages. The self study room provides interactive computer assisted learning and access to live multilingual satellite television broadcasts. Computer access labs provide Internet, email and word processing access. The centre also provides teaching rooms with state-of-the-art multimedia equipment, language laboratories and video conferencing facilities for Faculty of Arts courses.

Level 2, Brennan Building (opposite Manning House)
The University of Sydney
NSW 2006 Australia

Phone: For language enquiries +61 2 9351 2371, for all other enquiries +61 2 9351 6781

Fax: +61 2 9351 3626

Email: For language related enquiries language.enquiries@arts.usyd.edu.au, for all other enquiries METAResource-Centre@arts.usyd.edu.au

Web: www.arts.usyd.edu.au/centres/meta

MyUni Student Portal

Launched in July 2004, the MyUni student portal (<http://my-uni.usyd.edu.au>) is the starting point and "one-stop" environment for students to access all their web-based University information and services. MyUni automatically tailors what a student sees based on their login-in and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services for students in health, counselling, child care, accommodation, employment and wellbeing;
- student administration systems for obtaining exam results, enrolment and variations, timetabling, email services and links to courses and units of study information;
- links to the University's e-learning systems;
- library services;
- important messages and student alerts;
- information technology and support services;
- information for international students; and
- campus maps, with descriptions of cultural, sporting and campus facilities.

Part-time, full-time

Undergraduate Students

Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

Postgraduate Students (Coursework)

For postgraduate coursework students part-time or full-time status is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load. Please note that classes for some coursework programs are held in the evenings (usually 6-9pm).

Postgraduate Students (Research)

Full-time candidates for research degrees do not keep to the normal semester schedule, instead they work continuously throughout the year with a period of four weeks recreation leave. There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International Students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information. In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at www.usyd.edu.au/arms/privacy.

Any questions regarding the *Freedom of Information Act*, the *Privacy and Personal Information Protection Act*, the *Health Records and Information Privacy Act* or the *Privacy Management Plan* should be directed to:

Tim Robinson: +61 2 9351 4263, or Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates

Scholarships Unit
Room 147, Ground Floor, Mackie Building KOI
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2717

Fax: +61 2 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: +61 2 9351 3023 (general enquiries)

Academic records: +61 2 9351 4109

Discontinuation of enrolment: +61 2 9351 3023

Handbooks: +61 2 9351 5057

Prizes: +61 2 9351 5060

Fax: +61 2 9351 5081, +61 2 9351 5350 (academic records)

Web: 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. 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 of their head and shoulders for lamination on 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 be rejected. New identity cards are required for each year of a student's enrolment.

Student Services

The University provides personal, welfare, administrative and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and student services can assist you in managing and handling these more effectively. For details of services and online resources provided see the Student Services website (<http://www.usyd.edu.au/stuserv>).

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during summer. There are also some units of study available for postgraduate coursework programs from some faculties. As the University uses its entire quota of Commonwealth supported places in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing subjects before they commence their degrees. Units start at various times from late November and run for up to six weeks (followed by an examination week). Notice of the units available is on the Summer School website (<http://www.summer.usyd.edu.au>) and is usually circulated to students with their results notices. A smaller Winter School is also run from the Summer School office. It commences on 3 July and runs for up to three weeks (followed by an examination week). It offers mainly postgraduate and a few undergraduate units of study. Information can be found on the Summer School website (<http://www.summer.usyd.edu.au>).

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available from the Wednesday of O Week through the MyUni website (<http://myuni.usyd.edu.au>).

The Faculty of Health Sciences, The Sydney College of the Arts, The Sydney Conservatorium of Music and the Faculty of Veterinary Science produce their own timetables for all teaching that they deliver. These timetables are available from the faculties.

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 practitioners, 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: +61 2 9351 3484

Fax: +61 2 9351 4110

University Health Service (Holme)

Science Rd entry, Holme Building A09

The University of Sydney

NSW 2006 Australia

Phone: +61 2 9351 4095

Fax: +61 2 9351 4338

See also the Glossary for administrative information relating to particular terms.

Student organisations

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Students¹ Representative Council

The Students' Representative Council (SRC) 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: + 612 9660 5222 (editors, *Honi* Soft/Legal Aid, Student Welfare and Centrelink advice, interest free loans)
Second-hand Bookshop: +61 2 9660 4756
Mallet Street: +61 2 9351 0691
Conservatorium: +61 2 9351 1291
Fax: +61 2 9660 4260
Email: info@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: +61 2 9351 3715
Freecall: 1800 249 950
Fax: +61 2 9351 6400
Email: supra@mail.usyd.edu.au
Web: www.supra.usyd.edu.au

Sydney University Sport

Sydney University Sport provides opportunities for participation in a range of sporting and recreational activities along with first class facilities.

University Sports and Aquatic Centre G09
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@susport.usyd.edu.au
Web: www.susport.com

University of Sydney Union

The University of Sydney Union is the main provider of catering facilities, retail services, welfare programs and social and cultural events for the University community on the Camperdown and Darlinghurst campuses and at many of the University's affiliated campuses.

University of Sydney Union
Level 1, Manning House A23
The University of Sydney
NSW 2006 Australia

Phone: 1800 013 201 (switchboard)
Fax: +61 2 9563 6109
Email: info@usu.usyd.edu.au
Web: www.usydunion.com

Abbreviations

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

For a glossary of terms, describing the terminology in use at the University of Sydney, please see the glossary section.

Listed below are the more commonly used acronyms that appear in University documents and publications.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity Based Costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Cooperation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
ATPL	Australian Technology Park Limited
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors Committee

B

BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme

C

CAF	Cost Adjustment Factor
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESSN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre

C

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
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D

DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E

EB	Enterprise Bargaining
EFTSU	Equivalent Full-Time Student Unit
EFTSL	Equivalent Full-Time Student Load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F

FFT	Fractional Full-Time (Equivalent Staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FMO	Facilities Management Office
FOS	Field of Study
FTE	Full-Time Equivalent (Staff)
FRM	Faculty of Rural Management

G

GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate Destination Survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H

HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Program (DEST)
HELP	Higher Education Loan Program

H

HEO	Higher Education Officer
HEP	Higher Education Provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act
HOD	Head of Department

I

IAF	Institutional Assessment Framework (This is a new name for what was previously the DEST Profile process.)
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
ICTR	Information and Communication Technology Resources
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual Property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J

JASON	Joint Academic Scholarships Online Network
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L

LBOTE	Language Background Other Than English
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M

MBA	Master of Business Administration
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MPG	Major Projects Group
MRB	Medical Rural Bonded Scholarship Scheme

N

NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-Speaking Background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-Recent School Leaver
NSWVCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union

O

OECD	Organisation for Economic Cooperation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme
OPRS	Overseas Postgraduate Research Scholarships

P

PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor

Q

QA	Quality Assurance
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Q

QACG	Quality Advisory and Coordination Group
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R

R&D	Research and Development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division - DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent School Leaver
RTS	Research Training Scheme (DEST)

S

SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic Status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety Net Adjustment
SPIRT	Strategic Partnerships with Industry — Research and Training Scheme
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student/Staff Ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney University Sport

T

TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U

UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPA	University Postgraduate Awards

V

VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W

WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organization

Y

YFE	Year of First Enrolment
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Glossary

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

For a table of the more commonly used acronyms and abbreviations that appear in University documents and publications please see the abbreviations section.

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Annual average mark (AAM)

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

$$\text{AAM} = \frac{\sum (\text{marks} \times \text{credit point value})}{\sum (\text{credit point value})}$$

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark ~ 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included.

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission and candidature of students. (For further information, see the University Calendar.)

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One through to the completion of the processing of results at the end of Semester Two. (See also Stage.)

Academic dishonesty

Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. (See also Plagiarism.)

Academic record

The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student. (See also Academic transcript.)

Academic transcript

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal. (See also External transcript, Internal transcript.)

Academic year

The current calendar year in which a student is enrolled. (See also Academic cycle, Stage.)

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAL. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criteria used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (Deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example "UAC" or "direct".

Admission period

The period during which applications for admission to courses are considered.

Admission year

The year the student expects to begin the course (see also Commencement date.)

Advanced diplomas

(See Award course.)

Advanced standing

(See Credit.)

Advisor

A member of academic staff appointed in an advisory role for some postgraduate coursework students. (See also Associate supervisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Aegrotat

In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni sidneiensis

A searchable database of graduates of the University from 1857 to 30 years prior to the current year.

Annual average mark (AAM)

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

$(\text{mark} * \text{credit_pt_value}) / (\text{credit_pt_value})$
(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark ~ 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included.

Annual progress report

A form which is used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Appeals

Students may lodge an appeal against academic or disciplinary decisions. An academic appeal (e.g. against exclusion) is managed by the Student Centre ~ Exclusions Office while it is under consideration and a record of the outcome of the appeal will be retained.

Assessment

The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations. (See also Result processing, Result processing schedule.)

Formative assessment

Formative assessment is used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limitations in their knowledge and understanding.

Summative assessment

Summative assessment is used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor

A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. (See also Advisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject at the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study. (See also Prerequisite.)

Attendance pattern

Attendance pattern is classified as full-time, part-time or external, this is dependant on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Technology (DEST) classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Australian Graduate School of Management (AGSM)

A joint venture with the University of New South Wales. The AGSM is derived from the Graduate School of Business at the University

of Sydney and the then AGSM at the University of New South Wales.

Australian Qualifications Framework (AQF)

The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY

Austudy provides financial help to students who are aged 25 years or more who meet the required criteria, and are undertaking an approved full-time course at an approved institution. (See also Youth Allowance.)

Automated Results Transfer System (ARTS)

This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course

(See Course.)

B**Bachelor's degree**

The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent. (See also Award course.)

Barrier

An instruction placed on a student's record that prevents the student from re-enrolling or graduating. (See also Deadlines (fees), Suppression of results.)

Board of Studies

An academic body which supervises a course or courses, and which is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries

Financial award made to a student, based primarily on need. (See also Scholarships.)

C**Cadigal program**

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus

The grounds on which the University is situated. There are 11 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)
- Surry Hills (Dentistry)

Cancellation

Where enrolment is cancelled for non-payment of fees.

Candidature

Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.

Census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST. (See also HECS.)

Ceremony

(See Graduation ceremony.)

Chancellor

The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience

Students undertake clinical placements in a professional environment as part of their course requirements. Many require University approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

College of Health Sciences

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

College of Humanities and Social Sciences (CHASS)

Consists of the Faculties of Arts; Economics and Business; Education; Law; the Sydney College of the Arts; and the Sydney Conservatorium of Music.

College of Sciences and Technology (CST)

Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science; and Veterinary Science.

Combined course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

A combined degree is a single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). (See also Combined course.)

Commencement date

The date a student commences candidature.

Compulsory subscriptions

Each enrolled student is liable to pay annual (or semester) subscriptions, as determined by the Senate, to the student organisations at the University. There are different organisations for undergraduate and postgraduate students.

The student organisations are specific to different campuses. The organisations at campuses other than Camperdown and Darlington include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts. (See also Compulsory subscription exemption, Joining fee, Life membership.)

Compulsory subscription exemption

Students of a certain age or those with disabilities or medical conditions may be exempt from the subscription to the sports body.

Conscientious objectors to the payment of subscriptions to unions of any kind may apply to the Registrar for exemption. The Registrar

may permit such a student to make the payment to the Jean Foley Bursary Fund instead. (See also Compulsory subscriptions.)

Confirmation of Enrolment form (COE)

This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally.

A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures

Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS), whereby students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their "home" institution.

Continuing professional education

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long term relationship between the student and the University.

Convocation

The body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for a particular course or subject area. (See also Unit of study.)

Corequisite

A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS. (See also Prerequisite, Waiver.)

Cotutelle Scheme

Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course

An undertaking of study at the University of Sydney

Award course

A formal course of study that will see attainment of a recognised award. Award courses are approved by Senate, on the recommendation of the Academic Board. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. (See also Bachelor's degree, Course rules, Diploma, Doctorate, Major, Master's degree, Minor, PhD, Stream.)

Non-award course

Studies undertaken by students who are not seeking an award from the University. (See also Cross-institutional enrolment.)

Coursework

An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised, other forms of instruction and learning normally will be dominant.

Research

A course in which at least 66 per cent of the overall course requirements involve students in undertaking supervised research, leading

to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias

A unique five character alpha-numeric code which identifies a University course.

Course code

(See Course alias.)

Course enrolment status

A student's enrolment status in a course is either "enrolled" or "not enrolled". "Not enrolled" reasons include: cancelled; suspended; under examination; or terminated. (See also Cancellation, Candidature, Course leave, Enrolment, Enrolment variation, Terminated, Under examination.)

Course leave

Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission. (See also Progression.)

Course rules

Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated, e.g. a candidate may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, e.g. a candidate must have completed a minimum of 144 credit points. (See also Award course, Corequisite, Prerequisite.)

Course suspension

See Course leave.

Course transfer

A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (e.g. from a PhD to a master's program in the same faculty).

Credit

The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. Credit may be granted as specified credit or non-specified credit.

Specified credit

The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit

A "block credit" for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study.

(See also AAM - Annual average mark, Waiver, Weighted average mark (WAM).)

Credit points

The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study will have a credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment

An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments

incur a 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, i.e. the university which will award their degree). (See also Non-award course).

Course enrolment status

A student's enrolment status in a course is either "enrolled" or "not enrolled". "Not enrolled" reasons include: cancelled, suspended, under examination or terminated. (See also Cancellation, Candidature, Course leave, Enrolment, Enrolment variation, Terminated, Under examination.)

D

The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A sub-committee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office.

Deadlines (Enrolment variations)

(See Enrolment variation.)

Deadlines (Fees)

The University has deadlines for the payment of fees (e.g. HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record. (See also Barrier, Cancellation.)

Dean

The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of Arts).

Dean's certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have "Dean's Certificate" noted on their academic record.

Deferment (Deferral)

See Admission (deferment), Course leave.

Degree

See also Award course, Bachelor's degree.

Delivery mode

Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, i.e. an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance education

Where subject matter is delivered in a more flexible manner, such as correspondence notes, and student may only attend campus if required. (See also Extended semester, Distance education, International -- offshore.)

Intensive on campus

Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On campus (normal)

Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department

(See School.)

Department of Education, Science and Training (DEST)

The Commonwealth Government department responsible for higher education.

Differential HECS

(See Higher Education Contribution Scheme (HECS).)

Diploma

The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course. (See also Award course.)

Direct admissions

For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome. (See also Admission, UAC.)

Disability information

Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature.

Disciplinary action

Undertaken as the result of academic or other misconduct, e.g. plagiarism, cheating, security infringement, criminal activity.

Discipline

A defined area of study, for example, chemistry, physics, economics.

Discipline group

A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)

(See Enrolment variation.)

Discontinuation (unit of study)

(See Enrolment variation.)

Dissertation

A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education

Where a student does not attend campus on a daily basis for a given course or unit of study. (See also Delivery mode, Extended semester.)

Doctorate

A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a Master's degree course. Note that the doctorate course is not available in all departments at the University. (See also Award course, PhD.)

Domestic Student

A student who is not an international student. See also Local student.)

Double degree

A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade

Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E**Earliest date**

(See Research candidature.)

Equivalent full-time student unit (EFTSU)

The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU. (See also Load, Stage.)

Equivalent full-time student load (EFTSL)

The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis, (effective 1 January 2005)

Embedded courses

Award courses in the Graduate Certificate, Graduate Diploma and Master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, e.g. the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment

A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing

An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing

Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol. (See also Pre-enrolment.)

Enrolment list

A list of all currently enrolled students in a particular unit of study. (See also Unit of study.)

Enrolment status

(See Course enrolment status.)

Enrolment Variation

Students may vary their enrolment at the beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also HECS.)

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty. (See Examination period, Assessment.)

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (Coursework)

The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

Exchange student

Either a student of the University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion

A faculty may ask a student whose academic progress is considered to be unsatisfactory to "show good cause" why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the University Calendar. (See also Progression, Senate appeals.)

Exemption

A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment. (See also Credit, Waiver.)

Expulsion

The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University;
- the student does not receive their results;
- the student is not allowed to graduate; and
- the student does not receive a transcript or testamur.

Extended semester

A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, e.g. drought, flood or illness, affect the student's ability to complete the module or program in the specified time. (See also Distance education.)

External

(See Attendance mode, Distance education.)

External transcript

A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received. Marks can be included or omitted, as required. (See also Academic transcript, Internal transcript.)

F

Faculty

A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The University Calendar sets out the constitution of each of the University's faculties. (See also Board of Studies, Supervising faculty.)

Fee-paying students

Students who pay tuition fees to the University and are not liable for HECS.

Flexible learning

(See Delivery mode, Distance education.)

Flexible start date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

Flexible Student Information System (FlexSIS)

The computer-based Flexible Student Information System at the University of Sydney. FlexSIS holds details of courses and units of

study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment

(See Assessment.)

Full-time student

(See also Attendance pattern, EFTSU.)

G

Grade

The outcome for a unit of study linked with a mark range. For example, a mark in the range 85-100 attracts the grade "high distinction" ("HD"). (See also Mark.)

Grade	Description	Comment
HD	High distinction	A mark of 85-100.
D	Distinction	A mark of 75-84.
CR	Credit	A mark of 65-74.
P	Pass	A mark of 50-64.
R	Satisfied requirements	This is used in pass/fail only outcomes.
UCN	Unit of study continuing	Used at the end of semester for units of study that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study.
POON	Pass (concessional)	A mark of 46-49. Use of this grade is restricted to those courses that allow for a concessional pass of some kind to be awarded. A student may re-enrol in a unit of study for which the result was PCON. Each faculty will determine and state in its course regulations what proportion, if any, may count — e.g. "no more than one sixth of the total credit points for a course can be made up from PCON results".
F	Fail	A mark of 0-49. This grade may be used for students with marks of 46-49 in those faculties which do not use PCON.
AF	Absent fail	Includes non-submission of compulsory work (or non-attendance at compulsory labs, etc) as well as failure to attend an examination.
W	Withdrawn	Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a unit of study by the HECS census date (i.e. within the first four weeks of enrolment).
DNF	Discontinued — not to count as failure	Recorded on external transcript. This result applies automatically where a student discontinues after the HECS census date but before the end of the seventh week of the semester (or before half of the unit of study has run, in the case of units of study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.
INC	Incomplete	This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either: by the dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy "Examinations and Assessment Procedures"; or automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.
UCN	Incomplete	A MINC or INC grade is converted, on the advice of the dean, to UCN when all or many students in a unit of study have not completed the requirements of the unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (e.g. Honours).

Graduand

A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

Graduate

A person who holds an award from a recognised tertiary institution. (See also Graduand, Graduation.)

Graduate Certificate

(See Award course.)

Graduate Diploma

(See Award course.)

Graduation

The formal conferring of awards either at a ceremony or in absentia. (See also In absentia, Potential graduand.)

Graduation ceremony

A ceremony where the Chancellor confers awards upon graduands.

Group work

Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment. (See also Legitimate cooperation.)

H**Head of department (HOD)**

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher doctorates

See Award course.

HECS (Higher Education Contribution Scheme)

All students, unless they qualify for an exemption, are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme. These contributions are determined annually by the Commonwealth Government. This scheme will cease in its current form from 1 January, 2005.

Honorary degrees

A degree *honoris causa* (translated from the Latin as "for the purpose of honouring") is conferred on a person whom the University wishes to honour. Long-standing full-time members of the University's academic staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission ad eundem gradum, to an appropriate degree of the University.

Honours

Some degrees may be completed "with Honours". This may involve either the completion of a separate Honours year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II - which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)

The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I**In absentia**

Latin for "in the absence of". Awards are conferred in absentia when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also Graduation.)

Instrumental supervisor / teacher

All students at the Sydney Conservatorium of Music and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also Advisor, Associate supervisor, Research supervisor, Supervision.)

Internal mode

(See Attendance mode.)

Internal transcript

A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course together with the unit of study result. (See also Academic transcript, External transcript.)

International student

Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying

A private International Student who is liable to pay tuition fees for their studies with the University.

Fee-paying - Outgoing exchange

An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International — cross-institutional

An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their "home" institution.

International — Sponsored

A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also cover Overseas Health Cover and Compulsory Subscriptions.

Offshore studies

International offshore students undertake their program of study at one of the University's offshore campuses and hence do not enter Australia; therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course

An international fee-paying student undertaking a short course with the University of Sydney comprising such programs as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award

An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad

An international student who is undertaking short-term study at the University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution.

(See also Local student, Student type.)

J

Joining fee

Students enrolling for the first time pay a joining fee in addition to the standard subscription for the University of Sydney Union or equivalent student organisation. (See also Compulsory subscription.)

L

Leave

See Course leave.

Legitimate cooperation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students. (See also Group work.)

Life membership

Under some circumstances (e.g. after five full-time years of enrolments and contributions) students may be granted life membership of various organisations. This means they are exempt from paying yearly fees. (See also Compulsory subscriptions.)

Load

The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU). (See also Equivalent full-time student units (EFTSU).)

Local Student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront. (See also Domestic student, HECS, International student.)

M

Major

A field of study, chosen by a student, to represent their principal interest this would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduands assessment of study. (See also Award course, Minor, Stream.)

Major timetable clash

The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark

An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study. (See also Grade.)

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level. (See also Award course.)

Method of candidature

A course is either a research course or a coursework course and so the methods of candidature are "research" and "coursework". (See also Course ~ coursework, Course ~ research.)

Minor

Studies undertaken to support a Major. Requiring a smaller number of credit points than a major students select and transfer between minors (and majors) by virtue of their selection of units of study.

One or more minors may be awarded upon the graduand's assessment of study. (See also Award course, Major, Stream.)

Mixed mode

(See Attendance mode.)

Mutually exclusive units of study

(See Prohibited combinations of units of study.)

N

Non-award course

(See Course.)

Non-standard session

A teaching session other than the standard February and August sessions - e.g. Summer School, in which units of study are delivered and assessed in an intensive mode during January. (See also Semester, Session.)

O

Orientation Week

Orientation or "O Week", takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

P

Part-time student

(See Attendance mode, Attendance pattern, Equivalent full-time student units (EFTSU).)

Permanent home address

The address used for all official University correspondence with a student, both inside and outside of semester time (e.g. during semester breaks), unless the student provides a different overridden by semester address for use during the semester. (See also Semester address.)

PhD

The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. (See also Award course, Doctorate.)

Plagiarism

Presenting another person's ideas, findings or work as one's own by copying or reproducing them without the acknowledgement of the source. (See also Academic dishonesty.)

Postgraduate

A term used to describe a course leading to an award such as graduate diploma, a Master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A "postgraduate" is a student enrolled in such a course. (See also Course - Coursework, Course ~ Research)

Postgraduate Education Loans Scheme (PELS)

An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme will cease in this manner from 1 January, 2005, and will be replaced by the FEE-HELP scheme.

Potential graduand

A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies. (See also Graduand, Graduation.)

Pre-enrolment

Pre-enrolment ~ also known as provisional re-enrolment ~ takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is "enrolled" and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period. (See also Enrolment.)

Prerequisite

A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory. (See also Assumed knowledge, Corequisite, Waiver, Qualifier.)

Prizes

Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature

A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice

Students undertake placement in a professional practice as a part of their course requirements. May require University approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression

Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed. (See also Exclusion.)

Prohibited combinations of units of study

When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit. (See also unit of study.)

Provisional re-enrolment

See Pre-enrolment.

Q**Qualification**

An academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better. (See also Assumed knowledge, Corequisite, Prerequisite, Waiver.)

R**Recycling**

The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited

towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration

In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course

See Course - research.

Research supervisor

A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Supervision.)

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments tabulate results for all assessment activities and assign preliminary results. (See also Assessment, Formative assessment, Examination period, Summative assessment)

Result processing schedule

The result processing schedule will be determined for each academic cycle. All departments and faculties are expected to comply with this schedule. (See also Assessment, Examination period, Result processing.)

Result

The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade. (See also Grade, Mark.)

Research Training Scheme (RTS)

The RTS provides Commonwealth-funded higher degree by research (HDR) students with an "entitlement" to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S**Scholarships**

Financial or other form of support made available to enable students to further their studies. (See also Bursaries.)

School

A school or academic unit shall encourage and facilitate teaching, scholarship and research and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester

A half-yearly teaching session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board. (See also Session, Non-standard session.)

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate

The governing body of the University. (See the University Calendar for more details of its charter and powers.)

Senate appeals

Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues, i.e. the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also Exclusion.)

Session

Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes. Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern. (See also Semester, Non-standard teaching period.)

Session address

(See Semester address.)

Short course

A fee paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause

(See Progression, Exclusion.)

Special consideration

Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Sponsorship

Financial support of a student by a company or government body.

Stage

A normal full-time course of study taken in a year. (See also Course rules, EFTSU, Progression.)

Stream

A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, e.g. Bachelor of Engineering in Civil Engineering (Construction Management). (See also Award course, Major, Minor.)

Student

Student means a person enrolled as a candidate for an award course or unit of study.

Student identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student ID Card

All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a pas sport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)

A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type

Student type identifies whether a student is local or international and the type of study the student is undertaking. (See also International student, Domestic student, Exchange student.)

Study Abroad program

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution. (See also Exchange student.)

Subject area

A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, e.g. the unit of study "History of Momoyama and Edo Art" may count towards the requirements for the subject areas "Art History and Theory" and "Asian Studies".

Summative assessment

See Assessment.

Summer School

(See Sydney Summer School.)

Supervising faculty

The faculty which has the responsibility for managing the academic administration of a particular course, i.e. the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course. However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (e.g. the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision

Refers to a one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Research supervisor.)

Suppression of results

Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension

(See Course leave.)

Sydney Summer School

A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course. All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

T**Teaching department**

(See School.)

Teaching end date

Official finish date of formal timetabled classes.

Teaching start date

Official commencement date of formal timetabled classes.

Terminated

Term used when a student's candidature has been officially closed because they are not able to complete the Course requirements. (See also Candidature.)

Testamur

A certificate of award provided to a graduand, usually at a graduation ceremony. The Award conferred will be displayed along with other appropriate detail.

Thesis

A major work that is the product of an extended period of supervised independent research. (See also Course ~ research.)

Timetable

The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

(See Academic transcript.)

Transfer

(See Course transfer.)

Tuition fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U**Universities Admissions Centre (UAC)**

The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)

A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination

Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate

A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study

Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department. (See also Prohibited combinations of unit of study.)

Unit of study enrolment status

The enrolment status indicates whether the student is still actively attending the unit of study (i.e. currently enrolled) or is no longer enrolled. (See also Discontinuation or Cancellation.)

Unit of study level

Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University

Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal

A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

Upgrade

Where a student enrolled in a Master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

USYDnet

The University of Sydney's intranet system. It provides access to other services such as directories (maps, staff and student, organisations), a calendar of events (to which staff and students can submit entries), and a software download area.

V**Variation of enrolment**

(See Enrolment variation.)

Vice-Chancellor and Principal

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W**Waiver**

In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course. (See also Credit, Exemption.)

Winter School

An intensive session offered by the University during the mid-year break.

Weighted average mark (WAM)

This mark uses the unit of study credit point value in conjunction with an agreed "weight". The formula for this calculation is:

$$WAM = \frac{\sum (W_c \times M_c)}{\sum (W_c)}$$

Where W_c is the weighted credit point value - ie, the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where M_c is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark - 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (See also WAM weight.)

WAM weight

A weight assigned to each unit of study to assist in the calculation of WAMs.

Y

Year of first enrolment (YFE)

The year in which a student first enrolls at the University. (See also Commencement date.)

Youth Allowance

Youth Allowance is payable to a full-time student or trainee aged 16-24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

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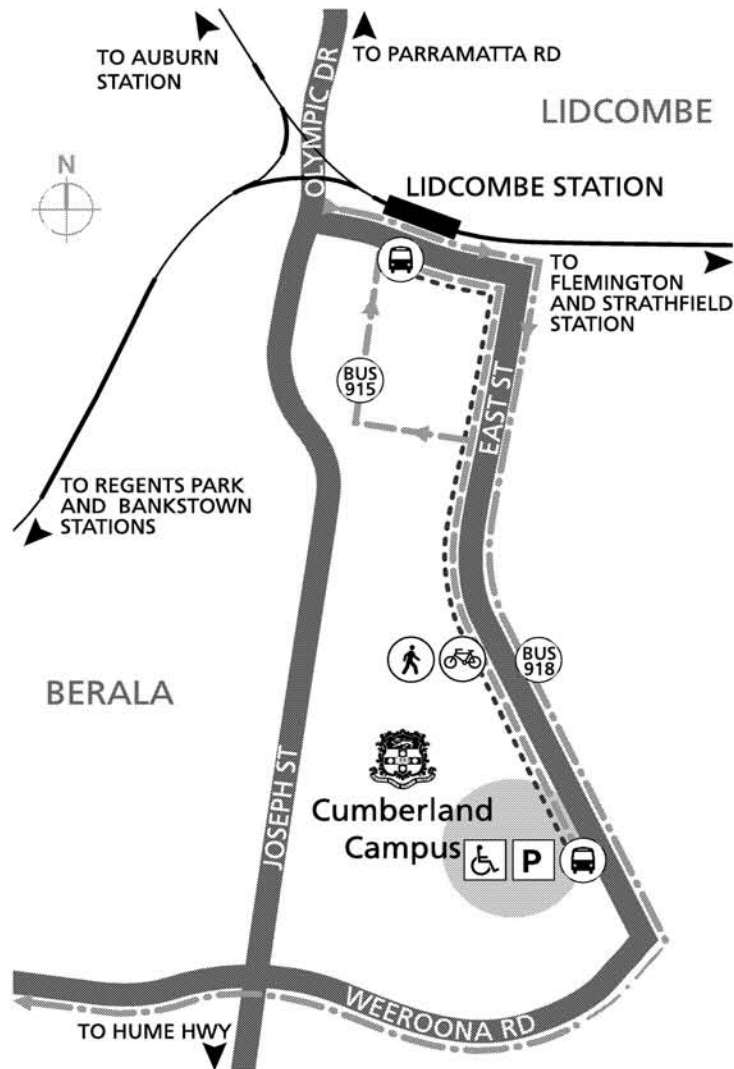
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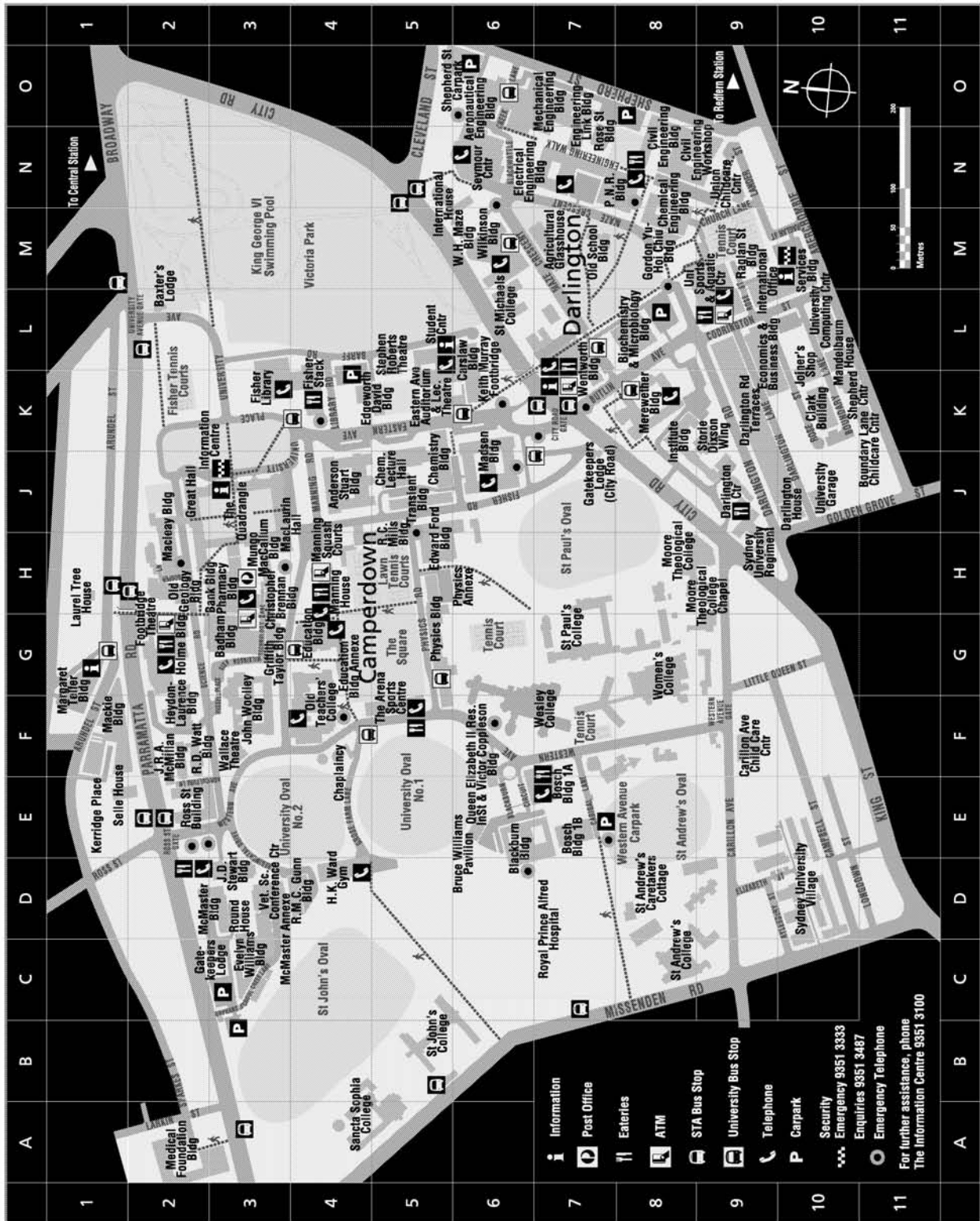
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Public transport map



-  RAILWAY - THE NEAREST STATION TO THE CUMBERLAND CAMPUS IS LIDCOMBE.
-  APPROXIMATE WALKING TIME BETWEEN STATION AND CAMPUS 30 MINUTES.
-  BUS 915 - LIDCOMBE STATION TO CAMPUS AND RETURN. MONDAY TO FRIDAY ONLY. RIDES EVERY 7 MINUTES IN PEAK TIMES DURING LECTURE WEEKS. REDUCED NUMBER OF RIDES DURING STUDENT VACATION AND EXAMS PERIODS. APPROXIMATE RIDING TIME 4 MINUTES.
-  BUS 918 - LOOP BETWEEN AUBURN, REGENTS PARK AND LIDCOMBE STATIONS. FOR MORE PUBLIC TRANSPORT INFORMATION:
- TRANSPORT INFOLINE: (PH) 131500, OR www.131500.com.au.
- TRANSIT FIRST: (PH) 9793 2300, OR www.transitfirst.com.au
-  BUS STOPS.
-  ON ROAD BICYCLE ROUTE BETWEEN STATION AND CAMPUS. APPROXIMATE RIDING TIME 6 MINUTES. BIKE PARKING AVAILABLE ON CAMPUS.
-  DISABLED PARKING AVAILABLE ON CAMPUS.
-  LIMITED PARKING AVAILABLE ON CAMPUS. DAILY CHARGES APPLY.

Camperdown / Darlington campus map



University Buildings

06 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
06 Mechanical Engineering Building
A2 Medical Foundation Building
H8 Merewether Building
K3 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
06 Shepherd Street Carpark
L5 Stephen Roberts Theatre
K9 Storie Dixon 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 Coppelson 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

Facilities (offices)

F2 Agriculture
M6 Architecture
H3 Arts
K8 Economics and Business
G4 Education and Social Work
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 No 1
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

Faculty of Health Sciences Handbook 2006

Amendments

Amendments

Please note that the following Handbook amendments should be read in conjunction with the 2006 Handbooks as published on www.usyd.edu.au/handbooks

- ❖ All amendments are listed by item number and referenced by the page to which it refers.
- ❖ The relevant Handbook and those amendments listed below are binding and final.
- ❖ Inquiries and questions relating to the information below should be directed to the relevant faculty.

Item	Amendment	Handbook page number
1	Table 12.1 BAppSc (Medical Radiation Sciences) Pass, Diagnostic Radiography, SH 105 MRTY 2060 Radiographic Physics 2 is only available in Semester 2.	116 and 127
2	Table 12.1 BAppSc (Medical Radiation Sciences) Pass, Nuclear Medicine, SH 106 MRTY 2064 Nuclear Medicine Physics 2 is only available in Semester 2.	116 and 127
3	Table 28.1 Master of Physiotherapy (Graduate Entry Master's Program) The correct description of the unit PHTY5168 is outlined below. <i>This unit of study introduces students to more advanced assessment and treatments strategies used in the management of patients with selected musculoskeletal disorders. In this module students are taught how to assess and manage patients with chronic pain conditions in particular chronic spinal pain. Students will also practice the application of advanced manipulative procedures, including manipulation of selected peripheral and spinal joints. Students will evaluate the efficacy of these manipulative procedures, and the mechanisms of effect where known. A small module examining the roles of other health professionals in the management of musculoskeletal conditions including exposure to the chiropractic perspective is also included in this unit.</i>	337 and 355
Authorised by Karen Cheung on 18.5.2006		