



The University of Sydney

Faculty of Health Sciences
Undergraduate Handbook 2000

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Faculty semester and vacation dates 2000

Academic year information (Academic Board policy and dates 1998-2002) is available at:
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	Day	Date
First Semester lectures begin	Monday	28 February
Easter recess		
Last day of lectures	Thursday	20 April
Lectures resume	Monday	1 May
Study vacation: 1 week beginning	Monday	5 June
Examinations commence	Tuesday	13 June
First Semester ends	Saturday	24 June
Second Semester lectures begin	Monday	17 July
Mid-semester recess		
Last day of lectures	Friday	8 September
Lectures resume	Monday	9 October
Study vacation: 1 week beginning	Monday	13 November
Examinations commence	Monday	20 November
Second Semester ends	Saturday	2 December

Last dates for withdrawal or discontinuation 2000

	Day	Date
<i>Semester 1 units of study</i>		
Last day to add/delete a unit	Friday	31 March
Last day for withdrawal	Friday	31 March
<i>Semester 2 units of study</i>		
Last day to add/delete a unit	Thursday	31 August
Last day for withdrawal	Thursday	31 August
<i>Full Year units of study</i>		
Last day for withdrawal	Friday	31 March

The University of Sydney
Faculty of Health Sciences Undergraduate Handbook 2000
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The information in this handbook is subject to approval and/or change by the appropriate faculty or the University. Students should always check the accuracy of the information with faculty staff.

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Introduction

This Undergraduate Handbook is the official guide to the undergraduate courses offered in the Faculty of Health Sciences located at the Cumberland campus of the University of Sydney. The Handbook was prepared in advance of the 2000 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 are:

- Aboriginal Health and Community Development
- Behavioural Sciences
- Biomedical Sciences
- Casemix
- Child and Adolescent Health
- Clinical Data Management
- Communication Sciences and Disorders
- Community Health
- Diagnostic Radiography
- Exercise and Sport Science
- Gerontology
- Health Information Management
- Health Science Education
- Hearing and Speech
- Indigenous Community Health
- Leisure and Health (previously Diversional Therapy)
- Medical Radiation Sciences
- Medical Sonography
- Nuclear Medicine Technology
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Radiation Therapy
- Rehabilitation
- Rehabilitation Counselling
- Speech Pathology
- Vision Impairment
- Voice.

Message from the Dean

Welcome to the Faculty of Health Sciences! Whether you are a new undergraduate or returning to build on previous success, I hope that 2000 will be an important milestone towards your chosen career in the health sciences.

As an undergraduate student, you will have a number of competing priorities, all of which have their part to play in the development of your full potential as an individual. First and foremost, you have the opportunity through academic study to become highly valued members of the health science professions. The academic staff of this faculty are leaders in their field and their expertise in teaching and research is much sought after both nationally and internationally. You are fortunate to be part of a stimulating and dynamic learning environment which will provide you with an excellent start to your career. As well as this academic focus, I hope you will also take advantage of the opportunity to make life-long friendships with the people you meet along the way. Schools and a Department and the Student Guild arrange social, cultural and sporting activities and your time in the Faculty will be much richer if you are able to fit some of these things into your busy schedule.

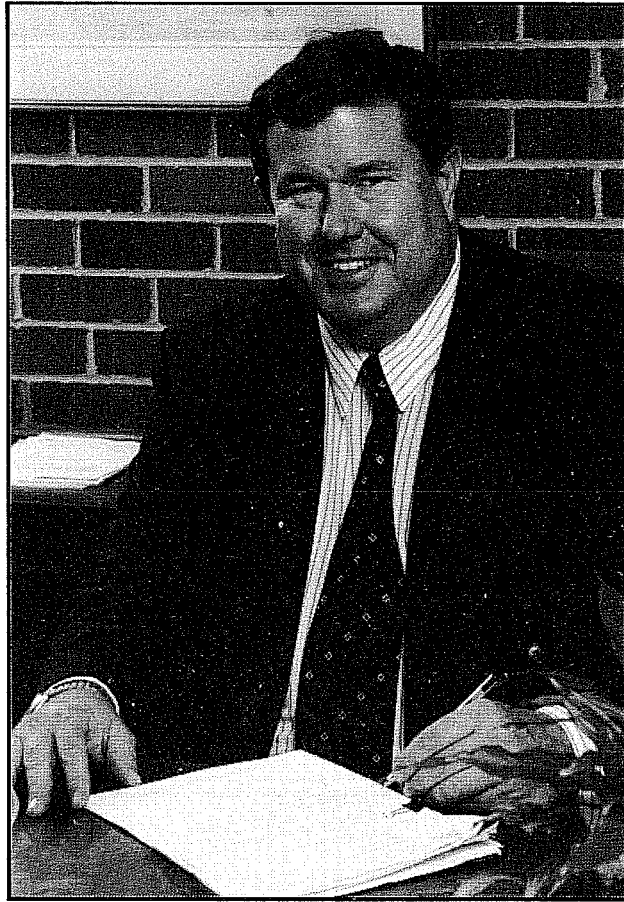
The Faculty continually reviews and improves upon the range of courses offered to cater for the need and interest of students and the expanding health science professions.

Faculty of Health Sciences staff are committed to assisting your progress through your academic program. If you are facing a particular difficulty that is affecting your progress, we would encourage you to take advantage of the wealth of support available to all beginning and established students in this faculty including the professional advice of academic staff in your School, the Student Welfare Division, Student Administration Division and the Student Guild. Additionally, for Aboriginal and Torres Strait Islander students, there is a range of dedicated support services provided by the staff of Yooroang Garang, our School of Indigenous Health Studies.

Best wishes in your academic, professional and personal journey through 2000.



Professor Hal Kendig, Dean





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Edward Caruana, BAppSc *Cumb.* AssDipMedRad *S.T.C.*

BAppSc MEd RN FCN FIR

Jill Clarke, DipAppSc GradDipAppSc *R.M.I.T* DMU

A.S.U.M. BAppSc MHLthScEd

Simon Cowell, BEd *S.C.A.E.* MEd *U.T.S.* AssDipAdultEd
S.C.A.E. CertNMTS.m

Barrie Egerton, MSc *Salf.* BSc *Wales*

Jane Fonda, CertRad *R.M.I.T.* DMU *ASUM* BAppSc

Peter Kench, BAppSc GradCertHlthScEd

Elisabeth Kilburn-Watt, BSc BA *Tor.* MA *Macq.*

Ann Poulos, BA *Macq.* DipRad *U.K.* DipEd *Macq.*

Marianne Rinks, BEd *U.T.S.* CertRad *S.T.C.*

John Robinson, CertRad *S.T.C.* BAppSc

Natalka Suchowerska, BSc *Aston* MAppSc *U.T.S*

Associate Lecturers

Jocelyn Barnes, BAppSc GradCertHlthScEd

School of Occupation and Leisure Sciences

Head of School

Associate Professor Gwynnyth M. Llewellyn, BA Med
DipContEd *N. E.* Dip OT PhD

Honorary Associates

Lynne Adamson, BAppSc(Occ Ther) *Lincoln*
MAppSc(OccTher)

Danielle Lord, BAppSc(Occ Ther)
Colleen Mullavey-O'Byrne, MA *Macq.* DipOT ATCL
Senior Lecturers
Christine J.Chapparo, MA *Macq.* DipOT, OTR FAOTA
Maureen H. Fitzgerald, BIS *CM. U.* PhD *Hawaii* RN
Jane E. Gamble, BAppSc (OccTher) *Lincoln* MHPEd
U.N.S.W.
Lecturers
Laurence V. Bathurst, MA Leisure Studies *UTS* AssocDipDT
Cumb. GradDip Leisure Mgt *U.T.S*
Ruth O. Beltran, BSOT MA *UP.*, OTRP
Catherine E. Bridge, BAppSc *Cumb.* MCogSc *UNSW*
Philip W. Chan, MAppSc *Curtin* DipOT TDipCOT *Brit.* RN
AIM
Lindy Clemson, BAppSc *WAITDipOT U.N.S.W.* MAppSc
Harold E. Davey, BA BEd *Melb.* MA (Educ) *Lond.*
Michelle Donnelly, BAppSc *Cumb.* MA *Macq.*
Susan D. Griffin, BAppSc (OT) *Cumb.* MA(Hons) *U.N.S.W.*
PhD *W'gong* GradDip (AppBehSc) *Cumb.*
Anne M. Hillman, BAppSc (OT) *WAIT*
Jill Hummell, MA *Macq.* DipOT
Eveline J. Innes, BAppSc (OT) *W.A.I.T.* MHPEd *U.N.S.W.*
Brett O'Neill, BAppSc *Cumb.* MA *Macq.* DipRM
Judy L. Ranka, BSc (OT) *W.Mich.* MA *Macq.* OTR
Charlotte Smedley, MA *UTS* MSc 5 ion DipOT *Lond.* CQSW
N'clefU.K.)
Ruth Sugden, BOccThy *Qld.* SROT (UK) *AIGA*
GradDip(Couple Therapy) *AIRS*
Robyn L. Twible, MA *Macq.* DipOT
Associate Lecturers
Regina Osten B AppSc(Occ Ther)
Peter Williamson BAppSc(Occ Ther)
Associate Lecturers (Research only)
Anne Honey, BEdon *Macq.* BAppSc(Occ Ther)
David McConnell, BAppSc(Occ Ther)
Kirsty Thompson, BAppSc(Occ Ther)
Special Projects Officer
Cheryl Bates, DipTeach (Nursing) *S.C.A.E.* RN CM

School of Physiotherapy

Head of School
Associate Professor Jack Crosbie, MSc PhD *Strath*
GradDipPhys *Glas.* DipTP *Edin.*
Professor
Professor Joy Higgs, BSc MHPEd PhD *U.N.S.W.* GradDipPhy
Cumb. Appointed 1994
Associate Professor
Nicholas O'Dwyer, BA *Dublin* MA *U.Coll.Dublin* PhD
U.N.S.W.
Honorary Associates
Roberta B. Shepherd, MA EdD *Col.* DipPhy, FACP
Janet H. Carr, MA EdD *Col.* DipPhy, FACP
Senior Lecturers
Louise Ada, BSc PhD *U.N.S.W.* MA *Col.* GradDipPhy *Cumb.*
Roger Adams, BA *Adel.* PhD *U.N.S.W.*
Jennifer Alison, DipPhy MSc *Lond.*
David Beard, MSc *Lond.* DPhil *Oxf.* GradDipPhys *Nott.*
Elizabeth R. Ellis, BSc *U.N.S.W.* MSc *Boston* GradDipPhy
Cumb. PhD
Elizabeth C. Henley, BSc *MUN.* BPT *McG.* MCISc *W.Ont.*
Sharon L. Kilbreath, BScPT *Qu.* MCISc *W.Ont.* PhD *U.N.S.W.*
Raymond Lee, MPhil *H.K.* Poly. PhD *Stratclyde*
Christopher Maher, BAppSc GradDipAppSc(ManipPhy)
GradDipAppSc(ExSS) *Cumb.* PhD
Elfreda D. Marshall, BAppSc *Lincoln* GradDipPaedPhy
Cumb. MPH
Kathryn M. Refshauge, MBIomedE PhD *U.N.S.W.* DipPhy
GradDipManipTher *Cumb*
Lecturers
Robert A. Boland, BAppSc GradDipAppSc(ManipTher)
Cumb.
Jane Butler, MEd *U.N.S.W.* DipPhy *Auck.*
GradDipAppSc(PaedPhy) *Cumb.*

Colleen G. Canning, BPhy *Qld* MA *Col.*
Cathy Dean, BAppSc *Cumb.* MA *Col.* PhD
Virginia Fowler, BAppSc *Lincoln* MAppSc(Phy)
Carolyn Gates, MAppSc(Phy)
Robert D. Herbert, BAppSc *Cumb.* MAppSc
Cheryl Hobbs, MAppSc *S.Aust.* DipP&OT *Tor.*
GradDipMgtHlthSciences *S.Aust.*
Adrienne E. Hunt, MBIomedE *U.N.S.W.* GradDipPaedPhy
Cumb.
Gwenda F. Lansbury, BAppSc *Lincoln* BA *Monash* MCH
U.N.S.W.
Dale Larsen, BAppSc GradDipManipTher *Cumb.*
MAppSc(ManipPhy)
Jane Latimer, BAppSc *Cumb.* GradDipAppSc(ManipPhy)
PhD
Martin Mackey, BAppSc *Cumb.* MSafSc *U.N.S.W.* BEC
Lyndal Maxwell, BAppSc(Phy) *Lincoln*
GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phy)
Bredge McCarren, BSc *U.N.S.W.* GradDipPhy *Cumb.*
GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phy)
Grant McCormick, DipPhy GradDipManipTher *Cumb.*
MHScEd
Leslie Nicholson, BAppSc GradDipAppSc(SportsSc)
GradDipAppSc (ManipPhy) *Cumb.*
Eva Schonstein, BAppSc *Cumb.* MHPEd *U.N.S.W.*
Debra Shirley, BSc *U.N.S.W.* GradDipPhy
GradDipManipTher *Cumb.*
Karyn Whelan, BAppSc *Cumb.* MAppSc
Vicki K. Williams, BAppSc *Cumb.* MEd *U.N.S.W.*
Associate Lecturers
Genny Dwyer, BAppSc (Phy) *Cumb* GradCert(AdultEd) *N.E.*
GradDipAppSc(PaedPhy-Hydro) *Curtin* MAppSc(Phy)
Joanne Munn, BAppSc(Phy)
JanNaughton, VA *A.N.U.* BAppSc(Phy) *Cumb.*
GradDip(Spt.Med.) *Lond.*
Mark Stewart, BAppSc (Phy)
Academic Program Administrator
Ayanthi Salgado, LLB *Sri Lanka* MA(Int.Rel) Dip(Int.Aff)

Yooroang Garang: School of Indigenous Health Studies

Head of School
Kathleen Clapham, BA PhD
Senior Lecturer
Freidoon A. Khavarpour, BA *Pahlavi* MA PhD *Mich.*
Lecturers
Angela Dawson, BA *Cant.* MA *Lond.*
Elizabeth Devonshire, RN ICUCert DipAromotherapy
MHlthScEd
Sally Farrington, BSc MHPEd *U.N.S.W.* GradDipPhy *Cumb.*
Bruno A. Gelonesi, MA *Macq.* GradDipEdSt *Nepean* C.A.E.
John Grootjans. BSc *Cumb.* MSc *W.Syd.* DipEd RN
John Maskall, BA *Deakin* BEd *JUC* GradDip(Arts) MEd
S.Aust.
Shane Merritt, BA *N.E.* MA (Psych)
Susan Page, BA *U.N.S.W.* RN CM
Associate Lecturers
Alison Craigie-Huggins, BA *Deakin*
John Parsons, BA(Ed) *Deakin*
Shayne Williams, BEd(Adult&Comm.Ed) MEd(AdultEd)
Dip(Adult&Comm.Ed) *UTS*
Marie Taylor, BSc *NZ.*
Research Fellow
Kristie D. DiGregorio, BA *Trinity* M(Ed) PhD *Northwestern*
Technical Staff
Dean Williams, Dip (Graphic Design)
Administrative Officer
Christine Yorkston

Centres

Australian Stuttering Research Centre

Director

Associate Professor Mark Onslow, MAppSc *Cumb.* PhD

National Voice Centre

Director

Associate Professor Pamela J. Davis, LACST PhD *U.N.S.W.*

Associate Professor Dianna T. Kenny, MA *Macq.* BA PhD
DipEd

Rehabilitation Research Centre

Director

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

Research Fellow

Terry Ly, PhD *U.N.S.W.* BVSc

Jacqui Raymond, BAppSc (HM) GradDipSci *W'gong* PhD

Cumberland Health and Research Centre

Director

Sharon Bent, BAPsych *W'gong* MPsych(App) *U.N.S.W.*
MAPsS

Administration Manager

Beatrice A. Gill

Reception

Reception Services Co-ordinator

Neryl Clarke

Receptionists

Lycy Brombal

Anne Gardener

Myra Richards

Occupational Health Unit

Unit Manager

Roxanne Kitchener, BHMS(Ed) QWMOHS *U.T.S.*

Administrative Assistants

Elizabeth Conyard

Karen Thompson

Audiologists

Janette Brazel, BA *A.N.U.* GradDipAud *Macq.*

Greg Nicoll, BE(Electrical) *U.N.S.W.* GradDipAud *Macq.*

Occupational Physician

Tom Rosenthal, MBBS FAPOM OccPhys

Occupational Therapists

Rob Hardy, BApp Sc (Occ Ther)

Lynn Kay, BOccThy

Physiotherapist

Moirra Finch, DipPhys

Psychologists

Fiona Green, MAPsych MAPsS

Thomas O'Neill, BA MCLinPsy *Macq.*, MAPsS

Rehabilitation Counsellors

Anne-Maree Brookes, BHlthSc(RC)

Margaret Elken, MRehabClnG DipPhy

Indira Seneviratne, MBBS *Ceyl.* GradDipRehabClnG DFM
MASRC

Specialist Trained Driving Instructors

Shona Blanchette, Dip PhysEd TETC

Dean McMillan

Marc Donnelly

Health Clinic

Consulting Medical Practitioner

Dr James S. Harrison, MBBS

Consulting Orthopaedic Surgeon

Martin R. Sullivan, FRACS

Consulting Orthoptists

Pierre Elmurr, BAppSc (Orth) DOBA

Neryla Jolly, MA *Macq.* DOBA *T U.K.*

Consulting Physiotherapists

Karen G. Ginn, BSc MHPEd *U.N.S.W.* DipPhy

GradDipManipTher *Cumb.* DipTertEd *N.E.*

Terry O'Grady, BPhy HMS *Qld MAPA*

Consulting Podiatrist

Susanne Olsen, AssDipPod MA(Pod)

Consulting Masseur

Peter Butler, DTM

Continuing Professional Education and Conference Unit

Acting Program Coordinator

Wayne Fulford, BSc *UWA* BEd *WAIT MPH Curt*

Administrative Assistant

Margaret Maroki-Badal

National Centre for Classification in Health

Director

Associate Professor Rosemary Roberts, BA MPH MBA
Monash

Associate Director/Coding Services Manager

Kerry Innes, AssocDip (MRA) *Cumb.*

Coding Services Coordinator

Michelle Bramley, BAppSc (HIM)

Project Officers

Linda Best, AssocDip (MRA) *Cumb*

Francine Brownlow, BA(Hlth Mgt-Information) RN

Tiffany Chan, MOperations Mgt *W.Syd.* BAppSc(HIM)

Megan Cumerlato, BAppSc (HIM)

Judith Hooper, BAppSc (HIM)

Allison Lawer, BAppSc (HIM)

Patricia Saad, BAppSc (HIM)

Publications and Technology Manager

Rodney Bernard, Grad Dip in Design Studies *U.T.S.*

Publications Officer

Chantel Garrett

Project Officer-Specialty Booklets

Monica Komaravalli, BAppSc (HIM)

Publications Assistant

Elizabeth Azel

Education Manager

Karen Peasley, AssocDip(MRA) *Cumb.*

Consultant

Gay Lysenko, AssocDip (MRA)

Margie Luke, AssocDip (MRA) *Cumb*

Andrea Groom, AssociDip (MRA) *Lincoln*

Information Systems Officer (Acting)

Nicole Schmidt, AssocDegAppSc (Resource Tech.) *S.Cross*

Database Administrator (Acting)

Catherine Stanhope

Quality Manager*

Dianne Williamson, BAppSc(MRA) GradDip(Erg) *Lincoln*

Senior Quality Officer*

Irene Kearsey, BAppSc(MRA) *Lincoln* MA(Archives &

Records) *Monash* GradDip(Hlth Admin) *Lincoln*

Project Manager, Professional Relativities Study

Lauren Jones, BAppSc(MRA) *Cumb.*

Executive Officer

Christine Erratt, BBus(Accounting) *U.T.S.* AssocDip(MRA)
Cumb.

Research Officer

Donna Truran, BA Psych

Administrative Assistants

Linda Maleszka

Imelda Noti

Emily Ridgway

Tina Stanhope

located at the School of Public Health, La Trobe University

Administration

Campus management

Campus Manager

Hugh V. Brandon, BComm *W'gong* CPA

Secretary to the Campus Manager

Maureen Marchant

Building and Grounds Division

Head

Phillip Sorbello

Project Manager

John Sommers

Senior Works Supervisor

Andy Galloway

Biomedical Engineer

John Eisenhuth, BAppPhys *N.S.W.I.T.*

Grounds Manager

Brian Crick

Information Technology Services Division

Head

Prakash Chordia, MSc(Tech) BITS *Pilani*

Operations Supervisor

Glenn Russell

Network Manager

Robert West, BSc

PC Support

Michael Chang, BSc(Civil Eng.) *Taiwan* Dip of

Computer.TechS.rC.

Bala Muraleetharan, BSc (Computing) *W.Syd*

Property Services Division

Head

Sharon Vaughan

Assets Manager

vacant

Security Manager

Bruce Murray

Mail/Records Manager

Linda Thompson

Residential Manager

Sharon Vaughan

Purchasing and Production Services Division

Head

Ian McAulay

Purchasing Officer

Greg Gaal

Printing Manager

Dianne Gillespie

Student Administration Services Division

Head

Anita Olga Anderson, B A *Adel.*

Undergraduate Officer

Linda Dewar

Graduate Officer

Bharati Jayachandran

Examinations Officer

Eileen Logan

International Student Officer

Nancy Chin

Student Welfare Services Division

Head

Andrea Chan MA *NZ* MA *ANU* PhD *RS* ACertTEFLA

GradDip *MLT*

Academic and Communication Skills Tutors

Rosalie Thomson BA *NE* LicDip *S&D* GradDipSC *W.Syd.*

MA *GradCert*TESOL

Marie Clugston BA *MLitt* MA *DipContEd* *NE* PhD *RSA*
CertTEFL

Tutor/International Student Advisor

May Thet Tun, MA *Mandalay* MA(TEM) GradDipMacg.

Student Counsellor

Julie Grove, BA *BPsych* *W.Aust* MAPS

Health Sciences Library

Health Sciences Librarian

Helen Mary Knight, DipLib *U.N.S.W.* BA

Senior Librarian

Stephen T.K.Chan, BSocSc *H.K.* MBA *U.T.S.* DipLib

U.N.S.W. AALIA

Librarians

John Paul Cenzato, BA *U.N.S.W.* GradDipLibSc *K.C.A.E.*

Garry Hamilton, BA DipIMLib *U.N.S.W.* AALIA

Kushum L. Karan, BA(LIS) *C.C.A.E* AALIA

Dorothy Kass, BA DipLib. *U.N.S.W.* DipEd AALIA

Dawn Payoe, BSc(Econ) *Lond.* GradDipLibSc *K.C.A.E.* ACIS

AALIA

Elaine Y. L. Tarn, BEd *Nott.* MLib. *U.N.S.* MTeach. Cert. *H.K.*

DipIMLib

Personnel

Personnel Manager

Melody Newman

Senior Personnel Officer

Ramen Chetty

Personnel Officers

Marilyn Croft

Alan Frost

Jan McGregor

Note

Unless otherwise specified, the qualifications listed are from the University of Sydney.

Guide to the Faculty

History

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

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

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

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

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

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

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

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

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

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

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

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

Objectives

The primary objectives of the Faculty are:

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

The supporting objectives are:

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

Academic Governance

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

Constitution of the Faculty of Health Sciences

1. The Faculty of Health Sciences shall comprise the following persons:
 - a) the professors, associate professors, heads of schools/ departments, readers, principal lecturers, senior lecturers, lecturers and associate lecturers who are full-time or fractional (50% or greater) permanent or temporary (contract) members of the teaching staff of the schools and departments placed under the supervision of the Faculty of Health Sciences;
 - b) the Deans of the Faculties of Arts, Medicine, Nursing and Science or their nominees and the Head of the Department of Social Work and Social Policy or nominee;
 - c) not more than five students enrolled as candidates for undergraduate degrees or diplomas offered by the Faculty, and one student enrolled as a candidate for a postgraduate degree or diploma offered by the Faculty elected in a manner prescribed by resolution of the Senate;
 - d) full-time and fractional (50% or greater) permanent or temporary (contract) members of the research staff of the Departments, Schools and Centres of the Faculty who are appointed as Research Fellow and 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 Chair of the Faculty;
 - f) the Health Sciences Librarian and the Head of Student Administration;
 - g) four persons, being members of the staff of the Cumberland campus who in the opinion of the Faculty, have a close and appropriate association with its work of teaching and research.
2. The Faculty shall encourage teaching, scholarship and research in the Departments, 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 one department (Biomedical Sciences) and nine professional schools:

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

The Faculty's administrative structure comprises eight divisions:

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

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

Centres

The Cumberland Health and Research Centre

The Cumberland Health and Research Centre is the commercial arm of the Faculty of Health Sciences, bringing together the Faculty's resources and research facilities to provide a comprehensive range of quality health services.

Cumberland Health and Research Centre is the place where research, theory and practical experience combine. Knowledge and expertise developed within the University are coordinated by professionals with many years of practical experience in health care. A multidisciplinary team provides a variety of programs for business, sports people and the general community including:

- Continuing Professional Education Unit
- Corporate Health
- Driver Rehabilitation
- Exercise Rehabilitation
- Health Clinic
- Hearing Rehabilitation
- Occupational Health and Rehabilitation
- Psychological Services
- Staff/Student Health

The team includes occupational therapists, physiotherapists, exercise physiologists, psychologists, driving instructors, health promotion specialists, audiologists, doctors, radiologists, orthoptists, dietitians, masseurs, specialist physicians, orthopaedic surgeons and rehabilitation counsellors.

Cumberland Health and Research Centre is administered by a Board of academic members of the University of Sydney. The Board includes the Head of each School/Department within the Faculty of Health Sciences plus invited specialists. Individual programs are coordinated by health professionals regarded as leaders in their fields.

Australian Stuttering Research Centre

This Centre of 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 Voice Centre

The National Voice Centre is a University Centre involving principally the Faculty of Health Sciences with support from the Sydney Conservatorium of Music and other faculties of the University as well as community groups. It is dedicated to excellence in the art, care and science of voice.

The research mission is to perform state of the art research in all aspects of voice and wind instrument performance and to provide postgraduate supervision for students enrolled in the National Voice Centre.

The community access program aims to bridge the gap between voice research and professional voice users. Leading academics and voice practitioners from around the world are invited to present workshops, masterclasses and lectures to the wider voice community, providing professional development to speech pathologists, singers, actors, voice teachers and the business world.

Postgraduate research programs offered include Master of Applied Science and Doctor of Philosophy.

Current research projects include breathing in singing and speech, counter tenor voice, emotional expression in speech and song, neural mechanisms in vocal control, performance anxiety in speaking, physiology and acoustics of singing, speech pathology and acting, the development of physiological based models of singing voice production, the physiology and acoustics of the flute playing, therapeutic effects of singing and ultrasonography of respiratory muscle activity.

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.

National Centre for Classification in Health (NCCH) Sydney

Established by the Faculty's School of Health Information Management in 1994, and funded by the Commonwealth Department of Health and Aged Care, the NCCH (Sydney) is a centre of expertise in classifications of morbidity, mortality and health interventions. Formerly the National Coding Centre (NCC), a joint agreement between Queensland University of Technology and the University of Sydney in early 1997 resulted in the new NCCH, with sites in both Sydney and Brisbane. The NCCH is responsible for the publication of the WHO-based clinical classifications ICD-10-AM (Australian Modification) and ICD-9-CM.

The objectives of the Centre include:

- Develop and publish classification systems for use in Australian and New Zealand health services and apply international standards for classification.
- Recommend national standards for classifications in health to all Commonwealth, state and territory health authorities, the Australian Institute of Health and Welfare (AIHW) and the Australian Bureau of Statistics. Primarily, these include classifications of diseases and procedures used to reflect morbidity, mortality and health interventions.
Work with AIHW to fulfil its function as WHO Collaborating Centre for Classification of Disease in Australia and the Western Pacific Region.
- Develop and promote standards of coding practice, including ethical practice, and advise on coding issues.
- Produce, publish and disseminate information on national coding issues and health classifications.
- Plan, prepare and present regular national and international education programs on coding and coding standards.
- Support the application of a national accreditation system for clinical coders.
- Develop quality improvement processes relating to documentation and coding of morbidity and mortality data.
- Organise mechanisms for independent review of coding quality, including development of coding quality indicators.
- Conduct research relating to classification in health.

WHO Regional Collaborating Centre for Rehabilitation

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

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

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

Inter-institutional agreements

The Faculty has developed links with the following institutions:

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

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

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

Undergraduate courses

General admission requirements

The courses offered by the Faculty are in the general field of the health sciences. The following details are a guide to the admission requirements of the University. They indicate the minimum requirements for admission but do not ensure admission to the course.

While there are no specific subject prerequisites for entry to any course, some courses assume a knowledge of particular HSC subjects. Bridging courses are available for students lacking the specified background knowledge.

Students are strongly advised that all courses are presented on the assumption that you possess a high level of competency in English. This is particularly the case in respect of clinical education/field experience subjects. Practising health professionals require a high level of verbal and written communication skills in order not to place any client/patient at risk. The Faculty is sufficiently concerned about this area of skill development that students may be encouraged to take advantage of relevant support programs offered in the University.

Generally, applicants for admission to the undergraduate courses are considered on the basis of the New South Wales Higher School Certificate or equivalent. The University also considers applications from applicants with a tertiary record, and suitably qualified international applicants.

The Faculty supports a special entry scheme to assist in meeting the health needs of the State's multicultural society. The Faculty also recognises that Aboriginal students have unique talents and special needs, and special entry provisions have therefore been approved for Aboriginal students seeking entry to Faculty courses.

Specific provisions relating to Admission and Enrolment are contained in the University Calendar, By-Laws Chapter 10 and Resolutions of Senate. Particular enquiries should be directed to Student Administration (Cumberland).

Students applying on the basis of the NSW Higher School Certificate (or interstate equivalent)

Applicants for admission to the University must comply with the requirements of the NSW Board of Studies for the awarding of a Higher School Certificate and the requirements for calculation of a Universities Admission Index (UAI).

The subjects listed in the University Calendar and such other subjects as may be approved by the University, from time to time, shall be recognised for admission.

While there are no specific subject prerequisites for admission to any undergraduate courses in the Faculty of Health Sciences, applicants are advised that not all 2 unit general or 2 unit Z courses are appropriate preparation for tertiary study.

The University reserves the right to alter Higher School Certificate admission criteria.

Admission based on a tertiary record

If you have attended a recognised tertiary institution and have completed one full-time year (or the equivalent part-time) of an Associate Diploma, Diploma, Bachelor's degree or higher qualification, you will be considered for selection on the basis of your secondary and tertiary studies. Applicants with a tertiary record may also be required to complete a questionnaire and/or attend an interview.

Failure and Exclusion

Failure at tertiary study will reduce your chances of being selected. If you have been excluded from University study you will not be considered for admission unless you have completed a successful period of study at degree level subsequent to the exclusion or you have provided the University with a suitably documented explanation of the circumstances of your exclusion (see below).

Special consideration for admission for applicants with tertiary study

If you have a record of failure and/or exclusion at tertiary study or you believe your studies have been affected by circumstances beyond your control, you must apply for Special Consideration for Admission.

For an application form please contact the University's Admissions Office, phone (02) 9351 4117/4118. Submit the application form and all supporting documentation to the Admissions Office by 30 November 2000.

Overseas qualifications

Applicants with qualifications obtained overseas should contact the Admissions Office to discuss their eligibility. If the qualifications were obtained from countries where English is not the standard medium of instruction and/or your first language, you will be required to provide evidence of proficiency in the English language.

Mature Age entry scheme

To be eligible to apply as a mature age applicant, you must be at least twenty-one years of age by 1 March of the year of your entry to the University. In most cases it will be necessary to have completed an approved preparation course such as the Tertiary Preparation Certificate, Limited UAI, Special Admissions Preparation course or University Preparation Program. The preparation course must include the "assumed knowledge" subjects for the course(s) you are applying to enter.

Mature age applicants must not have a previous tertiary record of one full-time year or more (or part-time equivalent) at Associate Diploma or higher level or a UAI (or equivalent interstate or overseas qualifications) that will enable you to compete for a place.

Educational access schemes

The University administers two schemes (described below) for applicants who have experienced long-term disadvantage. You may apply for either the *Broadway Scheme* or the *Educational Disadvantage Admission Scheme* - you cannot apply for both.

Some of the types of disadvantage considered under both schemes are financial hardship, English language difficulties, difficult home study conditions, illness, disability, family illness and family relationship problems.

Approval under these schemes does not guarantee admission, but does allow successful students to compete for a place with a UAI below the course cutoff.

Broadway Scheme

The Broadway Scheme is intended for current Australian Year 12 students who are eligible to receive a UAI or equivalent for the first time in 2000.

You may apply for the Broadway Scheme if

- You are attempting a standard 2000 Australian Year 12 and
- You can demonstrate that your educational performance has been affected by circumstances beyond your control for a period of 12 or more months.

Note: applicants normally must present two types of disadvantage to be eligible for consideration under this scheme.

Educational Disadvantage Admission Scheme

The Educational Disadvantage Admission Scheme is intended for applicants who have not undertaken any tertiary studies and who will receive a UAI or equivalent in the current year's HSC.

Applicants for this scheme only require a single type of disadvantage, but it should be noted that this scheme is only for extreme cases of disadvantage.

How to apply

For more information about the Broadway and Educational Disadvantage Admission schemes read the Educational Access Schemes (EAS) booklet produced by UAC. The booklet includes an EAS application form.

EAS booklets are available from UAC or Student Centres at participating Universities. If you are a current Australian Year 12 student you can obtain a copy of the booklet from your school or TAFE college.

Note that you can apply for either the Broadway Scheme or the Educational Disadvantage Admission Scheme, but not both. EAS application forms must be lodged with UAC no later than 30 September each year.

For further information about these schemes contact the Special Admissions Office, phone (02) 9351 3615.

Rural Students Entry Scheme (Physiotherapy)

If you sat for an Australian Year 12 examination in either 1999 or 2000, completed all your secondary education at a rural school, and have never attempted tertiary studies, you may apply under the School of Physiotherapy's Rural Students Entry Scheme. Under this scheme you may be admitted if your UAI is not more than 5 points below the Main Round UAI cutoff.

In addition to lodging an application with UAC, you must complete an application form for the Rural Student Entry Scheme and return it to the Faculty by 30 November. For more information about this scheme, please phone (02) 9351 9378 or (02) 9351 9280.

Multicultural Entry Scheme

For students from non-English speaking background

Recognising the need to increase the number of health professionals with the linguistic skills and cultural backgrounds that will assist them to deal with the needs of non-English speaking persons in the Australian community, the Faculty of Health Sciences will offer up to 5 per cent of places to 2000 NSW HSC students who have appropriate language skills and an understanding of the needs of community groups with English as a second language.

Applicants for entry under the scheme are required to sit for an externally assessed test for which a fee is payable. For further information contact Student Administration (Cumberland), phone (02) 9351 9161.

The closing date for applications is the last Friday in October each year.

Vocational Entry Scheme

For courses which are vocationally oriented, completion of relevant TAFE courses and/or work experience may be taken into consideration. Applicants for entry under this scheme must submit a written application to the Faculty, in addition to the UAC application, by 30 November each year.

Australian Aboriginal and Torres Strait Islander Students

The Cadigal program is an access and support program for people of Australian Aboriginal and Torres Strait Islander descent wishing to study in undergraduate courses. Up to 5% of places within the Faculty will be made available to suitable Australian Aboriginal and Torres Strait Islander applicants.

Students who wish to apply for entry through this program should lodge the normal application through UAC and also lodge a Cadigal application on the form available from Yooroang Garang: School of Indigenous Health Studies, Faculty of Health Sciences, or the Koori Centre, University of Sydney.

Cadigal applicants currently undertaking year 12 will be eligible for consideration for admission upon completion of the NSW Higher School Certificate (or equivalent) with the minimum UAI as set by the Cadigal Program for the course applied for. Non-HSC applicants will be eligible for

consideration for admission upon completion of an approved tertiary preparation course (including any 'assumed knowledge' subjects relevant to the course of study applied for) completion or partial completion of an accredited course at a tertiary institution or demonstration of, to the satisfaction of the Admissions Committee, a capacity to succeed in course work at university level.

Students entering courses under the Cadigal Program may participate in the Aboriginal Health Science Support Program, which is coordinated by Yooroang Garang. The support provided under this program includes the following options:

- preparatory/bridging units in biological sciences, numeracy and tertiary study skills
- supplementary tutorial assistance in biological sciences, behavioural sciences and professional studies
- study skills assistance
- provision to do the first year of a course over two years.

Yooroang Garang supports all Aboriginal and Torres Strait Islander students on campus by providing a separate study area, common room and cultural and academic support.

Special cases

On the recommendation of the head of school/department, the Faculty may, in special cases, recommend an applicant for admission even though the applicant has not complied with the requirements set out above, and in so doing, may prescribe the completion of certain requirements before confirming the applicant as being eligible for admission.

Additional selection criteria

In addition to the above requirements, any applicant may be required to attend the Faculty for an interview and/or complete a questionnaire.

Behavioural and Biomedical Sciences

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 subjects are normally made up of three strands: psychology, sociology and research methods.

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

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

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

Biomedical Sciences

Biomedical Sciences subjects 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 are emphasized.

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

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

Knowledge expected of commencing students

In pursuing any biological science or applied science course at university level, a basic knowledge of biology/physiology, chemistry, mathematical or physics concepts is essential to an understanding of theories of structure and function of the human organism. Rather than define specific mathematics and science subjects as 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 or Rehabilitation Counselling.

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

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

Biology

(relevant to all students)

Although no prior knowledge is expected, an understanding of the basics of biology would be beneficial to students undertaking subjects with a physiology component. Introductory physiology subjects cover topics which are part of most high school biology courses. For students who feel that their understanding of biology is inadequate, a physiology bridging course is offered before the start of the first semester.

Chemistry

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

- Understanding of the following concepts and terms: atom, subatomic particles (proton, neutron, and electron), periodic table, electronic configuration, ions, covalent, and ionic bonds, electronegativity and shape, metals and non-metal.
- Knowledge of the names and chemical symbols of the first thirty-six elements of the periodic table, and other common elements.

- Knowledge of the following concepts and terms: types of compounds such as acids, bases, 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.

Grammar

(relevant to Speech Pathology plus Hearing and Speech)

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

Mathematics

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

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

Physics

(relevant to Medical Radiation Sciences, Physiotherapy and Orthoptics)

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

Bridging courses

Bridging courses are offered on Cumberland campus in Chemistry, Biology, Physics, and Grammar (for Speech Pathology and Hearing and Speech students only). These courses are recommended for undergraduate students who feel that they have not attained the required level of assumed knowledge described above. Bridging courses are also offered in *English for Academic Purposes*, and in *Academic and Communication Skills* for both undergraduates and

postgraduates. These are especially relevant for students from non-English speaking backgrounds, special entry students, and mature-age students returning to study after a long absence.

Bridging courses are held in February each year, approximately two weeks prior to commencement of semester one.

In addition, a four-week full-time *Study Preparation Program* is offered to newly enrolled international students in January/February. Australian residents who have no previous tertiary study in Australia are also eligible to enrol in the *Study Preparation Program* which prepares students for academic study in an Australian health sciences context.

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.

The Mathematics Learning Centre (Camperdown campus) provides assistance to students needing to improve mathematical skills.

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

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

Prizes and scholarships

The University acknowledges with gratitude gifts from various sources which have made possible the prizes listed in Table 3.1.

Financial assistance

Youth allowance

Students who are under 25 when *first* seeking an allowance from Centrelink may be entitled to Youth Allowance. Eligibility is based on income and assets tests applied to parents (or, if married, to partner) as well as to the individual's own income and assets. Students may be assessed without regard to parental or partner income and assets tests if they qualify as independent. Students must be full-time - ie, have a HECS weighted subject load in *each* semester of at least 0.375. An additional Rent Assistance benefit may be available for students living away from home for study purposes.

Austudy

Students who are 25 or over and full-time students may be entitled to Austudy, which is different from the old AUSTUDY. Eligibility is based on income and assets tests applied to the student's situation and, where appropriate, to their partner's. Students must be full-time - ie, the same 0.375 measure applies as for Youth Allowance, but in some circumstances a reduced semester load as low as 0.332 may

apply. You will need to discuss this with the Guild Resource Officer to ensure retention of Austudy.

ABSTUDY

Similar conditions apply as to Youth Allowance and Austudy, although there is no age division.

Finding out more

The Guild Resource Officer on Level 3 of the Guild Building has a supply of forms and information handouts which are available on request. The officer is also an expert on Youth Allowance and Austudy and advises on all aspects of the schemes.

Youth Allowance, Austudy and ABSTUDY are administered by the network of Centrelink Offices across the state, on behalf of the Department of Family and Community Services, under Social Security legislation. You may choose to contact your nearest Centrelink Office for forms and assistance.

Loans

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

Loans are available to students who are Australian citizens and permanent residents to help with essential living expenses (housing bonds, rent, household bills, emergencies) and study expenses (text books and equipment, clinical placements and thesis production). Interest free loans are also available to both full-time and part-time students to cover compulsory subscriptions payable on enrolment. These loans are repayable by 30 April.

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

Students seeking assistance from the fund should obtain an application form from Student Welfare Services (Cumberland). The maximum amount of the loan is normally \$500, with an interest free period of twelve (12) months. (Non-award students are ineligible to apply for assistance from the fund)

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, department 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 department, schools and centres are:

STUT	Australian Stuttering Research Centre
BIOS	Department of Biomedical Sciences
VOIC	National Voice Centre
REHB	Rehabilitation Counselling
REHA	Rehabilitation Research Centre
ORTH	School of Applied Vision. Sciences
BACH	School of Behavioural and Community Health 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
AHCD	Yooroang Garang: School of Indigenous Health Studies
SING	Singapore Institute of Management

As part of the transition to the University's new Student Information System, this Handbook also contains the old 'subject' codes.

Table 3.1: Prizes and scholarships

Award or prize	Value	Criteria
School of Applied Vision Sciences		
The John Pockley/Patricia Lance Prize	\$100	Awarded to the student with the highest general proficiency demonstrated in the Bachelor of Applied Science (Orthoptics) course.
The Orthoptic Association of Australia, NSW Branch Prize	\$150	Awarded to an honours student gaining the highest marks in the Bachelor of Applied Science (Orthoptics) Honours course.
School of Communication Sciences and Disorders		
The NSW Branch of the Speech Pathology Association of Australia Prize	\$200	Awarded to the student with the highest general proficiency in the final year of the Bachelor of Applied Science (Speech Pathology) course.
The Private Speech Pathologists' Association of NSW Prize	\$100	Awarded to the student with the greatest clinical proficiency during the final two years of the Bachelor of Applied Science (Speech Pathology).
The Private Speech Pathologists' Association of NSW Master Thesis Prize	\$100	Awarded to a student for a Master's thesis of outstanding merit in the School of Communication Sciences and Disorders.
School of Exercise and Sport Science		
The Gatorade Prize	\$250	Awarded to the third year student with the highest aggregate marks in the units <i>Biochemistry of Exercise, Exercise Physiology I, II and III</i> 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 <i>Quantitative Biomechanics, Sports Biomechanics I and II</i> in the Bachelor of Applied Science (Exercise and Sport Science) course.
The Sports Medicine Australia (NSW) Prize	\$100*	Awarded to the third year student with the highest aggregate marks in the Bachelor of Applied Science (Exercise and Sport Science) course. Those continuing to Honours are eligible. (*plus 1 year membership of Sports Medicine Australia)
School of Health Information Management		
The Hilda Roberts Memorial Prize	\$100	Awarded to the most proficient student on completion of the final year of the Bachelor of Applied Science (Health Information Management).
The National Centre for Classification in Health Prize for Clinical Coding	\$100	Awarded to the student with the highest aggregate mark in the unit <i>Clinical Classification IUA</i> 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 <i>Clinical Classification IIIA</i> and <i>MB</i> in the Bachelor of Applied Science (Health Information Management) course.
The NSW Health Department Clinical Classification Graduate Diploma Prize	\$200	Awarded to the student with the highest aggregate marks in the units <i>International Disease Classification Systems A</i> and <i>B</i> in the Graduate Diploma of Applied Science (Health Information Management) course.
School of Medical Radiation Sciences		
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.
The Jillian Salter Memorial Award	\$300	Awarded to a non-metropolitan student with the highest aggregate marks across all second year units in the Bachelor of Applied Science in Medical Radiation Sciences (Diagnostic Radiography) course.
The Kodak Award for Excellence	\$200	Awarded to the student who gains the highest mark in the assessment of their Honours Thesis in the Bachelor of Applied Science (Medical Radiation Sciences) course.
School of Occupation and Leisure Sciences		
The Diversional Therapy Association of NSW Prize	\$200	Awarded to the student with the highest aggregate marks for the units in the <i>Client Groups Strand</i> in the Bachelor of Applied Science (Leisure and Health) course.
The Met-a-Lite Prize for Components of Occupational Therapy	\$100	Awarded to the student with the highest aggregate marks for the units <i>Components of Occupational Performance IA, IB, IIA, IIB</i> and <i>III</i> in the first, second and third years of the Bachelor of Applied Science (Occupational Therapy) course.
The Novartis Pharmaceuticals Prize	\$100	Awarded to the student with the highest aggregate mark in the unit <i>Occupations and Roles Across the Lifespan IA, IB, II</i> and <i>III</i> 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 <i>Occupational Therapy Theory</i> and <i>Process IA, IB, IIA, IIB, and III</i> in the Bachelor of Applied Science (Occupational Therapy) course.
The Smith and Nephew Prize for Human Occupations	products to value of \$350	Awarded to the student with the highest aggregate marks in the units <i>Human Occupations IA, IB, IIA, IIB, and III</i> in the Bachelor of Applied Science (Occupational Therapy) course.
School of Physiotherapy		
The Alcusal Prize for Research	\$150	Awarded for the best undergraduate research project submitted by a student completing an individual Honours program within the School of Physiotherapy.
The Australian Physiotherapy Association Prize	\$250	Awarded to the most proficient graduand in the Bachelor of Applied Science (Physiotherapy) course

Table 3.1: Prizes and scholarships - continued

Award or prize	Value	Criteria
The Australian Physiotherapy Association Clinical Education Prize	\$250	Awarded to the student exhibiting the highest standard of clinical practice in the Bachelor of Applied Science (Physiotherapy) course.
The Cardiothoracic Prize	\$200	Awarded to the student exhibiting the highest proficiency in Cardiopulmonary Physiotherapy in the Bachelor of Applied Science (Physiotherapy) course.
The J. Val Simpson Memorial Prize for Manual Therapy	\$100	Awarded to the student exhibiting the highest proficiency in Manual Therapy in the Bachelor of Applied Science (Physiotherapy) course.
The Neurological Rehabilitation Prize	\$100*	Awarded annually to the student exhibiting the highest proficiency in Neurology in third and fourth years of the Physiotherapy course. (*plus one year's Membership of Neurology Study Group)
The Physiotherapy Research Foundation Research Prize	\$100	Awarded to the student with the highest grade for an Honours Research Thesis in the Bachelor of Applied Science (Physiotherapy) Honours course.
The Rosemary E. Wilson Memorial Prize for Caring and Giving	\$100	Awarded to the student who is judged as having best shown an awareness of patients' total needs and real empathy with patients' physical, psychological and emotional needs in the Bachelor of Applied Science (Physiotherapy) course.
The School of Physiotherapy Nominated Prize	\$100	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Physiotherapy) course.
Yooroang Garang: School of Indigenous Health Studies		
The Molwood Kan-Anie-Zang Ani Memorial Graduate Diploma Prize	\$150	Awarded to the student for an outstanding Integrative Paper on issues related to <i>Iranian Migrants in Australia</i> in the Graduate Diploma of Health Science (Community Health) course
The Molwood Kan-Anie-Zang Ani Memorial Masters' Prize	\$250	Awarded to the student for an outstanding Master's Thesis on issues related to <i>Iranian Migrants in Australia</i> in the Master of Health Science (Community Health, Indigenous Community Health) course.
The Yooroang Garang: School of Indigenous Health Studies Graduate Diploma Prize	\$150	Awarded to the student for an outstanding Integrative Paper on issues related to <i>Indigenous communities</i> in the Graduate Diploma of Health Science (Community Health, Indigenous Community Health) course.
The Yooroang Garang: School of Indigenous Health Studies Master's Prize	\$250	Awarded to the student for an outstanding Thesis dealing with issues within Indigenous Community Health in the Master of Health Science (Community Health) course.
Faculty Award		
The Murray F. Allan Memorial Award	\$100	Awarded to the student exhibiting the most outstanding services to students. Open to students of every school/department in their final year of study.

Table 3.2: Summary of undergraduate diplomas and degrees

Discipline	Duration	Mode	Course code
Bachelor of Applied Science (BAppSc)			
Exercise and Sport Science ¹	3 years	full-time	2209
Health Information Management ¹	3 years	full-time	0902
Leisure and Health ¹	3 years	full-time	1531
	6 years	off-campus	1541
Medical Radiation Technology ¹ (last intake 1998)	3 years	full-time	
Diagnostic Radiography			1808
Nuclear Medicine			1809
Radiation Therapy			1810
Medical Radiation Sciences ¹	3 years	full-time	
Diagnostic Radiography			1837
Nuclear Medicine			1838
Radiation Therapy			1839
Occupational Therapy ¹ (last intake 1998)	4 years	full-time	1519
Occupational Therapy ¹	4 years	full-time	1542
Orthoptics ¹	4 years	full-time	1410
Physiotherapy ¹ (last intake 1997)	4 years	full-time	1622
Physiotherapy ¹	4 years	full-time	1652
Speech Pathology ¹	4 years	full-time	1206
Bachelor of Health Science (BHLthSc)			
Aboriginal Health and Community Development ¹ (last intake 1997)	4 years	(block attendance)	0753
Aboriginal Health and Community Development ¹	4 years	(block attendance)	0780
Hearing and Speech ¹	3 years	full-time	1221
Medical Radiation Technology ²	2 years	part-time	2004
Medical Radiation Technology ²	1 year	part-time	2008
Medical Radiation Technology ³	1 year	full-time	
Diagnostic Radiography			1830
Radiation Therapy			1831
Nursing ² (September start - last intake 1999)	2 years	part-time	2001
(April start - last intake 1999)	2 years	part-time	2011
(January start)	2 years	part-time	2005
(July start)	2 years	part-time	2015
Occupational Therapy ²	1 year	part-time	2002
Occupational Therapy ²	1 year	part-time	2007
Occupational Therapy ³	0.5 years	full-time	1535
Physiotherapy ²	1 year	part-time	2006
Physiotherapy ³	1 year	full-time	1650
Rehabilitation Counselling ¹	4 years	full-time	2531
Bachelor of Behavioural Health Science¹ (BBHSc)	3 years	full-time	2553/2554
Diploma of Health Science (DipHlthSc)			
Aboriginal Health and Community Development	2 years	full-time	0767

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

2. Off-shore (Singapore-based) conversion courses.

3. On-shore (Sydney-based) Singapore conversion courses.

Administrative information

Course enquiries and applications

Student administration (Cumberland)

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

Student Administration (Cumberland)
The University of Sydney
PO Box 170
Lidcombe NSW 1825
Phone (02) 9351 9161, fax (02) 9351 9412

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 Health¹
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

Bachelor of Behavioural Health Science

Bachelor of Health Science

- Aboriginal Health and Community Development²
Hearing and Speech
- Rehabilitation Counselling

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

- for NSW Higher School Certificate students, from schools;
- for ALL other undergraduate applicants, from major newsagents or from the Universities Admissions Centre, postal address:
UAC, Locked Bag 500
Lidcombe NSW 1825
Phone (02) 9330 7200

The closing date for UAC applications is late September, however late applications may be lodged until mid-December upon payment of the specified late fee. In special circumstances, Student Administration (Cumberland) may accept direct applications after the late UAC closing date upon payment of a late application fee of \$100.

All other course applications

Information and application forms for all other courses in the Faculty (non-UAC undergraduate, conversion, graduate certificates, graduate diploma, Master's degree and doctoral

1. Also available by off-campus mode. Applicants for the Leisure and Health (off-campus) course must apply directly to the Faculty. Contact the Undergraduate Adviser on phone (02) 9351 9161, email l.dewar@cchs.usdy.edu.au.

2. Applications for Aboriginal Health and Community Development are not processed by UAC. Potential applicants should contact Yooroang Garang: School of Indigenous Health Studies, phone (02) 9351 9095.

courses) are available from Student Administration (Cumberland). Completed applications must be lodged by the advertised closing date at Student Administration (Cumberland). Late applications will be accepted if vacancies remain.

Graduate courses

Detailed application procedures are set out in Chapter 3 of the Postgraduate Handbook.

Non-award enrolment

Non-award students are students who are enrolled in a unit or units 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/department offering the unit considers that the student will benefit from the unit, that accommodation is available and that the enrolment does not prevent a place in that unit being available to a student proceeding to a degree or diploma.

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

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

Non-award students are required to pay unit tuition fees on the basis of a fixed fee of \$ 15,000 for a full-time load multiplied by the weight of the individual unit.

Miscellaneous enrolment

Provision is made in the Faculty for students to undertake study in units which form part of award courses.

Miscellaneous students' results will not be formally presented but a certificate of successful completion will be given on completion of units.

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

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

Application forms are available from the Student Enquiries Counter and should be lodged prior to commencement of the semester.

Cross-institutional enrolment

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

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

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

Registration and enrolment

Status of students

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

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

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

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

Deferment of enrolment

A person granted admission to an undergraduate course of the Faculty and who undertook at least 10 units of the NSW Higher School Certificate, or its equivalent, in the preceding year, may be permitted to defer enrolment for a maximum period of one year, upon written application to the Undergraduate Officer, Student Administration (Cumberland) by the specified date.

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

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

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

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, Training and Youth Affairs (DETYA), and any other government agency
- c) completion of a form to indicate mode of payment of the Higher Education Contribution
- d) completion of such other forms as required by the Faculty or University
- e) payment of compulsory and other fees in relation to study at the University including Student Guild fees
- f) payment of the estimated Higher Education Contribution for February semester if the 'up-front' mode of payment is adopted
- g) payment of tuition fees for February semester if enrolled in a fee paying course.

New students accepting places in courses processed by the Universities Admissions Centre (UAC) are required to enrol in person at the Cumberland campus on **Thursday 27 or Friday 28 January 2000**, and will be required to complete at least items (a) to (d) above.

Students who receive UAC offers in the Final Round are required to enrol at the Cumberland campus on Tuesday 8 February 2000.

It should be noted that offers not accepted by the specified date will lapse.

The payment of all fees will be by bank deposit through any branch of the National Australia Bank. Compulsory subscriptions and other fees must be paid by Friday 11 February 2000 or the enrolment may be cancelled (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). A fees/charges deposit notice for this purpose will be issued at enrolment. If fees are not paid by this date the enrolment may be cancelled. If re-instatement is subsequently requested and approved a \$100 re-instatement fee may apply.

Re-enrolment of continuing students

Re-enrolment of continuing students in a course entails:

- a) completion of an Enrolment form attesting the units in which the student will be enrolled
- b) completion of such forms for statistical purposes as required by the Department of Education, Training and Youth Affairs (DETYA) or any other government agency
- c) completion of a form to indicate mode of payment of the Higher Education Contribution (only if the student is changing mode from that adopted in the immediately preceding semester)
- d) completion of such other forms as required by the Faculty or University
- e) payment of compulsory and other fees in relation to study at the University, including Student Guild fees

- f) payment of the estimated Higher Education Contribution for February semester, if 'up-front' mode of payment is adopted
- g) payment of fees for February semester if enrolled in a fee-paying course.

Re-enrolment of continuing undergraduate students will be carried out by mail. In mid-January 2000, students who are eligible to continue their course will be sent re-enrolment packages.

The payment of all fees will be by bank deposit through any branch of the National Australia Bank. Compulsory subscriptions and other fees must be paid by Friday 11 February 2000 (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). A fees/charges deposit notice for this purpose will be issued in the re-enrolment kit. If fees are not paid by this date the enrolment may be cancelled. If re-instatement is subsequently requested and approved a \$100 re-instatement fee may apply.

Academic advisers will be available for consultation concerning variations to proposed units for enrolment during the last week of January/early February. Completed re-enrolment documents are to be lodged at Student Administration (Cumberland) by Friday 4 February 2000.

Student identity card

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

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

In the event of loss, a replacement identity card may be issued by Student Administration (Cumberland), on payment of a \$ 10.00 fee to the Cashier.

Statement of enrolment - February semester

At the beginning of Semester 1, a statement of the expected enrolment and associated HECS/course fee will be sent by mail to the semester address of each currently enrolled student.

If the statement is accepted as correct by the student, and the Higher Education Contribution is to be paid 'up-front', then the payment should be made using the accompanying bank deposit form and the statement retained for reference. Payments must be made by Friday 17 March 2000. If the student has not made a full up-front payment by the census date, and has supplied their Tax File Number the University will record them as having deferred all or part of their HECS contribution. If the student has not paid in full by the census date and did not submit their Tax File Number, enrolment will be cancelled.

If amendments are required to the statement it should be returned to Student Administration (Cumberland) by Friday 17 March 2000, with a letter of explanation. The completion of an Application for Variation of Enrolment may be required.

Students who do not intend to continue their studies in February semester must formally withdraw from their course before 31 March 2000, or they will be charged HECS for the February semester.

Statement of enrolment - July semester

At the beginning of Semester 2, a statement of the expected enrolment and associated HECS/course fee will be sent by mail to the semester address of each currently enrolled student.

If the statement is accepted as correct by the student, and the Higher Education Contribution is to be paid 'up-front', then the payment should be made using the accompanying bank deposit form and the statement retained for reference. Payments must be made by Friday 18 August 2000. If the

student has not made a full up-front payment by the census date, and has supplied their Tax File Number the University will record them as having deferred all or part of their HECS contribution. If the student has not paid in full by the census date and did not submit their Tax File Number, enrolment will be cancelled.

If amendments are required to the statement it should be returned to Student Administration (Cumberland) by Friday 18 August 2000, with a letter of explanation. The completion of an Application for Variation of Enrolment may be required.

Students who do not intend to continue their studies in July semester must formally withdraw from their course before 31 August 2000, or they will be charged HECS for the July semester.

Confirmation of enrolment

In mid April (February semester) and mid September (July semester), all enrolled students will receive a notice confirming the details of their enrolment and providing a record of their Higher Education Contribution for the current semester. If the details of the notice are accepted, it should be kept by the student as a record in relation to the Higher Education Contribution for that semester. If amendment to this notice is required it should be returned to Student Administration (Cumberland) with an explanatory letter. The completion of an 'Application for Variation of Subjects' may be required.

Fees and charges

1. Higher Education Contribution Scheme (HECS)

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

- be a fee paying local undergraduate student;
- be undertaking a postgraduate course for which fees are charged in accordance with Commonwealth guidelines;
- be a fee paying overseas student but not sponsored under a foreign aid program;
- be otherwise subject to the Overseas Student Charge arrangements;
- be a fee paying overseas student sponsored under a foreign aid program;
- be enrolled in a recognised bridging or supplementary course which does not lead to an award;
- be enrolled in a course/place fully funded by an employer;
- be enrolled in a recognised non-award course;
- have an Australian postgraduate award;

Most units of study (subjects) taught in the Faculty of Health Sciences attract HECS at the Band 2 rate of \$4932 per annum. The major exceptions are subjects taught by the School of Behavioural and Community Health Sciences, and Leisure and Health subjects which attract the Band 1 HECS charge of \$3463 per annum. For part-time students a pro-rata amount will apply according to the actual proportion of the equivalent full-time load being undertaken.

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

Payment of the contribution may be made in two ways (outlined below) and the mode of payment may be varied from semester to semester. New students will be required to make an initial choice of mode of payment when they first enrol and this will be taken to indicate the preferred mode for future

payments. It will be assumed that continuing students will maintain the previously selected mode of payment, although they may apply to vary their mode.

'Up-Front' Payment of HECS

This mode permits a student to pay an annual amount equal to 75% of the estimated full contribution for each semester, before the census date in each semester. The amount must be paid either as a lump sum or in two parts, with the first part being at least 50% of the required payment and the balance paid before the census date. Students also have the option of a partial up-front payment of at least \$500 and may defer the balance. The partial up-front payment will attract the 25% discount.

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

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

'Deferred' Payment of HECS

This mode permits a student to defer all or part of the full contribution for the semester. No repayment is required until the taxable income of the student reaches a minimum threshold level. Choice of this mode requires a student to provide their tax file number at enrolment/re-enrolment.

2. Course fees (fee-paying undergraduate places)

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

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

The fees will be levied by semester of enrolment and will be due for payment by the same dates as 'up-front' HECS payments. The course fee in 2000 is \$15,000 per year.

3. Compulsory Student Guild fees

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

Note

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

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

Extension of time for payment

Any student who is unable to pay compulsory Student Guild fees may apply before the due date to the Head, Student Welfare Services (Cumberland), for an interest free loan. This loan is repayable by 30 April.

An extension will not normally be granted in respect of payment of the Higher Education Contribution, where the whole or part of the payment may be deferred to taxation. Loans are not available for payment of HECS or course fees.

4. Notes and levies

Schools and the Department publish manuals for many units of study, ranging in cost from \$2 to \$35 (in 1999). Purchase of manuals is optional, but highly recommended. Copies of manuals are available in the Library's Closed Reserve, and in some cases on the internet.

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

5. Continuing international students

Fees for February semester must be paid by 14 January 2000. Fees for July semester must be paid by 30 June 2000.

Failure to meet Financial Liabilities

Students who are financially indebted to the University and have not made acceptable arrangements for settlement of their obligations are not entitled to use the University's facilities and their enrolment may be cancelled. They will not be permitted to register for a further semester, to attend classes or

examinations, or to be granted any official credentials. Cancellation of enrolment applies if any portion of fees or the supply of a required tax file number is outstanding at the census date in the relevant semester, that is, 31 March in February semester and 31 August in July semester. Reinstatement of enrolment, if approved, may require payment of a \$100 fee.

Refund of Student Guild fees

- a) If written notice of discontinuation of a course is received by 31 March, all Student Guild Fees paid will be refunded.
- b) After 31 March in a year, students who formally discontinue or vary their course of study and consider themselves eligible for a refund of all or part of fees paid to the student organisations, may write to the Secretary of the Cumberland Student Guild detailing their case.

Refund of HECS

If following some variation of enrolment, a student becomes eligible for a refund of all or part of an 'up-front' Higher Education Contribution, the amount of the refund will be notified in the 'Confirmation of Enrolment' notice and the refund made a short time after receipt of the notice.

Requests for refund of any other fees or contributions should be directed in writing to the Head, Student Administration (Cumberland) and should detail fully the grounds upon which the request is based.

Refund of course tuition fees

Students who withdraw before the start of semester will be reimbursed 90% of the tuition fee. The University retains the remaining 10% to cover administrative overheads.

Students who withdraw after the start of the semester but before the census date of 31 March or 31 August, will be reimbursed 50% of the fee. The University's retained portion covers not only administrative overheads but also tuition costs.

Beyond the census date for each semester, the University retains 100% of the fee income.

Credit transfer

Policies

1. The Faculty of Health Sciences (FHS) has a policy of awarding students maximal credit for prior academic achievements within the following resolutions.
2. Three forms of credit transfer may be granted:
 - a) *Block Credit* for whole stages or years of course. Students are awarded the grade of AS (Advanced Standing) for all units credited.
 - b) *Specified Credit 1* for **whole** unit(s) of study which the student is not required to undertake based on completion of studies which have been deemed equivalent. The student is awarded the grade of AS for all units of study credited.
 - c) *Specified Credit 2* for **parts** of units of study which the student is not required to undertake based on completion of studies which have been deemed equivalent (previously termed 'exemption'). These units of study will attract only a ZP or F final grade except when the part(s) of unit were undertaken in the same subject at the Cumberland campus in the previous year. Course Examiners may record a mark with these grades.
3. In undergraduate programs of 3 years standard length, a maximum of two-thirds credit transfer is permissible.
4. In undergraduate programs of 4 years standard length, a maximum of three-quarters credit transfer is permissible.
5. In graduate coursework programs a maximum of two-thirds credit transfer is permissible.
6. Where feasible and appropriate 'class-action'(*) credit transfers into FHS courses will be implemented.
7. The Faculty Handbooks will list existing 'class-action' credit transfer policies.
8. Graduate Certificate Programs in the FHS are fee-paying courses. Award of a graduate certificate following transfer

from a graduate diploma program is conditional upon payment of the approved course fees.

9. Mechanisms for achieving credit transfer include:
 - a) the provision of academic transcripts and syllabuses or alternative information for a judgement on a case-by-case basis
 - b) the provision of appropriate evidence related to existing credit transfer class actions
 - c) the successful completion of challenge exams, where required. Challenge exams provide an opportunity for students to demonstrate that they have achieved the learning goals of a unit of study through previous formal study. Successful completion of a challenge exam will result in a grade of AS being awarded for that unit of study. Challenge exams are applicable only for units which the student has previously passed.
10. Credit for prior learning which is of a non-credential nature may be granted on the recommendation of the head of school or department. 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.
11. Eligibility for credit does not guarantee a place in the course in which the credit would be available.
12. Where existing credit transfer statements (eg, class actions) exist, such information would be available at the time of enrolment via the Faculty Handbook.
13. The responsibility for approval of Block credit transfer rests with the head of the school/department 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/department in which the unit of study is taught. In case of dispute or appeal, the final responsibility for credit transfer rests with the Faculty.

Current practices within the Faculty of Health Sciences

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

Exceptions

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

Credit transfer based on challenge examinations

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

Credit transfer based on TAFE studies

Due to the specialised nature of the Faculty's programs, there are few TAFE subjects which could result in Advanced Standing, however, students may seek Specified Credit 2 (exemptions) based on prior learning in TAFE programs. In some instances, challenge tests may be required in addition to

the provision of relevant information to support the student's application. Students should contact the unit of study coordinator of the relevant unit of study direct to discuss credit for prior learning.

Credit for prior learning of a non-credential nature

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

Implications of gaining credit transfer

1. Gaining Credit Transfer/Advanced Standing in a unit will decrease the student's workload. A reduced overall workload may affect eligibility for Austudy/Abstudy/Youth Allowance support.
2. Having been granted Advanced Standing, the student may wish to seek approval, via their head of school, to enrol in higher stage units in their course, subject to timetable constraints.
3. Students gaining Credit Transfer/Advanced Standing are awarded the grade AS which is not included in the
 - calculation of a Grade Point Average/Weighted Average Mark.
4. Gaining credit (exemptions or Advanced Standing) could influence a student's marks, either by allowing more time for studying other units and thereby improving the marks in those units, or by gaining an AS grade instead of a (potentially) high mark based on previous knowledge which could increase the GPA.

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

Procedures

Details of the process for applying for credit transfer are given on the 'Credit Transfer 2000' leaflet available from Student Administration in A Block.

Applications must be made on the appropriate form and lodged with Student Administration (Cumberland) by the specified closing date.

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 February semester will be held on Thursday 24 February, Friday 25 February and Saturday 26 February 2000. Results will be posted in the relevant school/department by the end of week 1. Challenge exams for units offered in July semester will be held during the week commencing Monday 28 February 2000. Results will be posted on the noticeboards in the relevant school/department by the end of week 2.

Discontinuation, variation of units and Leave of Absence

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

Discontinuation of studies

Discontinuation of Studies refers to the formal abandonment of a course of study after enrolment or re-enrolment has been completed.

Students applying to discontinue their studies must complete an 'Application for Discontinuation of Studies' form (available from the Student Enquiries Counter) and forward it, together with the completed 'Exit Authority' to Student Administration (Cumberland). Forms will not be accepted unless they contain the recommendations and endorsements of the appropriate heads of schools or departments (or their delegates) and other Cumberland campus staff. Incomplete application forms will be returned to the student.

Unless forms are lodged before 31 March (in February semester) or 31 August (in July semester), the student will incur a Higher Education Contribution liability for the semester.

To discontinue studies without failure being recorded against enrolled units, the application form must be accepted by the following dates:

- a) for February semester only units, 31 March 2000
- b) for full-year units and July semester only units by 31 August 2000.

Undergraduate students whose applications are accepted by the Faculty in accordance with the above dates will have their records endorsed 'discontinued without failure' for each appropriate enrolled unit. Undergraduate students whose applications are not accepted by the Faculty in accordance with the above dates will have their records endorsed 'discontinued with failure' for each appropriate enrolled unit.

If a student discontinues after the above dates and produces appropriate evidence with the application that discontinuation was due to serious illness or misadventure, the Faculty may deem all units to be 'discontinued without failure'.

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

Students who abandon their course after enrolment/re-enrolment and neglect to formally discontinue (that is, 'dropping-out') will be deemed to have failed all units in which they are enrolled and 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. Such an application will be considered with all other applications received that year for that course.

Variation of enrolment

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

Students must complete the 'Application for Variation of Enrolment' form (available from the Student Enquiries Counter) and forward it to the Head, Student Administration

(Cumberland). The form will not be accepted unless it contains the recommendations and endorsements of the appropriate head of school or department (or their delegates). An incomplete application form will be returned to the student originating it.

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

To discontinue a unit without failure being recorded, the application form must be accepted by the following dates:

- a) for February semester only units, by 31 March 2000
- b) for full-year units and July semester only units, by 31 August 2000.

Undergraduate students whose applications for discontinuation of units are accepted by the Faculty in accordance with the above dates will have their records endorsed 'discontinued without failure' for each approved unit. Undergraduate students whose applications are not accepted by the Faculty in accordance with the above dates will have their records endorsed 'discontinued with failure' for each approved unit.

If a student discontinues a unit after the above dates and produces appropriate evidence with the application that discontinuation was due to serious illness or misadventure, the Faculty may deem the unit to be 'discontinued without failure'.

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

Leave of Absence

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

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

Students applying for Leave of Absence must complete an 'Application for Leave of Absence' form (available from the Student Enquiries Counter) and forward it to Student Administration (Cumberland). The form will not be accepted unless it contains the recommendation(s) of the appropriate head(s) of school/department (or their delegates) and the completed 'Exit Authority'. The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it. An incomplete application form will be returned to the student originating it.

Applications for Leave of Absence should be submitted prior to the census date for the Semester (31 March or 31 August).

Special leave

Special leave may be granted by the head of school or department 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/departments, otherwise the student should apply for Leave of Absence (see above).

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

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 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/department through Student Administration (Cumberland) before proceeding overseas.

Approved assessment periods

Approved assessment periods shall include assessment conducted in the traditional Week 15 and 16 assessment period.

Completion of assessment requirements

Incomplete results will normally be converted to an AF (absent fail) result at the end of week 2 in the following semester.

Assessment timetables

Provisional and Final Timetables for assessments scheduled in Weeks 15 and 16 of a semester will be displayed on the Official Notice Boards on Cumberland campus.

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

Rules of conduct of written examinations

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

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

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

No candidate will be admitted to the examination room after 30 minutes of the examination writing period has elapsed nor

will any candidate be permitted to leave the examination room within 30 minutes of the examination writing period.

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

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

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

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

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

Candidates are not permitted to take bags, briefcases, folders, umbrellas, hats, mobile phones, pagers, etc., into the examination room except with the express approval of the Presiding Officer. Small money purses only may be taken into the room, however, they must be placed on the floor. In exceptional circumstances, and only with the express permission of the Presiding Officer, other articles may be brought into the examination room. They must also be placed on the floor.

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

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

Reading time

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

Conduct of candidates

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

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

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

Special consideration

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

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

Disability

Candidates suffering from a disability which puts them at a disadvantage in assessments may apply to Student Administration (Cumberland) prior to the assessment period for special provisions when the assessments are taken. Students may be required to support their request with medical evidence.

Recording of results

Students' results will be recorded using the following grades:

HD - High Distinction

indicates an outstanding level of achievement

D - Distinction

indicates an excellent level of achievement

CR - Credit

indicates an above average level of achievement

P-Pass

indicates an acceptable level of achievement

TP — Terminating Pass

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

I—Assessment Incomplete

indicates assessment in the unit is yet to be completed

AS—Advanced standing

indicates the awarding of credit transfer in the unit of study

X - Fail with Post granted

indicates the student's performance did not reach the acceptable level of achievement but was deemed to be of sufficient merit to warrant further assessment

F-Fail

indicates failure to achieve the required standard of achievement

DA - Deferred Assessment

final assessment has been deferred because of misadventure or illness

WO - Discontinued without failure

permitted to discontinue unit without failure

WF - Discontinued with failure

discontinued unit with failure

SC—Subject Carried

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

ZP - Pass on Pass/Fail basis

Pass granted

CP - Conceded Pass

Indicates the student's performance did not reach the required level of achievement in the unit but was deemed acceptable given the student's overall performance

V- Interim Result

Student has submitted a thesis/treatise which is under examination

Notification of results

Results for terminating units will be formally released by the Examinations Branch as follows:

End of February semester

Units that, according to the Faculty Handbooks, are presented only in February semester.

End of July semester

Units that, according to the Faculty Handbooks, are presented either in July semester only or are presented over both February and July semesters.

Availability of results for terminating units

Results will be made available to students as follows:

1. Public Display of Results

Results will be displayed on the day and at the places as notified on the Official Notice Boards.

Results will be displayed using the student identity number only.

Students may exercise the option not to have their results displayed in this fashion by completing the appropriate form available from the Student Enquiry Counter.

2. Individual Result Notices

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

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

The relationship of grades to percentage marks is as follows:

Grade	Percent
High Distinction	85-100
Distinction	75-84
Credit	65-74
Pass	50-64
Fail	below 50

It is important to note that the University does not use a set formula for determining the number of specific examination grades to be awarded in particular units. A set of indicative proportions has been adopted by the Academic Board. The proportions are cumulative and are based on the number of students who gain a Pass or better in the particular unit.

Unit	High Distinction (percent)	Distinction (percent)	Credit (percent)
1st Year	3	14	42
2nd Year	3	16	46
3rd Year	4	18	50

The proportions of merit grades may vary from unit to unit and from year to year, reflecting different capabilities of different groups.

Special Notes

- No results will be given by telephone.
- It is the student's responsibility to ascertain assessment results.
- Advice of a change of address will not be accepted unless in writing and with the student's signature. Preferably, the Change of Address/Name form should be used. Only students with an overseas home address who are not returning to their country of origin between semesters, will be permitted to change to their semester address for receipt of result notices.
- Failure to advise the Examinations Branch of the address to which the results are to be sent, and/or absence overseas, on holidays, or because of work or course commitments, will not be accepted as an excuse for non-receipt of assessment results. Further, the University will presume that each and every result notice lodged with Australia Post has been delivered no later than seven (7) days after the date of posting, as notified on Official Notice Boards.
- Students who have not received their results within seven (7) days of posting therefore, are responsible for contacting Student Administration (Cumberland) and arranging for a copy of the result notice to be posted.

Supplementary assessments

With regard to supplementary assessments, the Senate of the University has resolved as follows:

There is no formal provision for supplementary examinations, but a head of school or department may arrange for further testing in cases of special consideration, in accordance with Academic Board policy governing illness and misadventure, and any relevant faculty policies.

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 Student Administration (Cumberland), within fourteen days of the date on which the results in question have been released.

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

Appeals Against an Academic Decision

The 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 subject or course coordinator. If not satisfied, the student should seek an interview with the head of school/department to discuss the matter. If not satisfied with the response from the school/department, the student may appeal to the Dean. Information on these procedures can be obtained from the Head, Student Administration (Cumberland). While the application of these procedures usually relates to assessment matters, particularly following a Review of Results, this is not the only area in which an appeal may be initiated. If a student wishes to formally initiate an appeal against an academic decision, advice may be sought from the Resource Officer of the Cumberland Student Guild, the Head, Student Welfare Services (Cumberland), or the Student Counsellor.

Graduation 'with Distinction'

Only applies to students who commenced undergraduate programs in the Faculty of Health Sciences before 1999.

Outstanding achievement in some of the Faculty undergraduate courses may be recognised at graduation by such students receiving an award 'with Distinction'.

In any one year, up to 10% of graduands in each of the undergraduate courses may be admitted to the award 'with Distinction' but this number need not be awarded if there are not graduands considered to be of sufficient merit.

The award 'with Distinction' will be based on overall achievement in all units of the undergraduate course completed. Unit assessment in all stages of a given course will contribute equally towards a final ranking of students.

Where clinical education or field experience units are assessed according to the general assessment ranking procedure, those results will be incorporated into any final ranking. Where such units are assessed on a Pass/Fail basis a Pass result is required to maintain eligibility for the award 'with Distinction' but this result is not included for average ranking purposes. The grade AS is also not included in the ranking process.

A student receiving a Fail result in any unit at any stage of a course will be regarded as ineligible for an award 'with Distinction'.

Progression and exclusion

Progression

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

Students must repeat failed units or their equivalent at the first opportunity and will be permitted to progress to the next semester carrying failed units, 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.

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

Exclusion

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 (a) a year of candidature in which he or she has failed or discontinued (with failure)

- more than once, or (b) 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 not successfully completed all first year course requirements within two years (except for students with permission to enrol in the course on less than a full-time basis when the requirement refers to those units in the approved first year enrolment) shall be deemed not to have made satisfactory progress.

Notification of pending exclusion

Students who are found in a condition in which the Faculty may require them to 'show good cause' why they should be allowed to re-enrol in their course and/or failed unit(s), shall be initially prompted, but not necessarily be placed on 'show cause', by a message on their Assessment Notice. Students who are to be placed on 'show cause' will receive written notification from the Faculty. Students are permitted to re-enrol and/or continue enrolment until the final decision has been taken.

Showing cause

Students so notified of pending exclusion may exercise the right to show good cause why they should be permitted to re-enrol. While it is not possible to define in advance all the reasons relevant to showing 'good cause' against exclusion, serious ill health or misadventure (properly attested) will be considered. In addition, the general record of a student, for example in other units, would be taken into account. In particular, where a student has transferred from elsewhere in the University, regard will be given to their previous record. Such matters as the demands of employers, pressure of employment, time devoted to non-university activities, personal and financial problems, and so on, may be considered if relevant to any serious illness or misadventure. Apart from demonstrating the reasons for not making satisfactory progress, students are advised to indicate why they would be successful if permitted to re-enrol and what steps have been taken to resolve the preceding issues.

Appeal against exclusion by Faculty

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 Appeals Committee (Exclusion and Re-admissions) by following the procedures set down in the University's Calendar.

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

Re-admission after exclusion

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

Other information

Conduct

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

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

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

Attendance at classes

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

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

Insurance

Please refer to the Chapter on Clinical Education for information on insurance.

Change of address

Students are required to notify Student Administration (Cumberland), of any changes in their addresses as soon as possible. Notice of a change of address will not be accepted unless in writing and over the student's signature. Preferably, the Change of Address/Name form should be used. The University cannot accept responsibility if official correspondence fails to reach a student who has not notified the Head, Student Administration (Cumberland), of a change of address.

Official notices

Official notices (such as examination timetables) are displayed on the Official Notice Boards on the Cumberland campus. Students are expected to be acquainted with the contents of those announcements which concern them.

The Official Notice Boards are located in the following buildings:

- A Block, northern entrance
- R Block, outside main entrance

Student records

Student records are issued with the authority of the Registrar by Student Administration (Cumberland). Student records shall include:

- end-of-semester Assessment Result Notices;
- transcripts of Academic Records;
- any other student records approved by the Head, Student Administration (Cumberland).

Transcripts of academic records are available to:

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

At graduation two transcripts will be issued free of charge. On other occasions, the issue of two transcripts costs \$10.

Course work

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

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

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

Access to buildings after hours

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

Department of Biomedical Sciences

The Department of Biomedical Sciences incorporates biophysics, biochemistry, basic biology, human anatomy and physiology, pathophysiology, microbiology. Since its inception in 1973, the Department has provided training in these basic and applied sciences relevant to undergraduate students in the different professions studying on this campus. Subject material in many of the Faculty's Diploma, Graduate Diploma and Master's courses is taught by the Department.

Postgraduate students may enrol in the Department's own program, Master of Applied Science (Biomedical Sciences) by Research. In addition, PhD supervision is available in various areas of staff research expertise.

Table 5.1: Summary of Biomedical Sciences units of study

NB: Use the Index to find unit of study descriptions

Unit code	(old code)	Unit name
BIOS 1054	(11158)	Introductory Human Biology
BIOS 1055	(11161)	Body Systems I
BIOS 1064	(11172)	Functional Anatomy A
BIOS 1065	(11173)	Functional Anatomy B
BIOS 1068	(11176)	Introductory Human Biology
BIOS 1069	(11177)	Musculoskeletal Anatomy
BIOS 1070	(11178)	Introductory Neurobiology
BIOS 1071	(11179)	Neurobiology I
BIOS 1072	(11180)	Optics I
BIOS 1073	(11181)	Body Systems I
BIOS 1074	(11182)	Optics II
BIOS 1076	(11184)	Biological Sciences I
BIOS 1079	(11187)	Molecules, Food and Energy
BIOS 1082	(11191)	Introductory Neurobiology
BIOS 1083	(11192)	Neurobiology I
BIOS 1084	(11193)	Introductory Human Biology
BIOS 1094	(111A3)	Fundamental Computer Skills
BIOS 1095	(111A4)	Data Management and Presentation
BIOS 1104	(111B3)	Basic Human Biology IA
BIOS 1105	(111B4)	Basic Human Biology IB
BIOS 1106	(111B5)	Biological Sciences IA
BIOS 1107	(111B5X)	Biological Sciences IB
BIOS 1108	(111B7)	Body Structure, Homeostasis and Movement I
BIOS 1109	(111B8)	Body Structure, Homeostasis and Movement II
BIOS 1110	(111B9)	Human Anatomy and Physiology A
BIOS 1111	(111C0)	Human Anatomy and Physiology B
BIOS 1112	(111C1)	Human Anatomy and Physiology A
BIOS 1113	(111C2)	Human Anatomy and Physiology B
BIOS 1114	(111D0)	Introductory Biomedical Sciences
BIOS 1115	(111D1)	Body Function in Health and Disease
BIOS 1116	(111C3)	Speech Science I
BIOS 1117	(111C4)	Speech Science II
BIOS 1118	(111C5)	Hearing Science
BIOS 1119	(111C6)	Introductory Radiation Physics 1A
BIOS 1120	(111C7)	Introductory Radiation Physics 1B
BIOS 1122	(111C8)	Biomedical Sciences 1A
BIOS 1123	(111C9)	Biomedical Sciences 1B
BIOS 2037	(11286)	Body Systems II
BIOS 2038	(11287)	Neurobiology II
BIOS 2056	(112A7)	Neurobiology II

Unit code	(old code)	Unit name
BIOS 2057	(112A8)	Body Systems I
BIOS 2060	(112B1)	Introductory Pathology
BIOS 2061	(112B2)	Ocular Biology
BIOS 2062	(112B3)	Neurobiology II for Communication Disorders
BIOS 2063	(112B4)	Visual Neurobiology
BIOS 2073	(112C5)	Kinesiology and Applied Anatomy
BIOS 2082	(112D7)	Basic Human Biology IIA
BIOS 2083	(112D8)	Basic Human Biology IIB
BIOS 2084	(112D9)	Biological Sciences IIA
BIOS 2085	(112E0)	Biological Sciences IIB
BIOS 2086	(112E1)	Pathophysiology and Pharmacology A
BIOS 2087	(112E2)	Pathophysiology and Pharmacology B
BIOS 2090	(112E5)	Biological Sciences II
BIOS 2091	(112E8)	Neurobiology I
BIOS 2092	(112E8)	Neurobiology II
BIOS 2093	(112E6)	Biomedical Sciences 2
BIOS 2094	(112E7)	Oncology A
BIOS 3019	(11374)	Body Systems III
BIOS 3027	(11382)	Body Systems II
BIOS 3029	(11384)	Neurology for Communication Disorders
BIOS 3031	(11386)	Bio-electrical Signals and Computing
BIOS 3032	(11387)	Embryology and Neural Plasticity
BIOS 3033	(11388)	Biological Sciences III
BIOS 3042	(11397)	Biological Sciences IIIA
BIOS 3043	(11398)	Biological Sciences IIIB
BIOS 3044	(11399)	Biological Sciences IIIA
BIOS 3045	(113A0)	Biological Sciences IIIB
BIOS 3046	(113A1)	Biological Sciences III
BIOS 3049	(113A2)	Hormones, Metabolism and Exercise
BIOS 3051	(113A4)	Biological Sciences IIIA
BIOS 4029	(11466)	Visual Science
BIOS 4035	(112B4)	Sexuality for Health Professionals
BIOS 4036	(11490)	Biology of Ageing
BIOS 4037	(11491)	Applied Biology of Ageing
BIOS 4038	(11492)	Health, Disease and Ageing
BIOS 4039	(11493)	Biological Aspect of Disease Management
BIOS 4040	(11494)	Alternate Health Care in Health Professional Practice
BIOS 4041	(11495)	Toxic Effects of Drugs and Other Chemicals
BIOS 4042	(11496)	Research into Toxic Effects of Drugs and Other Chemicals
BIOS 4043	(11497)	Selected Studies in Biomedical Sciences
SING 4066	(20466)	Pathophysiology
SING 4067	(20467)	Pathophysiology

School of Applied Vision Sciences

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

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

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

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

The technological component of visual health assessment is increasing rapidly. This has been addressed through strengthening of the basic and applied sciences within the Bachelor degree program.

Enquiries regarding the academic program should be addressed to Associate Professor Elaine D. Cornell, Head of School of Applied Vision Sciences. Phone (02) 9351 9250, fax (02)93519359.

Bachelor of Applied Science (Orthoptics)

Orthoptists are health professionals who specialise in management of disorders of eye movements and other aspects of visual functions.

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 techniques, 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 2 unit Chemistry or 2 unit Biology or 3/4 unit Science at HSC level.

Course outline

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

Honours program

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

Table 6.1: Bachelor of Applied Science (Orthoptics)

Course code	Mode of Offer			
1410	Pass course; Full-time, 4 years			
1411	Honours program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year1</i>				
BACH 1107	(25190)	Introduction to Health Sociology	4	-
BACH1108	(25191)	Introduction to Psychology	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	-
BIOS 1070	(11178)	Introductory Neurobiology	3	-
BIOS1071	(11179)	Neurobiology I	-	2
BIOS 1072	(11180)	Optics I	2	-
BIOS 1073	(11181)	Body Systems I	-	4
BIOS1074	(11182)	Optics II	-	3
ORTH1031	(14131)	Clinical Instrumentation IA	5	-
ORTH1032	(14132)	Clinical Instrumentation IB	-	6
ORTH1026	(14126)	Visual Processes	3	-
ORTH1027	(14127)	Binocular Vision	-	2
ORTH1028	(14128)	Disorders of the Visual System IA	3	-
ORTH1029	(14129)	Disorders of the Visual System IB	-	3
Stage total (48 credit points for Year 1)			24	24

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Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 2</i>				
BACH2123	(25299)	Behavioural Science IIA	3	-
BACH2021	(2521 A)	Behavioural Science IIB	-	3
BACH1027	(2511G)	Research Methods I	3	-
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BIOS2060	(112B1)	Introductory Pathology	2	-
BIOS2061	(112B2)	Ocular Biology	3	-
BIOS2063	(112B4)	Visual Neurobiology	-	5
ORTH2043	(14245)	Concomitant Strabismus B	-	4
ORTH2050	(14252)	Instrumentation IIA	3	-
ORTH2051	(14253)	Instrumentation IIB	-	3
ORTH2047	(14249)	Concomitant Strabismus A	4	-
ORTH2048	(14250)	Disorders of the Visual System IIA	3	-
ORTH2049	(14251)	Disorders of the Visual System IIB	-	3
and				
ORTH2052	(14254)	Clinical Studies IIA	(6)	-
or				
ORTH2053	(14255)	Clinical Studies IIB	-	(6)
Stage total (48 credit points for Year 2)			24	24
<i>Year 3</i>				
BIOS3031	(11386)	Bio-electrical Signals and Computing	-	5
BIOS3032	(11387)	Embryology and Neural Plasticity	-	2
ORTH3035	(14335)	Clinical Studies III	21	-
ORTH3036	(14336)	Clinical Project	3	-
ORTH3037	(14337)	Ocular Motility Disorders I	-	4
ORTH3038	(14338)	Disorders of the Visual System III	-	4
ORTH3039	(14339)	Rehabilitation Studies I	-	4
ORTH3040	(14340)	Instrumentation III	-	2
ORTH3041	(14341)	Elective Study	-	3
Stage total (48 credit points for Year 3)			24	24
<i>Year 4</i>				
BIOS4029	(11466)	Visual Science	4	-
ORTH4007	(14408)	Ocular Motility Disorders II	4	-
ORTH4008	(14409)	Disorders of the Visual System IV	4	-
ORTH4009	(14410)	Rehabilitation Studies II	4	-
ORTH4010	(14411)	Professional Studies	4	-
ORTH4012	(14413)	Clinical Studies IV	-	20
BACH4047	(25446)	Developing a Research Project	4	-
and				
ORTH4011	(14412)	Research Project	-	4
or				
ORTH4013	(14414)	Professional Elective	-	4
Stage total (48 credit points for Year 4)			24	24
Honours program				
<i>Year 3</i>				
BACH3054	(25352)	Research Statistics	-	3
BIOS3031	(11386)	Bio-electrical Signals and Computing	-	5
BIOS3032	(11387)	Embryology and Neuro Plasticity	-	2
ORTH3035	(14335)	Clinical Studies III	21	-
ORTH3037	(14337)	Ocular Motility Disorders 1	-	4
ORTH3038	(14338)	Disorders of the Visual System III	-	4
ORTH3040	(14340)	Instrumentation III	-	2
ORTH3044	(14344)	Research Proposal Part A	3	-
ORTH3046	(14346)	Research Proposal Part B	-	4
Stage total (48 credit points for Year 3)			24	24
<i>Year 4</i>				
BIOS4029	(11466)	Visual Science	4	-
ORTH4007	(14408)	Ocular Motility Disorders II	4	-
ORTH4008	(14409)	Disorders of the Visual System IV	4	-
ORTH4010	(14411)	Professional Studies	4	-
ORTH4018	(14419)	Research Report	2	10
ORTH4019	(14420)	Clinical Studies IVH	4	16
Stage total (48 credit points for Year 4)			22	26

Clinical education

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

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

Any enquiry regarding the clinical education program of the School is to be directed to the School's Clinical Coordinators on (02) 9351 9250.

Clinical practice dates

The clinical blocks for 2000 are scheduled as follows.

Year 1: During Semester 1 and 2

Year 2: 24 January - 25 February OR 26 June - 17 July

Year 3: 28 February - 24 June

Year 4: 17 July - 11 September AND 9 October to 13 November

Uniforms

From 1999, Year 1 students in the orthoptics course will be required to purchase a designated clinical uniform, details 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, 2000.

For students who have enrolled before semester 1, 1999 the clinical uniform is as follows:

Female

Regulation navy blue uniform or culottes, navy trousers, or skirt and white shirt; Navy cardigan or jacket; Stockings; Navy blue or black plain shoes - eg, court shoes.

Male

Navy pants and white shirt; Navy tie; Navy blue jacket or cardigan; Navy blue or black closed in flat heeled lace up shoes.

Units of study

BACH 1027 Research Methods I

Old code 2511G. 3 credit points

Offered: February.

This unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. The importance of research methods to evidence-based practice will be emphasised.

BACH 1107 Introduction to Health Sociology

Old code 25190. 4 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The

unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1108 Introduction to Psychology

Old code 25191. 4 credit points

Offered: July.

NB: Also available in off-campus mode.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points

Offered: February, July. Prerequisite: Research Methods I: Design BACH 1026 (2511F) or Research Method I.

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.

BACH 2021 Behavioural Science IIB

Old code 2521 A. 3 credit points

Offered: July.

This unit develops themes introduced to students in 101D2. Topics covered are developmental disability; behaviour therapy; and social psychology.

BACH 2123 Behavioural Science IIA

Old code 25299. 3 credit points

Offered: February.

This unit develops themes introduced to students in 101D2 and 101D3. Topics covered are patients, work and organisations; visual perception and learning disability; and life stress.

BACH 3054 Research Statistics

Old code 25352. 3 credit points

Offered: July.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in the second year research courses and will provide the foundation for the statistics which may be used in the Honours research project.

BACH 4047 Developing a Research Project

Old code 25446. 4 credit points

Ms Kate O'Loughlin, (02) 9351 9531

Offered: February, July.

NB: Also available in off-campus mode.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which 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. This unit is usually offered on Mondays from 5-8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BIOS 1068 Introductory Human Biology

Old code 11176. 4 credit points
Offered: February.

This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division, the principles of homeostasis, genetics and blood.

BIOS 1070 Introductory Neurobiology

Old code 11178. 3 credit points
Offered: February. **Corequisite:** Introductory Human Biology BIOS 1068(11176).

This unit introduces the student to the basic structure and function of the nervous system and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1071 Neurobiology I

Old code 11179. 2 credit points
Offered: July.

This unit introduces the students to the anatomy and physiology of the nervous system, with a basic introduction to the structure and role of the somatosensory and motor pathways. A detailed discussion of the somatosensory system is included, along with a full account of spinal reflex mechanisms. The unit also contains an introduction to the autonomic nervous system. This unit of study includes anatomy laboratory classes in which human cadaveric material is examined.

BIOS 1072 Optics I

Old code 11180. 2 credit points
Offered: February.

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

BIOS 1073 Body Systems I

Old code 11181.4 credit points
Offered: July.

This is an introduction to the structure and function of the major organs of the body including the respiratory, cardiovascular, renal and immunological systems. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1074 Optics II

Old code 11182. 3 credit points
Offered: July. **Prerequisite:** Optics I BIOS 1072 (11180).

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

BIOS 2060 Introductory Pathology

Old code 112B1. 2 credit points
Offered: February. **Prerequisite:** Introductory Human Biology BIOS 1068(11176).

This is an introduction to microbiology and immunology, including micro-organism structure, classification and growth, sterilisation and disinfection, nosocomial infections, selected infectious diseases and their transmission, immunology of cancer, transplantation rejection and immunological disorders. There is also a discussion of neoplasia.

BIOS 2061 Ocular Biology

Old code 112B2. 3 credit points
Offered: February. **Assumed knowledge:** Neurobiology I BIOS 1071 (11179).

This unit covers the anatomy of the orbit, the eyeball and the retina. There is also a discussion of the autonomic nervous system, intraocular fluids and pressure, and signal processing in the retina.

BIOS 2063 Visual Neurobiology

Old code 112B4. 5 credit points
Offered: July. **Assumed knowledge:** Neurobiology I BIOS 1071 (11179).

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. Basic pharmacology with relevance to the eye is also introduced.

BIOS 3031 Bio-electrical Signals and Computing

Old code 11386. 5 credit points
Offered: July.

This unit provides an introduction to bio-electricity, computerised data, acquisition, and signal processing preparatory to the study of visual electrodiagnosis. Computer applications relevant to orthoptic practice are also examined.

BIOS 3032 Embryology and Neural Plasticity

Old code 11387. 2 credit points
Offered: July. **Assumed knowledge:** Visual Neurobiology BIOS 2063(112B4).

In this unit, there is a discussion on embryology, the main emphasis being placed on the development of the central nervous system and that of the visual system. There is also a discussion on the plasticity of the visual and ocular motor systems with particular reference to how they change with experience.

BIOS 4029 Visual Science

Old code 11466. 4 credit points
Offered: February.

In this unit, basic neurology and neuro-ophthalmology is introduced. There is a discussion of clinical pharmacology of the eye. The unit also offers a substantial practical component in the recording of electroretinograms, electrooculograms and cortical evoked responses.

ORTH1026 Visual Processes

Old code 14126. 3 credit points
Offered: February.

The normal eye and the assessment of its function is introduced including visual acuity, contrast sensitivity, the visual pathway, the visual field, binocular vision, spherical refractive errors, eye movements accommodation and convergence.

ORTH1027 Binocular Vision

Old code 14127. 2 credit points
Offered: July. **Assumed knowledge:** Visual Processes ORTH 1026 (14126).

The principles of binocular vision, its anatomical and physiological substrates, are introduced. Topics covered include projection, corresponding retinal points, horopter, physiological diplopia, fusion, superimposition, BSV, stereopsis and the accommodation/convergence synkinesis. Factors determining misalignment of the visual axes and its assessment and sensory sequelae are also introduced including suppression, amblyopia and ARC.

ORTH 1028 Disorders of the Visual System IA

Old code 14128. 3 credit points
Offered: February.

This unit will present a range of disorders of the eye, with emphasis on recognition of the more common disorders of the visual system, terminology used in the field of ophthalmology and the basic principles of ophthalmological examination.

ORTH 1029 Disorders of the Visual System IB

Old code 14129. 3 credit points
Offered: July.

This unit covers a study of ophthalmic history taking, cataract (its causes, types, investigation and management), ocular emergencies, an introduction to visual fields.

ORTH 1031 Clinical Instrumentation IA

Old code 14131. 5 credit points

Offered: February.

An introduction to the attainment of professional orthoptic skills including communication and observation skills, patient assessment and information recording related to general ocular examination will be taught. Small group on campus tutorial sessions will provide the opportunity to practise clinical procedures. A component of this unit is off campus attendance at a community placement. The aim of this placement is to enhance the communication and observation skills of the student.

ORTH 1032 Clinical Instrumentation IB

Old code 14132. 6 credit points

Offered: July.

The attainment of professional skills will be further developed with the emphasis on the assessment of strabismus and eye movement disorders. An off campus clinical placement will be arranged during the semester to support the development of professional conduct as well as the integration of basic theoretical concepts to clinical practice.

ORTH 2043 Concomitant Strabismus B

Old code 14245. 4 credit points

Offered: July. **Prerequisite:** Concomitant Strabismus A ORTH 2047 (14249); (pre-or corequisite) Instrumentation IA ORTH 2050 (14252), Instrumentation IIB ORTH 2051 (14253).

Non accommodative concomitant deviations are studied, such as intermittent non accommodative esotropia and exotropia, with special emphasis on the sensory adaptations of suppression, amblyopia, microtropia, eccentric fixation, normal and abnormal and non functional retinal correspondence and their relationship to visual plasticity.

ORTH 2047 Concomitant Strabismus A

Old code 14249. 4 credit points

Offered: February. **Prerequisite:** (or corequisite) Instrumentation IIB ORTH 2051 (14253). **Assumed knowledge:** Binocular Vision ORTH 1027 (14127).

Effect of refractive errors on ocular alignment and anomalies of accommodation, convergence and the accommodation/convergence synkinesis which result in concomitant deviation are studied, along with assessment and management of these conditions as well as convergence insufficiency, heterophoria, accommodation anomalies and accommodative intermittent squint.

ORTH 2048 Disorders of the Visual System IIA

Old code 14250. 3 credit points

Offered: February. **Prerequisite:** Disorders of the Visual System IA ORTH 1028 (14128) OR Disorders of the Visual System IB ORTH 1029 (14129), (or corequisite) Instrumentation IIB ORTH 2051 (14253).

This unit will introduce a range of ophthalmic topics relevant to the varied working environments of the orthoptist. Diseases of the anterior segment and inflammatory disorders of the eye will be briefly considered. The investigative procedures and medications used to care for these patients will be discussed. The role of the orthoptist in the care of the contact lens patient and patient undergoing minor surgical procedures will be examined in greater depth.

ORTH 2049 Disorders of the Visual System IIB

Old code 14251. 3 credit points

Offered: July. **Prerequisite:** (or Corequisite) Instrumentation IIB ORTH 2051 (14253).

In this unit the assessment of refractive error and special refractive conditions such as keratoconus are studied. Glaucoma is also studied with emphasis on assessment of the visual field using computerised perimetry.

ORTH 2050 Instrumentation IIA

Old code 14252. 3 credit points

Offered: February. **Corequisite:** Concomitant Strabismus A ORTH 2047 (14249); Disorders of the Visual System IIA ORTH 2048 (14250).

The instrumentation and special procedures appropriate to the units Concomitant Strabismus A and Disorders of the Visual System IIA are studied in small group tutorial sessions. These

skills include those of contact lens fitting and maintenance, slit lamp assessment, vertometry and orthoptic assessment and management of accommodative deviations.

ORTH 2051 Instrumentation IIB

Old code 14253. 3 credit points

Offered: July. **Corequisite:** Concomitant Strabismus B ORTH 2043 (14245); Disorders of the Visual System IIB ORTH 2049 (14251).

The instrumentation and special procedures appropriate to the units Concomitant Strabismus B and Disorders of the Visual System IIB are studied in small group tutorial sessions. These skills include those of visual field assessment, refraction and retinoscopy, ophthalmoscopy and orthoptic assessment and management of non accommodative deviations.

ORTH 2052 Clinical Studies IIA

Old code 14254. 6 credit points

Offered: February. **Prerequisite:** (or Corequisite) Clinical Instrumentation IA ORTH 1031 (14131); Clinical Instrumentation IB ORTH 1032 (14132); Instrumentation IA ORTH 2050 (14252). **Assumed knowledge:** Binocular Vision ORTH 1027 (14127); Disorders of the Visual System IA ORTH 1028 (14128); Disorders of the Visual System IB ORTH 1029 (14129).

Students will be exposed to various clinical situations and conditions. Basic orthoptic techniques will be practised in the clinical setting and the student's technical, interpersonal and professional skills evaluated. Following the clinical placement students attend a debriefing workshop where clinical experiences are discussed. A case study and a personal learning objective is developed by the student after the clinical placement.

ORTH 2053 Clinical Studies IIB

Old code 14255. 6 credit points

Offered: July. **Prerequisite:** (or Corequisite) Clinical Instrumentation IA ORTH 1031 (14131); Clinical Instrumentation IB ORTH 1032 (14132); Instrumentation IIA ORTH 2050 (14252). **Assumed knowledge:** Binocular Vision ORTH 1027 (14127); Disorders of the Visual System IA ORTH 1028 (14128); Disorders of the Visual System IB ORTH 1029 (14129).

Students will be exposed to various clinical situations and conditions. Basic orthoptic techniques will be practised in the clinical setting and the student's technical, interpersonal and professional skills evaluated. Following the clinical placement students attend a debriefing workshop where clinical experiences are discussed. A case study and a personal learning objective is developed by the student after the clinical placement.

ORTH 3035 Clinical Studies III

Old code 14335. 21 credit points

Offered: February. **Prerequisite:** Clinical Studies IIA ORTH 2052 (14254) or IIB ORTH 2053 (14255), Instrumentation IIA ORTH 2050 (14252) & IIB ORTH 2051 (14251), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245); (pre- or corequisite) Clinical Project ORTH 3036 (14336). **Assumed knowledge:** Disorders of the Visual System IIA ORTH 2048 (14350) & IIB ORTH 2049 (14251).

Experiences encountered will consolidate theory presented in the program thus far and will especially relate to the second year units Instrumentation II, Concomitant Strabismus A and B and Disorders of the Visual System IIA and IIB. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3036 Clinical Project

Old code 14336. 3 credit points

Offered: February. **Corequisite:** Clinical Studies III ORTH 3035 (14335).

Students will carry out structured clinical exercises in one or more of the following areas: visual field testing, strabismus/binocular vision or retinoscopy.

ORTH 3037 Ocular Motility Disorders I

Old code 14337. 4 credit points

Offered: July. **Prerequisite:** Concomitant Strabismus A ORTH 2047 (14249) OR Concomitant Strabismus B ORTH 2043 (14245), (or corequisite) Instrumentation III (ORTH 3040) (14340). **Corequisite:** Instrumentation III (ORTH 3040).

The causes, special investigations and management of incomitant squint resulting from restrictive (mechanical) disorders and congenital syndromes will be studied.

ORTH 3038 Disorders of the Visual System III

Old code 14338. 4 credit points

Offered: July. **Assumed knowledge:** Clinical Studies III ORTH 3035 (14355).

This unit explores testing procedures for the paediatric population with emphasis on their relationship to visual development and visual acuity assessment. Common presenting problems in the paediatric age group resulting in visual disorders are studied. The purpose of vision screening is also reviewed with emphasis on examining current practice and controversies.

ORTH 3039 Rehabilitation Studies I

Old code 14339. 4 credit points

Offered: July.

The management of children with permanent visual impairment, learning difficulties and the orthoptist's role in the management of children with developmental delay are studied.

ORTH 3040 Instrumentation III

Old code 14340. 2 credit points

Offered: July. **Prerequisite:** (or corequisite) Ocular Motility Disorders I ORTH 3037 (14337).

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

ORTH 3041 Elective Study

Old code 14341. 3 credit points

Offered: July.

Students negotiate an approved study, either from within the School of Orthoptics or from another School or Department in the Faculty of Health Sciences or the wider University. The choice of study will be dependant on availability and timetabling constraints.

ORTH 3044 Research Proposal Part A

Old code 14344. 3 credit points

Offered: February.

Students will develop their investigative and writing skills to produce a critical literature review of an area of research interest. As the outcomes of this review will form a substantial component of Research Proposal Part B it will be graded on a Satisfactory/Unsatisfactory basis only.

ORTH 3046 Research Proposal Part B

Old code 14346. 4 credit points

Offered: July.

This topic reviewed in Research Proposal Part A will be further developed to produce a thorough analysis of a research question, including a full description of the methods to be used, the implications of the proposed research and the submission of an application for approval to the appropriate University's Ethics Committee. Students will also present a seminar on their proposed research to a critical audience.

ORTH 4007 Ocular Motility Disorders II

Old code 14408. 4 credit points

Offered: February.

Disorders associated with cortical ocular motor control and neurological disorders of eye movement (supranuclear and infranuclear) are studied, along with their special assessment procedures and management.

ORTH 4008 Disorders of the Visual System IV

Old code 14409. 4 credit points

Offered: February.

This unit complements 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

Old code 14410. 4 credit points

Offered: February.

The visual implications of sensory and motor impairment and plasticity are studied, with emphasis on communication issues, visual impairment, management of visual field anomalies and orientation and mobility training.

ORTH 4010 Professional Studies

Old code 14411. 4 credit points

Offered: February.

Special issues relating to professional practice are discussed, covering complex case studies, medico legal issues, ethics, and occupational health.

ORTH 4011 Research Project

Old code 14412. 4 credit points

Offered: July.

Students will carry out a guided research exercise relevant to orthoptic practice.

ORTH 4012 Clinical Studies IV

Old code 14413. 20 credit points

Offered: July. **Prerequisite:** Clinical Studies III ORTH 3035 (14335); Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408); Instrumentation III ORTH 3040 (14340); Disorders of the Visual System III ORTH 4008 (14409). **Assumed knowledge:** Rehabilitation Studies II ORTH 4009 (14410).

This placement provides the clinical experiences that consolidate the second semester year 3 and first semester year 4 theoretical units, as well as providing opportunity to integrate all components of the course. Students will be required to attend case analysis sessions and conduct the off campus component of their professional elective in this unit.

ORTH 4013 Professional Elective

Old code 14414. 4 credit points

Offered: July.

Students will carry out a guided theoretical and clinical elective study in one of the following - low vision, developmental delay, stroke rehabilitation, vision and driving, contact lenses, ocular motility, visual electrodiagnosis, practice issues.

ORTH 4018 Research Report

Old code 14419. 12 credit points

Offered: Full Year (starts Feb).

Semester 1: 2 credit points. Semester 2: 10 credit points.

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

ORTH 4019 Clinical Studies IVH

Old code 14420. 20 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Clinical Studies III ORTH 3035 (14335), Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408), Instrumentation III ORTH 3040 (14340), Disorders of the Visual System IV ORTH 4008 (14409).

Semester 1: 4 credit points. Semester 2: 16 credit points.

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

School of Behavioural and Community Health Sciences

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

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

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

Bachelor of Behavioural Health Science

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

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

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

- That they are enrolled in at least 12 credit points per semester.
- That they make satisfactory progress in the course in subsequent semesters.
- That the course is completed within the maximum time 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. It is recommended that students applying on the basis of Higher School Certificate results have a minimum of 2 units of English or 2 units of Mathematics.

Course outline

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

Table 7.1: Bachelor of Behavioural Health Science

Course code	Mode of offer			
2553	Pass course; Full-time, 3 years			
2559	Honours program, Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass program				
Year 1				
BACH1021	(2511A)	Introduction to Health Psychology	6	-
BACH 1022	(2511B)	Social Psychology and Communication	-	6
BACH1023	(2511C)	Introduction to Health Sociology	6	-
BACH1024	(2511D)	Clients, Practitioners & Organisation	-	6
BACH 1025	(25 HE)	Professional Practice and Ethics I	-	5
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BIOS 1112	(111C1)	Human Anatomy and Physiology A	4	-
BIOS 1113	(111C2)	Human Anatomy and Physiology B	-	4
		Elective Studies ¹	2	-
HIMT1043	(09143)	Microcomputer Applications	3	-
Stage total (48 credit points for Year 1)			24	24
Year 2 (2000 only)				
<i>Health Psychology Major</i>				
BACH 1026	(251 IF)	Research Methods I: Design	3	-
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BACH2034	(2521N)	Abnormal Behaviour	3	-
BACH2036	(252 IP)	Disability Studies	3	-
BACH2037	(2521Q)	Cognitive Functioning	-	3
BACH2038	(2521R)	Health and Social Theory	6	-
BACH2039	(2521S)	Organisational Studies	-	6
BACH2124	(2521Y)	Behaviour Management	3	-
HIMT2041	(09342)	Human Resource Management	3	-
		Elective Studies ¹	3	3
		Psychology Electives ²	-	6
		Sociology Elective ³	-	3
Stage total (48 credit points for Year 2)			24	24
Year 2 (2000 only)				
<i>Health Sociology Major</i>				
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BACH2034	(2521N)	Abnormal Behaviour	3	-
BACH2036	(2521P)	Disability Studies	3	-
BACH2038	(2521R)	Health and Social Theory	6	-
BACH2040	(2521T)	Health Policy and Service Delivery	-	6
BACH2039	(2521S)	Organisational Studies	-	6
HIMT3041	(09342)	Human Resource Management	3	-
		Elective Studies ¹	3	-
		Psychology Electives ²	-	9
		Sociology Electives ³	3	-
Stage total (48 credit points for Year 2)			24	24
Year 2 (to be first offered in; 2001)				
<i>Health Psychology Major</i>				
BACH2034	(2521N)	Abnormal Behaviour	3	-
BACH2036	(2521P)	Disability Studies	3	-
BACH2037	(2521Q)	Cognitive Functioning	-	3
BACH2038	(2521R)	Health and Social Theory	6	-
BACH2039	(2521S)	Organisational Studies	-	6
BACH2124	(2521Y)	Behaviour Management	3	-
HIMT2041	(09342)	Human Resource Management	3	-
		Elective Studies ¹	6	6
		Psychology Electives ²	-	6
		Sociology Elective ³	-	3
Stage total (48 credit points for Year 2)			24	24

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 2 (to be first offered in 2001)				
<i>Health Sociology Major</i>				
BACH2034	(2521N)	Abnormal Behaviour	3	-
BACH2036	(2521P)	Disability Studies	3	-
BACH2038	(2521R)	Health and Social Theory	6	-
BACH2039	(2521S)	Organisational Studies	-	6
BACH2040	(2521T)	Health Policy and Service Delivery	-	6
HIMT3041	(09342)	Human Resource Management	3	-
		Elective Studies ¹	6	3
		Psychology Electives ²	-	9
		Sociology Elective ³	3	-
Stage total (48 credit points for Year 2)			24	24
Year 3 (to be first offered in 2001)				
<i>Health Psychology Major</i>				
BACH2040	(2521T)	Health Policy and Service Delivery	-	6
BACH3075	(25373)	Health Psychology	6	-
BACH3076	(25374)	Counselling and Assessment	6	-
BACH3077	(25375)	Workplace Attachment	-	6
BACH3078	(25376)	Professional Practice and Ethics II	3	-
BACH5298	(25594)	History and Philosophy of Scientific Methodology	6	-
		Elective Studies ¹	3	6
		Psychology Elective ²	-	3
		Sociology Elective ³	-	3
Stage total (48 credit points for Year 3)			24	24
Year 3 (to be first offered in 2001)				
<i>Health Sociology Major</i>				
BACH2598	(25594)	History and Philosophy of Scientific	6	-
BACH3077	(25375)	Workplace Attachment	-	6
BACH3078	(25376)	Professional Practice and Ethics II	3	-
BACH3079	(25377)	Health Policy Development	6	-
		Elective Studies ¹	6	6
		Psychology Elective ²	-	3
		Sociology Electives ³	3	9
Stage total (48 credit points for Year 3)			24	24
Honours program				
Year 4 (to be first offered in 2002)				
This is an additional year following the 3-year Pass Course				
BACH4054	(25453)	Research Project	14	20
		Research Elective ⁴	6	-
		Honours Electives ⁵	4	4
Stage total (48 credit points for Year 4)			24	24

Notes to Table 7.1

1. Elective studies may be taken from within or outside the Faculty of Health Sciences, subject to availability and prerequisites. Students must discuss their electives with their academic advisor prior to enrolment. General electives include the following (subject to minimum enrolment) - 3 credit points each

BACH3095	(25393)	Ageing, Society and Professional Practice
BACH3096	(25394)	Older People in the Community
BACH3097	(25395)	Older People in Care
BACH3098	(25396)	Psychosocial Wellbeing in Older Adults
BACH3099	(25397)	Law For Health Professionals
BACH3100	(25398)	Patient Education I

2. Psychology Electives include the following (subject to minimum enrolment) - 3 credit points each

BACH3086	(25484)	Life Span Psychology and the Family
BACH3087	(25385)	Advanced Counselling
BACH3088	(25386)	Psychology of Sport and Exercise Adherence
BACH3089	(25387)	Brain and Cognition
BACH3090	(25388)	Psychology of Motor Behaviour

3. Sociology Electives include the following (subject to minimum enrolment) - 3 credit points each

BACH1100	(25183)	Sociology of Community and Family
BACH3081	(25379)	Sociology of Sport
BACH3082	(25380)	Sociology of the Aged and Aging
BACH3083	(25381)	Culture, Health, and Illness
BACH3084	(25382)	Alternative Medicine
BACH3085	(25383)	Death and Dying

4. Research Electives - 6 credit points each

BACH4055	(25454)	Intermediate statistics
BACH4056	(25455)	Qualitative Research Methods
BACH4057	(25456)	Survey Research Methods

5. Honours Electives (offered subject to minimum enrolment) - 4 credit points each

BACH4058	(25457)	Abnormal Psychology and Mental Health
BACH4059	(25458)	Addictive Behaviours
BACH4060	(25459)	Cognitive Function in Neurological Disorders
BACH4061	(25460)	Organisational Psychology
BACH4062	(25461)	Stress and Coping
BACH4063	(25462)	Stress and Disability
BACH4064	(25463)	Disability and the Community
BACH4065	(25464)	Ethnic Minorities and Health Care in Australia
BACH4066	(25465)	Health and Cultural Pluralism
BACH4067	(25466)	Occupational Health and Stress
BACH4068	(25467)	Organisational structures in Health Contexts

Bachelor of Health Science (Rehabilitation Counselling)

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

The degree was only able to be completed on a full-time basis. A minimum of three years enrolment was required for those undertaking the course on a full-time basis. No new enrolments have been accepted into this course since 1997. The year 2000 is the final year of this course with the last cohort of students entering the Honours Program. New students need to enrol in the Four year BHLthSc(RC) which commenced in 1998 (see Course Code 2531).

Admission requirements

There are no specific requirements for admission to the Bachelor of Health Science (Rehabilitation Counselling).

Refer to general admission requirements in Chapter 3. 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 the areas of rehabilitation, counselling and/or education.

Mature age applicants may be required to attend the Faculty for an interview.

Course outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) full-time mode is presented in Table 7.2.

Table 7.2: Bachelor of Health Science (Rehabilitation Counselling)

Course code	Mode of offer			
2504	Full-time; 3 years (not offered after 1999)			
2512	Honours Program; Full-time, 4 years (last offered in 2000)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Honours program				
<i>Year 4 (to be last offered in 2000)</i>				
REHB4000	(25413)	Honours Workshop	3	-
REHB4001	(25414)	Thesis	18	24
		Research Elective ¹	3	-
Stage total (48 credit points for Year 4)			24	24

Note

1. Research Elective. Students select two of the units, one for each year (subject to sufficient student numbers). For Research Electives see Chapter 16.

Bachelor of Health Science (Rehabilitation Counselling)

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

The degree was 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 four years full-time.

Admission requirements

There are no specific requirements for admission to the Bachelor of Health Science (Rehabilitation Counselling). Refer to general admission requirements in Chapter 3. 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 the areas of rehabilitation, counselling and/or education.

Mature age applicants may be required to attend the Faculty for an interview.

Course outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) is presented in Table 7.2.1.

Table 7.2.1: Bachelor of Health Science (Rehabilitation Counselling)

Course code	Mode of offer			
2531	Full-time; 4 years			
2560	Honours; full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
Year 1				
REHB1000	(25136)	Vocational Rehabilitation IA	3	-
REHB1001	(25137)	Vocational Rehabilitation IB	-	3
REHB1002	(25138)	Introduction to Rehabilitation Philosophy	3	-
REHB1003	(25139)	Ethical Perspectives of Rehabilitation	-	3
REHB1004	(25140)	Professional Practice I	5	8 ¹
BACH1111	(25194)	Rehabilitation Psychology IA	3	-
BACH1112	(25195)	Rehabilitation Psychology IB	-	3
BACH1026	(2511F)	Research Methods I: Design	3	-
BACH1029	(25111)	Introduction to Health Sociology	3	-
BACH 1036	(2511P)	Clients, Practitioners and Organisations	-	3
BIOS 1110	(111B9)	Human Anatomy and Physiology A	4	-
BIOS1111	(11 ICO)	Human Anatomy and Physiology B	-	4
Stage total (48 credit points for Year 1)			24	24
Year 2				
REHB2000	(25224)	Rehabilitation Counselling IA	2	-
REHB2001	(25225)	Rehabilitation Counselling IB	-	2
REHB2002	(25226)	Vocational Rehabilitation IIA	2	-
REHB2003	(25227)	Vocational Rehabilitation IIB	-	2
REHB2004	(25228)	Case Management and Rehabilitation Planning I	2	-
REHB2005	(25229)	Case Management and Rehabilitation Planning II	-	2
REHB2006	(25230)	Occupational Health, Disability and Rehabilitation A	2	-
REHB2007	(25231)	Occupational Health, Disability and Rehabilitation B	-	2
REHB2008	(25232)	Professional Practice II	9	12
BACH2023	(2521C)	Rehabilitation Psychology IIA	2	-
BACH2024	(2521D)	Rehabilitation Psychology IIB	-	2
BACH 1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
BIOS2086	(112E1)	Pathophysiology and Pharmacology A	2	-
BIOS2087	(112E2)	Pathophysiology and Pharmacology B	-	2
Stage total (48 credit points for Year 2)			24	24
Year 3 (offered in 2000)				
REHB3002	(25307)	Rehabilitation Counselling IIA	3	-
REHB3003	(25308)	Rehabilitation Counselling IIB	-	3
REHB3004	(25309)	Vocational Rehabilitation IIIA	2	-
REHB3005	(25310)	Vocational Rehabilitation IIIB	-	2
REHB3006	(25311)	Accident Compensation Schemes Practicum	2	-
REHB3007	(25312)	Avocational Rehabilitation	-	2
REHB3008	(25313)	Legal Perspectives of Rehabilitation	-	2
REHB3009	(25314)	Medical Aspects of Disability A	2	-
REHB3010	(25315)	Psychiatric Rehabilitation	-	2
REHB3023	(25329)	Medical Aspects of Disability B	-	2

Unit code	(old code)	Unit name	Sem 1	Sem 2
		Elective I (from Gp. A)	2	-
		Elective II (from Gp. A)	2	
		Elective III (from Gp. A or B)	-	2
		Elective IV (from Gp. A or B)	-	2
REHB3011	(25316)	Professional Practice III	7	7
REHB3012	(25317)	Philosophy and Politics of Disability and Rehabilitation	2	-
BACH3071	(25369)	Behaviour Disorders and Management	2	-
Stage total (48 credit points for Year 3)			24	24

Year 4 (to be first offered in 2001)

REHB4002	(25420)	Rehabilitation Counselling IIIA	3	-
REHB4003	(25421)	Rehabilitation Counselling IIIB	-	3
REHB4004	(25422)	Group Research Project	3	3
BACH4050	(25449)	Research Methods: Intermediate Statistics	3	-
		Elective V (from Gp. A)	2	-
		Elective VI (from Gp. A or B)	-	2
		Elective VII (from Gp. A or B)	-	2
REHB4005	(25424)	Professional Practice IV	13	14
Stage total (48 credit points for Year 4)			24	24

Honours Program**Year 1 and 2**

As for Pass program

Year 3 (to be first offered in 2000)

As for Pass Program, PLUS: one Research Elective (see Chapter 16)

REHB3037	(25318)	Honours Workshop	-	2
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Year 4 (to be first offered in 2001)

REHB4002	(25420)	Rehabilitation Counselling IIIA	3	-
REHB4003	(25421)	Rehabilitation Counselling IIIB	-	3
REHB4005	(25424)	Professional Practice IV	13	14
REHB4006	(25425)	Thesis	8	7
Stage total (48 credit points for Year 4)			24	24

Electives**Group A**

AHCD3012	(07346)	Aboriginal Studies
REHB3024	(253A1)	Rehabilitation and Substance Abuse
REHB3025	(253A2)	Rehabilitation of Public Offenders
REHB3026	(253A3)	Rehabilitation of Persons with Developmental Disability
REHB3027	(253A4)	Rehabilitation and Older People
REHB3028	(253A5)	Rehabilitation of Persons with Acquired Brain Injury
REHB3029	(253A6)	Rehabilitation of Persons from NESB
REHB3030	(253A7)	Rehabilitation of Persons with Vision Impairment
REHB3031	(253A8)	Rehabilitation of Persons with Hearing Loss
REHB3032	(253A9)	Rehabilitation of Spinal Injury
REHB3033	(253B1)	Rehabilitation of Persons Living with HIV/AIDS
REHB3034	(253B2)	Rehabilitation and Post-Traumatic Stress Disorders
REHB3035	(253B3)	Chronic Pain in Rehabilitation

Group B

AHCD3013	(07347)	Health Promotion I
AHCD3014	(07348)	Health Promotion II
BACH3103	(253B5)	Contemporary Issues in Health and Medicine
BACH3104	(253B6)	Health Planning, Policy and Evaluation
BACH3105	(253B7)	Computing Applications for Health Practitioners
BACH3106	(253B8)	Occupational Health and Stress
BACH3108	(253B9)	Psychoanalysis, Health, Gender and Family
BACH3109	(253C1)	Stress and Coping
BACH3110	(253C2)	Stress and Disability
BACH3111	(253C3)	Lifespan Psychology and Family
BACH3112	(253C4)	Alternative Medicine
BACH3113	(253C5)	Cognitive Functioning
BACH3114	(253C6)	Behaviour Modification and Cognitive Therapy
BIOS4043	(11497)	Selected Studies in Biomedical Sciences
REHB3036	(253B4)	Leisure and Recreation for People with Disability

Field experience/ 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 supporting seminars, tutorials and agency visits. At least one placement is to be supervised by a practising/qualified rehabilitation counsellor.

All students are required to complete 600 hours of supervised field practice over the three year program, in the unit Professional Practice. This includes block field placements to be undertaken in years 2 and 3 during the inter-semester breaks.

Field placements are arranged by the Coordinator of Professional Practice who is 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.

Assessment: a pass in this unit is dependent on assessment of each field placement on the basis of:

- agency supervisor's student evaluation
- a daily log or report on the field experience activities and impressions, including a case study
- satisfactory performance and attendance at the tutorials and agency visits/seminars component of the field experience program.

The Coordinator of Professional Practice can be contacted on (02)93519329.

Field placement dates - Bachelor of Health Science (Rehabilitation Counselling)

Year 1

118 hours during semester and inter-semester periods.

Year 2

26 June to 14 July (inter-semester break). Note: Students will be expected to have completed four weeks supervised field experience/agency work by the end of semester 1 year 2, before commencement of this placement.

Year 3

26 June to 14 July (inter-semester break). Note: Some modifications to these schedules are possible to accommodate time constraints of students and supervisors.

Units of study

BACH 1021 Introduction to Health Psychology

Old code 2511 A. 6 credit points

Offered: February.

This unit provides an introduction to fundamental areas of psychology relevant to health. Psychology is the study of the mind and human behaviour, and the richness of this field is explored in this unit. Major topics include the study of emotion and motivation, learning and cognition, personality, abnormal psychology, health psychology, and theories of development across the life span. At the completion of the unit students will be expected to have a sound understanding of the major principles informing psychology, the notion of empiricism and scepticism as necessary for the acquisition of knowledge, and an understanding of the major schools in psychology. Students will also be expected to have a clear understanding of how psychology impacts upon daily life in general, and health in particular. Lectures are accompanied by seminars in which practical exercises are undertaken, and where the development of sound social science writing skills is facilitated.

BACH 1022 Social Psychology and Communication

Old code 2511B. 6 credit points

Offered: July. **Prerequisite:** Introduction to Health Psychology BACH 1021 (2511 A).

This unit comprises two modules. Module 1 provides students with theoretical and applied perspective's on topics such as social perception, altruism, interpersonal relations, attitudes and behaviour, aggression, violence, conformity and obedience, one of which will be examined in greater depth in an independent study component. The student is expected to demonstrate both research and analytic skills in this component of the unit. The second module introduces the student to theories of therapeutic communication, basic counselling skills, and special applications of communication such as team decision making, conflict resolution and dealing with crisis and loss. Communication lectures introduce the students to techniques and approaches involved in the development of sound oral and group communication skills, and complements the development of written skills acquired in Introduction to Health Psychology.

BACH 1023 Introduction to Health Sociology

Old code 2511C. 6 credit points

Offered: February.

This unit provides an understanding of basic sociological concepts and theories and their applications in analysing health in Australia. The unit also develops the ability to critically examine and evaluate aspects of society often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. Students will apply the approach in assessing the major problems confronting the delivery of health services in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1024 Clients, Practitioners and Organisations

Old code 2511D. 6 credit points

Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C).

This unit examines sociological perspectives relating to work, organisations and clients. It integrates organisational dimensions and problems of client interactions, aspects of work and non-work, and sociological approaches to practitioner-client relationships. Students will be expected to develop a series of alternate organisational approaches in a problem solving exercise.

BACH 1025 Professional Practice and Ethics I

Old code 2511E. 5 credit points

Offered: July.

This unit introduces the student to the broad requirements of working at both the clinical and policy level in the health system. The unit introduces students to notions of values and conflicts, and explores the role of ethics, and ethical reasoning, within contemporary approaches to public life and health service

delivery. The role of professionalisation, registration, and interest groups as promoting codes of conduct and the implications of these for both legal and ethical practice will be considered. The unit also provides information relating to the various laws pertaining to health practice, such as Duty of Care legislation, privacy laws, and various mental health acts. Students will be introduced to the notion of a legislative framework as a special circumstance underlying health service activities, and the ability to read and reflect on this framework will be developed. The unit also provides an introduction to skills in negotiation and dispute resolution in work settings.

BACH 1026 Research Methods I: Design

Old code 2511F. 3 credit points

Offered: February.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as 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 science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

BACM 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points

Mr Alan Jones, (02) 9351 9590

Offered: February, July. **Prerequisite:** (or corequisite by permission) Research Methods I: Design BEHS 1129 (101E7).

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.

BACH 1029 Introduction to Health Sociology

Old code 25111. 3 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1036 Clients, Practitioners and Organisations

Old code 2511 P. 3 credit points

Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029(25111).

This unit uses sociological perspectives to analyze key interpersonal and organizational aspects of therapy and work in health care settings. The focus will be on client-practitioner relation-

ships and upon the legislative and institutional context of work and health care provision.

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098(25181).

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.

BACH 1111 Rehabilitation Psychology IA

Old code 25194. 3 credit points

Offered: February.

NB: Also available in off-campus mode.

Students gain an understanding of the major theoretical perspectives, concepts and vocabulary of psychology as the science of human behaviour. How individuals perceive, think about and behave in the world is examined as well as explaining and predicting what they might do at any particular time.

BACH 1112 Rehabilitation Psychology IB

Old code 25195. 3 credit points

Offered: July.

The unit allows students to apply the principles of psychology examined in Semester 1. Students complete a series of practical exercises, beginning with structured activities in class and leading to small group projects in areas of special interest. The practical exercises will require students to consider design issues, participate in data collection, evaluate findings and communicate findings.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points

Offered: February, July. **Prerequisite:** Research Methods I: Design BACH 1026 (2511F) or Research Method I.

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.

BACH 2023 Rehabilitation Psychology IIA

Old code 2521C. 2 credit points

Offered: February. **Prerequisite:** Rehabilitation Psychology IA BEHS 1118 (101D6) and Rehabilitation Psychology IB BEHS 1119 (101D7).

Students learn a general understanding of the social position and life experiences of people with disabilities. On the basis of this knowledge, students are able to examine their own attitudes and professional behaviour towards people with disabilities and make changes to improve the effectiveness of the services they deliver.

Impact of disability. Factors are studied which influence people's reactions and adjustment to disability. Resources are identified in the individual and the community which facilitate full participation in the life of the community.

Cognitive and neurological function. An introduction to fundamental areas of normal cognitive function and changes which occur as a result of brain dysfunction. Application is made to the management of cognitive deficits.

BACH 2024 Rehabilitation Psychology MB

Old code 2521D. 2 credit points

Offered: July. **Prerequisite:** Rehabilitation Psychology IA BEHS 1118(101 D6) and Rehabilitation Psychology IB BEHS 1119 (101D7).

Social psychology. Introduction to theories and research on interaction between people, particularly at work. A variety of theoretical perspectives are described, allowing students to understand more effectively social processes in the workplace.

Psychology of work. Introduction to the main psychological approaches employed in understanding work behaviour. Students appreciate their own and others' work behaviour in an organisational setting.

BACH 2034 Abnormal Behaviour

Old code 2521N. 3 credit points

Offered: February. **Prerequisite:** Introduction to Health Psychology BEHS 1124(101E2).

This unit examines psychological and psychiatric approaches to abnormal behaviour and psychopathology. Students will develop an understanding of the classification of psychiatric disorders using the Diagnostic and Statistical Manual of Mental Disorders. Students will also gain an understanding of how such disorders fit into the major systems of personality developed by psychologists, and of some of the major approaches to working with people with a psychiatric disability.

BACH 2036 Disability Studies

Old code 2521 P. 3 credit points

Offered: February.

This unit provides students with a general understanding of the position in society of people with physical and intellectual disabilities. On the basis of this knowledge students will be able to adjust their attitudes and behaviour towards people with disabilities such that they improve the effectiveness of their service behaviour and achieve better relationships with clients. This unit approaches the study of disability from the perspective of psychological, social and cultural forces influencing people's reactions, and adjustment to disability.

BACH 2037 Cognitive Functioning

Old code 2521Q. 3 credit points

Offered: July. **Prerequisite:** Introduction to Health Psychology BEHS 1124(101E2).

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

BACH 2038 Health and Social Theory

Old code 2521R. 6 credit points

Offered: February. **Prerequisite:** Introduction to Health Sociology BEHS 1126 (101E4).

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

BACH 2039 Organisational Studies

Old code 2521S. 6 credit points

Offered: July. **Prerequisite:** Introduction to Health Psychology BEHS 1124 (101E2), Introduction to Health Sociology BEHS 1126 (101E4).

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 2040 Health Policy and Service Delivery

Old code 2521T. 6 credit points

Offered: July. **Prerequisite:** Introduction to Health Sociology BEHS 1126(101E4).

This unit provides an understanding of the key social aspects of health and health service provision. The unit examines Australian health policy and services, and the growth of a holistic and preventive health care focus in the Australian and international context. Cross-cultural perspectives on health, and the effects of demographic change on health and health care need and provision, are also addressed. Topics include the history and formal structure and funding of health services at federal, state and regional levels.

BACH 2124 Behaviour Management

Old code 2521Y. 3 credit points

Offered: February. **Prerequisite:** Introduction to Health Sociology BEHS 1124(101E2).

This unit explores in detail the behavioural approach to the management of abnormal behaviour and psychological difficulties. Behavioural management strategies are based on the application of learning principles to managing psychiatric disability. The module examines the theory and application of behavioural management strategies. Students will undertake an exercise in developing behavioural management skills (via a single case study) in an accompanying seminar series.

BACH 3071 Behaviour Disorders and Management

Old code 25369. 2 credit points

Offered: February.

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

BACH 3081 Sociology of Sport

Old code 25379. 3 credit points

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 Aging

Old code 25380. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: February. **Prerequisite:** Introduction to Health Sociology (101C2) or equivalent.

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.

BACH 3083 Culture, Health and Illness

Old code 25381. 3 credit points

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

BACH 3084 Alternative Medicine

Old code 25382. 3 credit points

This unit draws on cross-cultural examples of indigenous healing practices as well as current applications of alternative medicine to provide an understanding of the philosophies of alternative therapies. The content will detail the growth in the use of alternative therapies in terms of their role in the development of the holistic health movement. The unit will also provide a historical analysis of how these therapies have been increasingly assimilated into mainstream medical practice.

BACH 3085 Death and Dying

Old code 25383. 3 credit points

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

BACH 3086 Life Span Psychology and the Family

Old code 25384. 3 credit points

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

BACH 3087 Advanced Counselling

Old code 25385. 3 credit points

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

BACH 3088 Psychology of Sport and Exercise Adherence

Old code 25386. 3 credit points

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

BACH 3089 Brain and Cognition

Old code 25387. 3 credit points

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

BACH 3090 Psychology of Motor Behaviour

Old code 25388. 3 credit points

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 3095 Ageing Society and Professional Practice

Old code 25393. 3 credit points

Assumed knowledge: Introduction to Health Sociology BEHS 1126 (101E4).

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

BACH 3096 Older People in the Community

Old code 25394. 3 credit points

Assumed knowledge: Introduction to Health Sociology BEHS 1126 (101E4).

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

BACH 3097 Older People in Care

Old code 25395. 3 credit points

Assumed knowledge: Introduction to Health Sociology BEHS 1126 (101E4).

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

BACH 3098 Psychosocial Wellbeing in Older Adults

Old code 25396. 3 credit points

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

BACH 3099 Law for Health Professionals

Old code 25397. 3 credit points

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

BACH 3100 Patient Education I

Old code 25398. 3 credit points

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

BIOS 1110 Human Anatomy and Physiology A

Old code 111B9. 4 credit points

Offered: February.

This unit introduces cellular structures and function including cellular metabolism, protein synthesis and cell division. In order to understand the structure and functions of the cell some aspects of chemistry and biochemistry will be discussed. Growth, development and aging of humans will also be covered. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available.

BIOS 1111 Human Anatomy and Physiology B

Old code 111C0. 4 credit points

Offered: July.

This unit is an introduction to the systems of the body using the theme of homeostasis. The eight systems studied are the digestive, endocrine, cardiovascular, respiratory, nervous, renal, musculoskeletal and reproductive systems. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available for the student's use.

BIOS 1112 Human Anatomy and Physiology A

Old code 111C1. 4 credit points

Offered: February.

This unit introduces cellular structures and function including cellular metabolism, protein synthesis and cell division. In order to understand the structure and functions of the cell, some aspects of chemistry and biochemistry will be discussed. Growth, development and aging of humans will also be covered. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available.

BIOS 1113 Human Anatomy and Physiology B

Old code 111C2. 4 credit points

Offered: July.

This unit is an introduction to the systems of the body using the theme of homeostasis. The eight systems studied are the digestive, endocrine, cardiovascular, respiratory, nervous, renal, musculoskeletal and reproductive systems. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available for student's use.

BIOS 2086 Pathophysiology and Pharmacology A

Old code 112E1. 2 credit points

Offered: February. **Prerequisite:** Human Anatomy and Physiology A BIOS 1110 (11189) and Human Anatomy and Physiology B BIOS 1111 (111 CO).

This unit will consist of 2 modules of study:

Basic Pathophysiology: An introduction to the pathophysiological basis of ill health and disease.

Introduction to pharmacology: Basic pharmacological principles and the use, actions and side effects of common drugs.

BIOS 2087 Pathophysiology and Pharmacology B

Old code 112E2. 2 credit points

Offered: July. **Prerequisite:** Human Anatomy and Physiology A BIOS 1110 (111B9) and Human Anatomy and Physiology B BIOS 1111 (111 CO).

This unit will consist of 2 modules of study:

Microbiology: An introduction to the range of infectious organisms, together with the principles of cross infection and basics of immune function.

Neuromuscular basis of disability: An introduction to the pathophysiological basis of diseases in the nervous and neuromuscular systems and the basis of management.

HIMT1039 Microcomputer Applications

Old code 09139. 4 credit points

Offered: February.

In this unit students are introduced to microcomputers. This includes the Windows Operating System, a spreadsheet and a word processing package. Students evaluate advantages and limitations of microcomputers in comparison to mainframe computers and learn to use E-mail, the Internet, and CD-ROM based knowledge-bases.

HIMT 2041 Human Resource Management

Old code 09342. 3 credit points

Offered: February.

This unit is designed to introduce the student to the human resource management function relevant to the work of a health information 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 and students are taught how to prepare their own curriculum vitae.

HIMT 3041 Human Resource Management

Old code 09342. 3 credit points

Offered: February.

This unit is designed to introduce the student to the human resource management function relevant to the work of a health information 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 and students are taught how to prepare their own curriculum vitae.

REHB1000 Vocational Rehabilitation IA

Old code 25136. 3 credit points

Offered: February. **Prerequisite:** Vocational Development, Counselling and Disability.

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.

REHB1001 Vocational Rehabilitation IB

Old code 25137. 3 credit points

Offered: July. **Prerequisite:** Vocational Rehabilitation IA REHB 1000 (25136), Vocational Counselling, Planning and Disability.

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 Introduction to Rehabilitation Philosophy

Old code 25138. 3 credit points

Offered: February.

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.

REHB 1003 Ethical Perspectives of Rehabilitation

Old code 25139. 3 credit points

Offered: July.

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 1004 Professional Practice I

Old code 25140. 13 credit points

Offered: Full Year (starts Feb).

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

REHB 2000 Rehabilitation Counselling IA

Old code 25224. 2 credit points

Offered: February.

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.

REHB 2001 Rehabilitation Counselling IB

Old code 25225. 2 credit points

Offered: July.

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

REHB 2002 Vocational Rehabilitation IIA

Old code 25226. 2 credit points

Offered: February.

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.

Practical: Client Vocational Assessment.

REHB 2003 Vocational Rehabilitation MB

Old code 25227. 2 credit points

Offered: July.

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.

Practical: Assessing the Job and the Workplace.

REHB 2004 Case Management and Rehabilitation Planning I

Old code 25228. 2 credit points

Offered: February.

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

REHB 2005 Case Management and Rehabilitation Planning II

Old code 25229. 2 credit points

Offered: July. **Prerequisite:** Case Management and Rehabilitation Planning I COMH 2063 (08279).

The unit builds on the theoretical base presented in Case Management and Rehabilitation Planning I. Students are introduced to the fundamental elements of the case management process as they relate to all rehabilitation clients. Exercises relevant to each of the stages/aspects of the process are presented. Students are introduced to computerised case management systems to assist in the management of work injury cases. During the course, students are asked to case manage clients from beginning to end. Some clients have a compensation history, and the others have no compensation involvement.

REHB 2006 Occupational Health, Disability and Rehabilitation A

Old code 25230. 2 credit points

Offered: February.

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

REHB 2007 Occupational Health, Disability and Rehabilitation B

Old code 25231. 2 credit points

Offered: July.

The pattern of occupational injury and illness in Australia is described and explained in terms of the organisation of work, and also the rehabilitation of people with work-related disabilities is analysed in the context of the various social strategies devised to

deal with the widespread failure of measures to prevent workplace injuries and illnesses.

REHB 2008 Professional Practice II

Old code 25232. 21 credit points

Offered: Inter-semester.

The practicum includes two field practice placements to be undertaken at separate agencies. The first placement provides students with an orientation to the practical application of their studies up to four weeks of field experience in an agency of their choice. This placement is to be completed by the end of Semester 1. Students are strongly advised to undertake this first placement in the pre-year 2 annual recess in order to avoid overload during semester time. The second placement is a 210 hours (6 weeks) practicum to be undertaken as a block during the inter-semester recess. The practicum provides students with the opportunity to put into practice in their supervised setting knowledge acquired in their studies.

REHB 3002 Rehabilitation Counselling IIA

Old code 25307. 3 credit points

Offered: February.

This unit provides skills acquisition in advanced counselling skills applied in a rehabilitation counselling context.

REHB 3003 Rehabilitation Counselling IIB

Old code 25308. 3 credit points

Offered: July.

This unit covers adjustment to disability theory and the application of counselling skills applied in a rehabilitation counselling context.

REHB 3004 Vocational Rehabilitation IIIA

Old code 25309. 2 credit points

Offered: February.

Students are introduced to the placement process and the issues involved in securing meaningful work for persons with disabilities. Students also become aware of the problems faced by individuals when they return to work following injury or disability.

Students are introduced to an approach of "marketing" clients in the work place in order to increase the job options that are made available to them. Post-placement services that can be offered in order to encourage long term mutually beneficial relationships between employers and rehabilitation counsellors/ providers are outlined.

REHB 3005 Vocational Rehabilitation NIB

Old code 25310. 2 credit points

Offered: July.

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 3006 Accident Compensation Schemes Practicum

Old code 25311. 2 credit points

Offered: February.

Students are exposed to the critical sections of the major accident compensation schemes in the state of New South Wales (Work Cover, Comcare, Motor Accident Act). Reference is made to the relevant sections of the Acts which impact on rehabilitation service. Other services available through the schemes to support the legislation and its requirements are also discussed. In each case, actual case studies are used to demonstrate the way in which the particular section of the Acts is put into practice. Students are made familiar with the coding and costing of rehabilitation service under the Acts. The emphasis throughout is on the use of actual case studies in order to point out good and bad case management and service provision under the legislations.

REHB 3007 Avocational Rehabilitation

Old code 25312. 2 credit points

Offered: July.

This unit introduces and explores key issues in the provision of non-vocational programs and long-term case management for people with disability. The range of non-vocational options, including recreation and leisure, sport and social skills programs

are investigated. Students have opportunities to identify the need for non-vocational programs through case studies, and develop rehabilitation counselling skills to facilitate access to client specific options.

REHB 3008 **Legal Perspectives of Rehabilitation**

Old code 25313. 2 credit points

Offered: July.

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.

REHB 3009 **Medical Aspects of Disability A**

Old code 25314. 2 credit points

Offered: February.

The unit aims to provide a background of information and knowledge of the medical basis of disability and the implications for rehabilitation practice. The first semester covers the following body systems: Cardiovascular, Respiratory, Renal, Urinary, Musculoskeletal and the Nervous System. Students familiarise themselves with the biological aspects of various disabling conditions and the implications for rehabilitation.

REHB 3010 **Psychiatric Rehabilitation**

Old code 25315. 2 credit points

Offered: July.

Students are made aware of historical perspectives in the treatment of psychiatric conditions. Explanatory models for neurotic and psychotic conditions are discussed. Current practice in rehabilitation is evaluated.

REHB 3011 **Professional Practice III**

Old code 25316. 14 credit points

Offered: Full Year (starts Feb).

Students are required to complete a supervised 6-week full-time block placement in a rehabilitation or related program. Students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning, in a supervised setting. Pre- and post-placement tutorials focus on skill development.

REHB 3012 **Philosophy and Politics of Disability and Rehabilitation**

Old code 25317. 2 credit points

Offered: February.

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

REHB 3023 **Medical Aspects of Disability B**

Old code 25329. 2 credit points

Offered: July.

The unit aims to provide a background of information and knowledge of the medical basis of disability and its implications for rehabilitation practice. The second semester covers Hearing Disorders, Visual Disorders, Bums and Dermatological Disorders, Cancer and HIV/AIDS disease.

REHB 3037 **Honours Workshop**

Old code 25318. 2 credit points

Offered: July.

Honours students are assisted with the development of their individual research projects for completion of their thesis in year four. At the completion of the unit, each student has prepared a written proposal for their research project.

REHB 4000 **Honours Workshop**

Old code 25413. 3 credit points

Offered: February.

Honours students are assisted with the development of their individual research projects for completion of their thesis in year four. At the completion of the unit, each student has prepared a written proposal for their research project.

REHB 4001 **Thesis**

Old code 25414. 42 credit points

Offered: Full Year (starts Feb).

Semester 1: 18 credit points. Semester 2: 24 credit points.

Students are given the opportunity to undertake a supervised research project in one of the range of areas of rehabilitation and/or disability. Students design and implement an approved project under the supervision of an academic staff member, and submit a thesis describing the project and its implications for service delivery and further research.

Electives (Rehabilitation Counselling)

AHCD3012 **Aboriginal Studies**

Old code 07346.

Not offered in 2000.

AHCD 3013 **Health Promotion I**

Old code 07347.

The unit provides an overview of the principles of Health Promotion. It is designed to give students a theoretical perspective of health promotion with a public health and community based framework, and with particular emphasis on the range of different approaches to health promotion practice.

AHCD 3014 **Health Promotion II**

Old code 07348. **Prerequisite:** Health Promotion I.

Using various strategies developed in Health Promotion I this unit provides the student with mechanisms to develop their own promotional programs/projects. It is a practical and hands-on unit.

BACH 3103 **Contemporary Issues in Health and Medicine**

Old code 253B5. **Prerequisite:** Health Promotion I.

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.

BACH 3104 **Health Planning, Policy and Evaluation**

Old code 253B6. **Prerequisite:** Health Promotion I.

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.

BACH 3105 **Computing Applications for Health Practitioners**

Old code 253B7. 4 credit points

Offered: Full Year (starts Feb).

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

accessing these. Resources of particular interest for students' professional practice will be emphasized.

BACH 3106 Occupational Health and Stress

Old code 253B8.

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

BACH 3108 Psychoanalysis, Health, Gender and Family

Old code 253B9.

Recent research is considered on the contribution of psychological factors to physical illness, and the differential impact of caring for elderly, ill and disabled persons on different family members. Critical appraisal is made of the main types of group therapy and family therapy, transactional analysis, psychodrama, and milieu therapy.

BACH 3109 Stress and Coping

Old code 253C1.

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

BACH 3110 Stress and Disability

Old code 253C2.

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

BACH 3111 Lifespan Psychology and Family

Old code 253C3. 3 credit points

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

BACH 3112 Alternative Medicine

Old code 253C4. 3 credit points

This unit draws on cross-cultural examples of indigenous healing practices as well as current applications of alternative medicine to provide an understanding of the philosophies of alternative therapies. The content will detail the growth in the use of alternative therapies in terms of their role in the development of the holistic health movement. The unit will also provide a historical analysis of how these therapies have been increasingly assimilated into mainstream medical practice.

BACH 3113 Cognitive Functioning

Old code 253C5. 3 credit points

Offered: July. **Prerequisite:** Introduction to Health Psychology BEHS 1124 (101 E2).

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

BACH 3114 Behaviour Modification and Cognitive Therapy

Old code 253C6. Prerequisite: Health Promotion I.

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.

BIOS 4043 Selected Studies in Biomedical Sciences

Old code 11497. Prerequisite: Health Promotion I.

Students undertake study in four topic areas covering contemporary issues in health and human biology from: (1) Sexuality and reproduction, (2) Infectious disease, (3) Causes of adverse pregnancy outcome, (4) Healthy lifestyles, (5) Effects of drug and alcohol abuse. The opportunity is provided to achieve confidence in dealing with biologically based material and to understand scientifically technical language useful in students' future professional roles.

REHB 3024 Rehabilitation and Substance Abuse

Old code 253A1. 2 credit points

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 3025 Rehabilitation of Public Offenders

Old code 253A2.

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.

REHB 3026 Rehabilitation of Persons with Developmental Disability

Old code 253A3.

The history of attitudes and services is presented. The organic and social bases of developmental disability are examined. Special emphasis is given to policy developments and community programs for independent living and vocational preparation.

REHB 3027 Rehabilitation and Older People

Old code 253A4.

The aim is to provide an understanding of population and individual ageing and its implications for the helping professions. Topics covered include: demographic ageing; ageism and social/professional values; work and retirement; ageing and disability; aged care services.

REHB 3028 Rehabilitation of Persons with Acquired Brain Injury

Old code 253A5.

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 3029 Rehabilitation of Persons from NESB

Old code 253A6.

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 3030 Rehabilitation of Persons with Vision Impairment

Old code 253A7.

Not offered in 2000.

REHB 3031 Rehabilitation of Persons with Hearing Loss

Old code 253A8.

Different types of hearing loss and their implications for communication are discussed. The merits of a range of technologi-

cal devices are assessed, and programs enabling clients to manage their hearing loss are evaluated.

REHB 3032 Rehabilitation of Spinal Injury

Old code 253A9.

Not offered in 2000.

REHB 3033 Rehabilitation of Persons Living with HIV/AIDS

Old code 2531B1.

Students are given a comprehensive introduction to the medical, health and social aspects of HIV disease. Students consider how the application of rehabilitation principles can assist people living with HIV/AIDS, and investigate the role rehabilitation counsellors play in providing services for people living with HIV infection.

REHB 3034 Rehabilitation and Post-Traumatic Stress Disorder

Old code 253B2.

The history and development of 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 3035 Chronic Pain in Rehabilitation

Old code 253B3.

NB: Not offered in 2000.

REHB 3036 Leisure and Recreation for People with Disability

Old code 253B4.

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

School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders is not only the first and the largest program in communication sciences and disorders in New South Wales, it is among the largest of such programs in Australia. It stems from 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 who represent a range of speciality and research areas in human communication sciences and communication disorders. These are advantages that provide students with the distinct benefit of studying with experts in their fields, individuals who are researchers in the areas in which they teach. 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 students to study for a:

- 3-year Bachelor's degree in Hearing and Speech at the Pass level - Bachelor of Health Science (Hearing and Speech) - and an additional fourth year at the Honours level - Bachelor of Health Science (Hearing and Speech) (Hons)
- 4-year, professionally qualifying Bachelor's degree in Speech Pathology at the Pass and Honours levels - Bachelor of Applied Science (Speech Pathology) and Bachelor of Applied Science (Speech Pathology) (Hons)
- Master of Health Science (Speech-Language Pathology), by distance coursework, (subject to final University approval)
- Master of Applied Science (Communication Sciences and Disorders) by research
- Master of Communication Disorders, by research
- Doctor of Philosophy (PhD) in areas related to communication sciences and disorders

The study of Hearing and Speech in the *Bachelor of Health Science (Hearing and Speech)* course prepares students to pursue a variety of exciting and different career paths in arenas involving either normal or impaired human communication. For example, graduates are prepared to move into employment in commercial fields involved in developing or marketing speech and/or hearing products, such as tests of children's speech skills, devices designed to enhance hearing ability, or books on the many topics of communication. Other graduates may seek careers in research in universities, hospitals, or commercial research laboratories or positions as hearing health educators or health promotion workers. The course also provides an excellent background for those who want to pursue further education in areas such as medicine, rehabilitation counselling, gerontology, health services management, and in particular, professional preparation in audiology, which requires graduate study.

The degree designed to prepare individuals to practise as Speech Pathologists (formerly known as Speech Therapists) is the engrossing and challenging *Bachelor of Applied Science (Speech Pathology)* course. The field of Speech Pathology involves the study and treatment of communication disorders in both children and adults. Speech Pathologists are in demand to assess and treat individuals of all ages in medical, educational, and private settings who can present with a wide variety of disorders resulting from varied aetiologies. Completion of the requirements of the course meets the

eligibility requirements for practising membership status of the Speech Pathology Association of Australia.

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 new (subject to final university approval) *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 *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 University of Sydney Clinical Affiliates are the speech pathology services of: Bankstown Hospital, Homsby-Kuringai Hospital and Community Health Services, Liverpool Health Services, the New England Area Health Service, and St Joseph's 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 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.

Information about the School and its courses of study can be obtained from Student Administration (Cumberland), (02) 9351 9161, or from the Admissions Coordinator in the School of Communication Sciences and Disorders, (02) 9351 9450, or from the School's web page at www.cchs.usyd.edu.au/Academic/CD.

Bachelor of Applied Science (Speech Pathology)

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

Full-time and Part-time Study

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

- Enrolment in the equivalent of at least 4 full units of study per academic year, except when a student has fewer 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 CSCD1xxx units of study prior to enrolling in any CSCD3xxx units.
- Completion of all year 1 units within two years.

Only a limited number of places are available for part-time enrolment and students must be prepared to accept a full-time place in the course prior to applying for part-time enrolment. Students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for.

Students requesting to enrol part-time should note that daytime attendance at lectures and clinic placements, as well as clinic block placements, are required for completion of the BAppSc (Speech Pathology) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.

Minimum time: 6 years from the initial academic year of enrolment.

Maximum time: 10 years from the initial academic year of enrolment.

- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with different first numerals in their codes, eg. CSCD2xxx and CSCD3xxx, and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet "satisfactory progress" requirements, per above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:

Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester.

Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.

Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.

A recommended background unit of study should be completed before enrolling in a unit for which it is listed. Enrolment in any unit of study without completion of recommended background units of study is not advised and students doing so carry the responsibility for their decision. In any case, a student wishing to enrol in a unit of study without completion of the recommended background units must consult with the unit's coordinator.

- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing these with the Part-time Student Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Speech Pathology) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit English, and one of 2 unit Chemistry, or 3/4 unit Science at HSC level.

Course outline

The course outline for the Bachelor of Applied Science (Speech Pathology) is presented in Table 8.1.

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 8.1: Bachelor of Applied Science (Speech Pathology)

Course code	Mode of offer			
1206	Full-time, 4 years			
1217	Honours Program, Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1: Foundation Year				
BACH 1092	(25175)	Introductory Psychology	3	-
BACH 1093	(25176)	Cognitive and Developmental Psychology	-	5
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH 1095	(25178)	Disorders and their Management	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	-
BIOS 1070	(11178)	Introductory Neurobiology	3	-
BIOS1071	(11179)	Neurobiology I	-	2
BIOS1118	(111C5)	Hearing Science	-	4
BIOS1116	(111C3)	Speech Science I	3	-
BIOS1117	(111C4)	Speech Science II	-	3
CSCD1024	(12124)	Linguistics	3	-
CSCD1025	(12125)	Professional Development I: Introduction to Clinical Learning	-	2
CSCD1026	(12126)	Phonetics I	2	-
CSCD1028	(12128)	Normal Communication Development	3	-
CSCD1029	(12129)	Articulation and Phonology	-	4
Stage total (48 credit points for Year 1)			24	24
Year 2				
BACH2109	(25285)	Cognitive Neuropsychology I	-	5
BACH 1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
BIOS2062	(112B3)	Neurobiology II for Communication Disorders	6	-
CSCD2030	(12278)	Voice Science and Disorders	-	4
CSCD2041	(12289)	Language Impairments in Children I	3	-
CSCD2042	(12290)	Language Impairments in Children II	-	3
CSCD2043	(12291)	Stuttering	3	-
CSCD2051	(12299)	Professional Development IIIA: Clinical Skills	3	-
CSCD2052	(122A0)	Professional Development IIIB: Clinical Skills	-	3
CSCD2035	(12283)	Phonetics II	2	-
CSCD2040	(12288)	Audiology I	3	-
CSCD2046	(12294)	Audiological Management I	-	3
CSCD2047	(12295)	Speech and Language Impairments of Neurological Origin I	-	3
CSCD2048	(12296)	Introductory Speech Pathology Clinical I	1	-
CSCD2049	(12297)	Introductory Speech Pathology Clinical II	-	3
Stage total (48 credit points for Year 2)			24	24
Year 3				
BACH3055	(25353)	Cognitive Neuropsychology II	-	3
BACH1030	(2511J)	Introduction to Health Sociology	2	-
BACH1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH3056	(25354)	Patient Management: Theories and Applications	5	-
BACH3057	(25355)	Social and Health Psychology	-	4
BIOS3029	(11384)	Neurology for Communication Disorders	1	-
CSCD3049	(12347)	Audiological Management II	-	2
CSCD3023	(12327)	Speech and Language Impairments of Neurological Origin II	4	-
CSCD3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD3036	(12340)	Language Impairments in Children III	-	2
CSCD3032	(12336)	Professional Development III: Management Skills	3	-
CSCD3037	(12341)	Swallowing Impairments	2	-
CSCD3034	(12338)	Craniofacial Anomalies	-	3
CSCD3038	(12342)	Intermediate Speech Pathology Clinical I	4	-
CSCD3039	(12343)	Intermediate Speech Pathology Clinical II	-	8
Stage total (48 credit points for Year 3)			24	24

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

CSCD4026	(12431)	Advanced Topics A	6	-
CSCD4027	(12432)	Professional Development IVA: Advanced Issues	6	-
CSCD4028	(12433)	Advanced Speech Pathology Clinical IA	12	-
CSCD4039	(12434)	Advanced Speech Pathology Clinical IIA	-	24
Stage total (48 credit points for Group A)			24	24

Group B

CSCD4030	(12435)	Advanced Topics B	-	6
CSCD4031	(12436)	Professional Development IVB: Advanced Issues	-	6
CSCD4032	(12437)	Advanced Speech Pathology Clinical IB	-	12
CSCD4033	(12438)	Advanced Speech Pathology Clinical IIB	24	-
Stage total (48 credit points for Group B)			24	24

Completion of the requirements of the 4-year Bachelor of Applied Science (Speech Pathology) course meets the eligibility requirements for practising membership status of the Speech Pathology Association of Australia.

Honours program

Although students in the Honours program of the Bachelor of Applied Science (Speech Pathology) course undertake the same Year 1 and Year 2 units of study as students in the Pass course, their course structure in Years 3 and 4 differs. Students in the Honours program enrol in the following units of study.

Year 3

BACH 1030	(2511 J)	Introduction to Health Sociology	2	-
BACH 1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH3056	(25354)	Patient Management: Theories and Applications	5	-
BACH3055	(25353)	Cognitive Neuropsychology II	-	3
BACH3057	(25355)	Social and Health Psychology	-	4
BIOS3029	(11384)	Neurology for Communication Disorders	1	-
CSCD3023	(12327)	Speech and Language Impairments of Neurological Origin II	4	-
CSCD3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD3037	(12341)	Swallowing Impairments	2	-
CSCD3050	(12348)	Intermediate Speech Pathology: Clinical IH	4	-
CSCD3049	(12347)	Audiological Management II	-	2
CSCD3034	(12338)	Craniofacial Anomalies	-	3
CSCD3036	(12340)	Language Impairments in Children III	-	2
CSCD3051	(12349)	Honours Research Seminar I: Literature Review	2	-
CSCD3052	(12350)	Professional Development IIIH: Management Skills	1	-
CSCD3053	(12351)	Intermediate Speech Pathology Clinical HH	-	7
CSCD3054	(12352)	Honours Research Seminar II: Research Proposal	-	1
Stage total (48 credit points for Year 3)			24	24

Year 4 (Clinical-Professional Year)

CSCD4035	(12440)	Advanced Speech Pathology Clinical IH	22	-
CSCD4036	(12441)	Professional Development IVH: Advanced Issues	-	2
CSCD4037	(12442)	Advanced Speech Pathology Clinical IIIH	-	14
CSCD4038	(12443)	Honours Thesis	2	8
Stage total (48 credit points for Year 4)			24	24

Note

1. This unit includes a 3-week off-campus block placement either before or after Semester 2 as well as an on-campus clinical experience during Semester 2.

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 3 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 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 CSCD1xxx units of study prior to enrolling in any CSCD3xxx units.
- Completion of all year 1 units within two years.

Only a limited number of places are available for part-time enrolment and students must be prepared to accept a full-time place in the course prior to applying for part-time enrolment. Students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for.

Students requesting to enrol part-time should note that daytime attendance at lectures and clinic placements, as well as clinic block placements, are required for completion of the BHlthSc (Hearing and Speech) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
Minimum time: 6 years from the initial academic year of enrolment.
Maximum time: 10 years from the initial academic year of enrolment.
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with

different first numerals in their codes - eg, CSCD2xxx and CSCD3xxx - and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'satisfactory progress' requirements, per above.

- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester. Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.

A recommended background unit of study should be completed before enrolling in a unit for which it is listed. Enrolment in any unit of study without completion of recommended background units of study is not advised and students doing so carry the responsibility for their decision. In any case, a student wishing to enrol in a unit of study without completion of the recommended background units must consult with the unit's coordinator.

- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing these with the Part-time Student Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Health Science (Hearing and Speech) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit English, and one of 2 unit Chemistry or 3/4 unit Science at HSC level.

Course outline

The course outline for the Bachelor of Health Science (Hearing and Speech) is presented in Table 8.2.

Table 8.2: Bachelor of Health Science (Hearing and Speech)

Course code	Mode of Offer			
1221	Full-time, 3 years			
1222	Honours, Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1: Foundation Year				
BACH 1092	(25175)	Introductory Psychology	3	-
BACH1093	(25176)	Cognitive and Developmental Psychology	-	5
BACH1026	(251 IF)	Research Methods I: Design	3	
BACH1095	(25178)	Disorders and their Management	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	
BIOS 1070	(11178)	Introductory Neurobiology	3	
BIOS 1071	(11179)	Neurobiology I	-	2
BIOS 1118	(111C5)	Hearing Science	-	4
BIOS 1116	(111C3)	Speech Science I	3	
BIOS1117	(111C4)	Speech Science II	-	3
CSCD1024	(12124)	Linguistics	3	

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Unit code	(old code)	Unit name	Sem 1	Sem 2
CSCD1025	(12125)	Professional Development I: Introduction to Clinical Learning	-	2
CSCD1026	(12126)	Phonetics I	2	
CSCD1028	(12128)	Normal Communication Development	3	
CSCD1029	(12129)	Articulation and Phonology	-	4
Stage total (48 credit points in Year 1)			24	24
Year 2				
BACH2109	(25285)	Cognitive Neuropsychology I	-	5
BACH1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
BIOS2062	(112B3)	Neurobiology II for Communication Disorders	6	-
CSCD2030	(12278)	Voice Science and Disorders	-	4
CSCD2041	(12289)	Language Impairments in Children I	3	-
CSCD2042	(12290)	Language Impairments in Children II	-	3
CSCD2043	(12291)	Stuttering	3	-
CSCD2051	(12299)	Professional Development IIA: Clinical Skills	3	-
CSCD2052	(122A0)	Professional Development IIB: Clinical Skills	-	3
CSCD2035	(12283)	Phonetics II	2	-
CSCD2040	(12288)	Audiology I	3	-
CSCD2046	(12294)	Audiological Management I	-	3
CSCD2047	(12295)	Speech and Language Impairments of Neurological Origin I	-	3
CSCD2053	(122A1)	Communication Fieldwork I	1	-
CSCD2054	(122A2)	Communication Fieldwork II	-	3
Stage total (48 credit points in Year 2)			24	24
Year 3 (first offered in 2001)				
BACH3055	(25353)	Cognitive Neuropsychology II	-	3
BACH 1030	(2511J)	Introduction to Health Sociology	2	-
BACH1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH3056	(25354)	Patient Management: Theories and Applications	5	-
BACH3057	(25355)	Social and Health Psychology	-	4
BIOS3029	(11384)	Neurology for Communication Disorders	1	-
CSCD3049	(12347)	Audiological Management II	-	2
CSCD3058	(12356)	Auditory Perception and Processing	2	-
CSCD3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD3036	(12340)	Language Impairments in Children III	-	2
CSCD3032	(12336)	Professional Development III: Management Skills	3	-
CSCD3055	(12353)	Audiology II	4	-
CSCD3034	(12338)	Craniofacial Anomalies	-	3
CSCD3056	(12354)	Communication Fieldwork III	4	-
CSCD3057	(12355)	Communication Fieldwork IV	-	8*
Stage total (48 credit points in Year 3)			24	24
Year 4 (Honours program, first offered in 2002)				
CSCD4039	(12445)	Honours Paper I	6	-
CSCD4040	(12246)	Honours Paper II	-	6
CSCD4041	(12447)	Honours Thesis	18	18
Stage total (48 credit points in Year 4)			24	24

*This unit includes a 3 week off-campus block placement either before or after Semester 2, as well as on-campus experience during Semester 2.

Clinical education

Students in the Bachelor of Applied Science (Speech Pathology) and the Bachelor of Health Science (Hearing and Speech) courses participate in a wide variety of practicum and/or fieldwork experiences throughout their undergraduate education. These occur on-campus and in off-campus placements in metropolitan and country areas and sometimes interstate and overseas.

Dr Michelle Lincoln, the School's Director of Clinical Education, coordinates students' clinical and fieldwork experiences.

Dates

Year 2

Pre-Semester 1

Orientation, Wednesday & Friday 23-25 February

Semester 1

As arranged, 28 February 8-24 June

Pre-Semester 2

Orientation, Wednesday & Friday 12-14 July

Semester 2

As arranged, 17 July - 2 December

Year 3

Pre-Semester 1

Orientation, Wednesday & Friday 23-25 February

Semester 1

As arranged, 28 February - 24 June

Inter-Semester

3 weeks 26 June - 14 July; 11 September to 6 October

OR 3 weeks December - February

Pre-Semester 2

Orientation, Wednesday & Friday 12-14 July

Semester 2

As arranged, 17 July - 2 December

Year 4

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

Orientation, Wednesday & Friday 23-25 February

Semester 1 or 2

As arranged, 28 February - 24 June OR 17 July - 2 December

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

Orientation, Wednesday & Friday 12-14 July

Semester 2 or 1

12 weeks, 1 March - 26 June OR 28 February - 24 June

9 August - 5 November, 17 July - 2 December

Debriefing week for all year 4 students

6-10 November

Units of study

BACH 1026 Research Methods I: Design

Old code 2511F. 3 credit points

Offered: February.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as 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 science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

BACH 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points

Mr Alan Jones, (02) 9351 9590

Offered: February, July. **Prerequisite:** (or corequisite by permission) Research Methods I: Design BEHS 1129 (101E7).

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.

BACH 1030 Introduction to Health Sociology

Old code 2511 J. 2 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1032 Clients, Practitioners and Organizations

Old code 2511L. 2 credit points

Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1030 (2511 J).

This unit uses sociological perspectives to analyse key interpersonal and organizational aspects of therapy and work in health care settings. The focus will be on client-practitioner relationships and upon the legislative and institutional context of work and health care provision.

BACH 1092 Introductory Psychology

Old code 25175. 3 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning,

motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1093 Cognitive and Developmental Psychology

Old code 25176. 5 credit points
Offered: July.

This unit provides an introduction to the logic, theory and methodology of cognitive psychology and extends the study of developmental psychology begun in Introductory Psychology to consider normal human development and developmental disability.

BACH 1095 Disorders and their Management

Old code 25178. 4 credit points
Offered: July.

This unit covers the theoretical background and nature of disturbed behaviours, including a discussion of non-organically based conversion reactions in voice and other speech and language disorders, and the relationship of speech and voice disorders to underlying anxiety and depression. The classification of psycho-pathology for children and adults will be presented with evaluative comment. The types, variety and common symptoms of disorders and other important issues related to treatment will be presented. One approach to treatment, the cognitive behavioural method, will be considered.

BACH 2109 Cognitive Neuropsychology I

Old code 25285. 5 credit points
Offered: July. **Prerequisite:** (or corequisite by permission) Cognitive and Developmental Psychology BEHS 1100 (101B6).

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

BACH 3055 Cognitive Neuropsychology II

Old code 25353. 3 credit points
Dr Lynn Harris, (02) 9351 9162
Offered: July. **Prerequisite:** (or corequisite) Cognitive Neuropsychology I BEHS 2091 (102A3).

This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH 3056 Patient Management: Theories and Applications

Old code 25354. 5 credit points
Offered: February. **Prerequisite:** Introductory Psychology BEHS 1099 (101B5), Cognitive and Developmental Psychology BEHS 1100 (101B6), Disorders and their Management BEHS 1102 (101B8).

This unit examines the psychological needs of clients and their families in the context of speech pathology practice. Topics of study include detection of underlying anxiety, depression, conflict, and other psychological disorders. The client-practitioner relationship is considered, and students will acquire basic counselling skills that will enhance compliance and satisfaction with treatment. Students will apply behavioural therapies to the treatment of speech and language disorders, and diagnose and manage learning disabilities with special reference to reading delay, and to developmental and acquired reading disability in children and adults. Accurate diagnosis depends on the administration and interpretation of tests. Students will therefore develop skills in the critical evaluation of test theory and test construction, administration, and reliability and validity, with special reference to speech and language tests.

BACH 3057 Social and Health Psychology

Old code 25355. 4 credit points
Offered: July. **Prerequisite:** Introductory Psychology BEHS 1099 (101B5).

This unit focuses on psychological processes related to health care. Particular emphasis is given to stress, the effects of chronic illness and disability, and processes of social interaction in everyday and health care settings.

BIOS 1068 Introductory Human Biology

Old code 11176. 4 credit points
Offered: February.

This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division, the principles of homeostasis, genetics and blood.

BIOS 1070 Introductory Neurobiology

Old code 11178. 3 credit points
Offered: February. **Corequisite:** Introductory Human Biology BIOS 1068(11176).

This unit introduces the student to the basic structure and function of the nervous system and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1071 Neurobiology I

Old code 11179. 2 credit points
Offered: July.

This unit introduces the students to the anatomy and physiology of the nervous system, with a basic introduction to the structure and role of the somatosensory and motor pathways. A detailed discussion of the somatosensory system is included, along with a full account of spinal reflex mechanisms. The unit also contains an introduction to the autonomic nervous system. This unit of study includes anatomy laboratory classes in which human cadaveric material is examined.

BIOS 1116 Speech Science I

Old code 111C3. 3 credit points
Offered: February.

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.

BIOS 1117 Speech Science II

Old code 111C4. 3 credit points
Offered: July. **Corequisite:** Hearing Science BIOS 1118 (111C5)
Recommended background units of study Introductory Human Biology BIOS 1068 (11176), Speech Science I BIOS 1116(111 C3). 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.

BIOS 1118 Hearing Science

Old code 111C5. 4 credit points
Offered: July. **Corequisite:** Speech Science II BIOS 1117 (111C4)
Recommended background units of study Introductory Human Biology BIOS 1068 (11176), Speech Science I BIOS 1116(111 C3). 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 ear, nose and throat and the medical management of some hearing disorders. 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.

BIOS 2062 Neurobiology II for Communication Disorders

Old code 112B3. 6 credit points
Offered: February. **Prerequisite:** Neurobiology I BIOS 1071 (11179).

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.

BIOS 3029 Neurology for Communication Disorders

Old code 11384.1 credit point

Offered: February. **Prerequisite:** Neurobiology II for Communication Disorders BIOS 2062 (112B3).

Symptomology produced by lesions in different areas of the cerebral hemispheres; neurology of communication disorders, dysphasia, and dysarthria and tumours of the central nervous system; epilepsy, infections of the CNS and common neurological disorders.

CSCD 1024 Linguistics

Old code 12124. 3 credit points

Offered: February.

Nature of the communication system. Both formal and functional linguistic theories and methodologies are included. There is a skill-based component involving traditional analysis of syntax (grammar), for which attendance is required

CSCD 1025 Professional Development I: Introduction to Clinical Learning

Old code 12125. 2 credit points

Offered: July.

This unit of study introduces students to the learning orientation, professional communication skills, and basic clinical processes necessary for the course and professional practice. It provides structured observations of speech pathology clinics. Students begin their accumulation of professional development experiences required for their portfolio through involvement in relevant professional, community, or clinical services. Students become involved in the running and maintenance of the clinical Tests and Materials collection. Each student must show evidence of completion of an accredited First Aid Course (CPR) to be eligible to receive a "Pass" in this unit of study.

CSCD 1026 Phonetics I

Old code 12126. 2 credit points

Offered: February.

Phonemic and phonetic transcription of normal and deviant spoken Australian English, using the International Phonetic Alphabet. Articulatory phonetics and suprasegmental features. Australian English.

CSCD 1028 Normal Communication Development

Old code 12128. 3 credit points

Offered: February.

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

CSCD 1029 Articulation and Phonology

Old code 12129. 4 credit points

Offered: July.

Recommended background units of study: Linguistics CSCD 1024 (12124); Normal Communication Development CSCD 1028 (12128); Phonetics I CSCD 1026 (12126).

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

CSCD 2030 Voice Science and Disorders

Old code 12278. 4 credit points

Offered: July. **Prerequisite:** (or corequisite by permission) Speech Science I BIOS 1116 (111C3) and II BIOS 1117(111 C4).

Current research on respiration and voice; instrumental procedures for measuring respiratory and vocal performance; nature of voice disorders; evaluation and management of individuals with a variety of phonatory disorders.

CSCD 2035 Phonetics II

Old code 12283. 2 credit points

Offered: February.

Recommended background units of study: Phonetics I CSCD 1026 (12126); Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117 (111C4) and Hearing Science BI01118 (111C5).

A study of the relationship between articulatory phonetics, acoustic phonetics and speech perception. An introduction to phonetic applications in speech pathology.

CSCD 2040 Audiology I

Old code 12288. 3 credit points

Offered: February. **Prerequisite:** (or corequisite by permission) Speech Science I BIOS 1116(111 C3); Speech Science II BIOS 1117 (111C4) and Hearing Science BIOS 1118(111 C5).

An introduction to types of deafness, pathologies of the ear and treatment; basic audiological tests and clinical procedures for evaluating hearing in children and adults; amplification for the hearing impaired.

CSCD 2041 Language Impairments in Children I

Old code 12289. 3 credit points

Offered: February. **Prerequisite:** (or corequisite by permission) Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).

Language impairments occurring in specific language impaired children. Principles and practices of language evaluation. Developing and carrying out intervention programs.

CSCD 2042 Language Impairments in Children II

Old code 12290. 3 credit points

Offered: July. **Prerequisite:** Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Language Impairments in Children I CSCD 2041 (12289).

Language impairments occurring in children at the preverbal stages of development and in primary school aged children and adolescents. Principles and practices of language evaluation in each population. Developing and carrying out language intervention programs.

CSCD 2043 Stuttering

Old code 12291. 3 credit points

Offered: February.

Management strategies for children and adults who stutter. Consideration and critique of clinically relevant theories and research findings pertaining to the management of stuttering.

CSCD 2046 Audiological Management I

Old code 12294. 3 credit points

Offered: July.

Recommended background unit of study: Audiology I CSCD 2040 (12288).

Theoretical and clinical issues related to sensory aids for the hearing impaired, and assessment and intervention of the communication problems of hearing-impaired adults.

CSCD 2047 Speech and Language Impairments of Neurological Origin I

Old code 12295. 3 credit points

Offered: July.

Recommended background unit of study: Neurobiology II for Communication Disorders BIOS 2062 (112B3).

Description, evaluation and intervention strategies for speech motor and motor programming disorders such as dysarthria and apraxia; introduction to aphasia; overview of neurologically-based language breakdown and its management.

CSCD 2048 Introductory Speech Pathology Clinical I

Old code 12296. 1 credit point

Offered: February. **Prerequisite:** Professional Development I CSCD 1025 (12125), Articulation and Phonology CSCD 1029 (12129); Linguistics CSCD 1024 (12124), Phonetics I CSCD 1026 (12126), Normal Communication Development CSCD 1028 (12128).

Introduction to clinical work with child clients in the on-campus clinic. Students undertake structured observations of a client and serve as therapy aides to advanced students or clinical educators. Students also attend supervisory conferences with their clinical educators and other students. Student may begin to implement some therapy tasks.

CSCD 2049 Introductory Speech Pathology Clinical II

Old code 12297. 3 credit points

Offered: July. **Prerequisite:** Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126), Professional Development I CSCD 1025 (12125).

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: Clinical Skills

Old code 12299. 3 credit points

Offered: February.

Students undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences, required for their portfolio, through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent clinical practice.

CSCD 2052 Professional Development IIB: Clinical Skills

Old code 122A0. 3 credit points

Offered: July. **Prerequisite:** Professional Development I: Introduction to Clinical Learning CSCD 1025 (12125).

Students continue to undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences, required for their portfolio, through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent clinical practice, including data collection for clinical and clinical research purposes, with particular attention to single case research.

CSCD 2053 Communication Fieldwork I

Old code 122A1.1 credit point

Offered: February. **Prerequisite:** Professional Development I CSCD 1025 (12125), Articulation and Phonology CSCD 1029 (12129) or Corequisites by permission: Linguistics CSCD 1024 (12124), Phonetics I CSCD 1026 (1126), Normal Communication Development CSCD 1028 (12128).

Introduction to work with individuals attending the on-campus speech and hearing clinic. Students undertake structured observations of a client. They observe aspects of client management and the management structure of the clinic, for example Intake and Speech Pathology and Audiology assessment clinic.

CSCD 2054 Communication Fieldwork II

Old code 122A2. 3 credit points

Offered: July. **Prerequisite:** Linguistics CSCD 1024 (12124), Phonetics I CSCD 1026 (12126), Normal Communication Development CSCD 1028 (12128); Professional Development I CSCD 1025 (12125), Articulation and Phonology CSCD 1029 (12129), Stuttering CSCD 2043 (12291).

Students continue in the on-campus clinic, and begin "hands on" work with children and their caregivers, peers, and families. Students also attend supervisory conferences with their fieldwork supervisors and other students.

CSCD 3023 Speech and Language Impairments of Neurological Origin I

Old code 12327. 4 credit points

Offered: February.

Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).

Characteristics of acquired aphasia and speech impairments in adults and children; critical review of evaluation and intervention strategies; investigation of communication breakdown and its management in dementia, non-dominant cerebral lesions, closed head injury and memory impairment.

CSCD 3024 Communication Impairments in Special Populations

Old code 12328. 3 credit points

Offered: February.

Consideration of underlying paediatric conditions and particular communication and associated problems of children and adults with developmental disability, cerebral palsy, multiple disabilities, autism and autistic-like conditions, specific learning disabilities, attention deficit disorders and environmental deprivation; bilingual and Australian Aboriginal populations; alternative and augmentative communication approaches to intervention.

CSCD 3032 Professional Development III: Management Skills

Old code 12336. 3 credit points

Offered: February. **Prerequisite:** or Corequisites by permission, Professional Development IIA: Clinical Skills CSCD 2051 (12299); Professional Development IIB; Clinical Skills CSCD 2052 (122A0); Introductory Speech Pathology Clinical I CSCD 2048 (12296).

Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297).

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection.

CSCD 3034 Craniofacial Anomalies

Old code 12338. 3 credit points

Offered: July.

Recommended background units of study: Voice Science and Disorders CSCD 2030 (12278) or Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4).

Problems of craniofacial anomalies, relevant nose, throat and orthodontic pathologies and their effects on communication; implications for assessment and management; instrumental assessment of nasality.

CSCD 3036 Language Impairments in Children III

Old code 12340. 2 credit points

Offered: July. **Prerequisite:** Language Impairments in Children I CSCD 2041 (12289); Language Impairments in Children II CSCD 2042(12290).

Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297).

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

CSCD 3037 Swallowing Impairments

Old code 12341. 2 credit points

Offered: February. **Prerequisite:** (or corequisite by permission) Speech Science I BIOS 1116(111C3); Speech Science II BIOS 1177 (111C4), Neurobiology II for Communication Disorders BIOS 2062(112B3).

Description, evaluation, and intervention considerations related to clinical management of feeding and swallowing impairments in children and adults. A focus on case problem solving will be emphasised to achieve integration of theory and practical skills.

CSCD 3038 Intermediate Speech Pathology Clinical I

Old code 12342. 4 credit points

Offered: February. **Prerequisite:** Introductory Speech Pathology Clinical I CSCD 2048 (12296), Language Impairments in Children I CSCD 2041 (12289), Audiology I CSCD 2040 (12288).

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, although they may roster through off-campus sites for short-term specialist experiences. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

**CSCD 3039 Intermediate Speech Pathology
Clinical II**

Old code 12343. 8 credit points

Offered: July. **Prerequisite:** Intermediate Speech Pathology Clinical I CSCD 3038 (12342); Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327); Neurology for Communication Disorders BIOS 3029 (11384); Swallowing Impairments CSCD 3037 (12341); Voice Science and Disorders CSCD 2030 (12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. On completion of Voice Science and Disorders (CSCD 2030) students may begin observations in hospital voice clinics affiliated with the School. These visits may continue throughout years 3 and 4 of the course. A minimum number of such visits is required for a pass in this unit of study. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341) and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

CSCD 3049 Audiological Management II

Old code 12347. 2 credit points

Offered: July. **Prerequisite:** Audiology I CSCD 2040 (12288).

Recommended background units of study Articulation and Phonology CSCD 1029 (12129), Language Impairments in Children I CSCD 2041 (12289), Audiological Management I CSCD 2046 (12294)

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

**CSCD 3050 Intermediate Speech Pathology
Clinical IH**

Old code 12348. 4 credit points

Offered: February. **Prerequisite:** Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290), Audiology I CSCD 2040 (12288).

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, although they may roster through off-campus sites for short-term specialist experiences. Students are also rostered through either the Speech and Language Assessment Clinic for the Audiology Assessment Clinic.

**CSCD 3051 Honours Research Seminar I: Literature
Review**

Old code 12349. 2 credit points

Offered: February.

This unit is designed to assist Honours students with a survey of the literature relevant to their individual research projects. At the completion of this unit each student will have prepared a written literature review for his/her research project.

**CSCD 3052 Professional Development IIIH:
Management Skills**

Old code 12350.1 credit point

Offered: February. **Prerequisite:** or Corequisites by permission Professional Development IIA: Clinical Skills CSCD 2051 (12299); Professional Development MB: Clinical Skills CSCD 2052 (122A0). Recommended background unit of study: Intermediate Speech Pathology Clinical II CSCD 3039 (12343).

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications

in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio, through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students who complete this unit may be deemed as having completed CSCD 3032 (12336) Professional Development III: Management Skills.

**CSCD 3053 Intermediate Speech Pathology
Clinical IIIH**

Old code 12351. 7 credit points

Offered: July. **Prerequisite:** Intermediate Speech Pathology Clinical IH CSCD 3050 (12348); Speech & Language Impairments of Neurological Origin II CSCD 3023 (12327); Neurology for Communication Disorders BIOS 3029 (11384), Swallowing Impairments CSCD 3037 (12341); Voice Science & Disorders CSCD 2030(12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. On completion of Voice Science and Disorders (CSCD 2030) students may begin observations in hospital voice clinics affiliated with the School. These visits may continue throughout years 3 and 4 of the course. A minimum number of such visits is required for a pass in this unit of study, students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327) and Swallowing Impairments CSCD 3037 (12341). Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

**CSCD 3054 Honours Research Seminar II: Research
Proposal**

Old code 12352.1 credit point

Offered: July. **Prerequisite:** Honours Research Seminar I CSCD 3051 (12349).

This unit is designed to assist Honours students with the development of a research proposal for their individual research projects. At the completion of this unit each student will have prepared a written proposal for his/her research proposal.

CSCD 4026 Advanced Topics A

Old code 12431. 6 credit points

Offered: February.

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select a designated number of separate advanced topics from among those offered by relevant lecturers from areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each area topic undertaken.

**CSCD 4027 Professional Development IVA:
Advanced Issues**

Old code 12432. 6 credit points

Offered: February. **Prerequisite:** Professional Development III: Management Skills CSCD 3032 (12336).

Recommended background unit of study Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343)

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.

CSCD 4028 Advanced Speech Pathology Clinical IA

Old code 12433.12 credit points

Offered: February. **Prerequisite:** Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis and may be involved in the introductory clinical experiences of beginning students. Students also participate in the Advanced Assessment Clinic.

CSCD4030 Advanced Topics B

Old code 12435. 6 credit points

Offered: July.

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select a designated number of separate advanced topics from among those offered by relevant lecturers from areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each area topic undertaken.

CSCD 4031 Professional Development IVB: Advanced Issues

Old code 12436. 6 credit points

Offered: July. **Prerequisite:** Professional Development III: Management Skills CSCD 3032 (12336).

Recommended background unit of study Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343)

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.

CSCD 4032 Advanced Speech Pathology Clinical IB

Old code 12437. 12 credit points

Offered: July. **Prerequisite:** Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis and may be involved in the introductory clinical experiences of beginning students. Students also participate in the Advanced Assessment Clinic. At the completion of this unit of study, students will participate in debriefing tutorials on-campus or in other debriefing activities as agreed upon in advance by the Director of Clinical Education. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4033 Advanced Speech Pathology Clinical IIB

Old code 12438. 24 credit points

Offered: February. **Prerequisite:** Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343) and permission of Head of School.

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

CSCD 4035 Advanced Speech Pathology Clinical IH

Old code 12440. 22 credit points

Offered: February. **Prerequisite:** Intermediate Speech Pathology Clinical IH CSCD 3050 (12348) and/or Intermediate Speech Pathology Clinical IIB CSCD 3053 (12351) and permission of Head of School.

Students are placed in two off-campus clinic, hospital, or other setting for four days per week for two, 6-week blocks each or one off-campus clinic, hospital or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of

clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on regular basis.

CSCD 4036 Professional Development IVH: Advanced Issues

Old code 12441. 2 credit points

Offered: July. **Prerequisite:** Professional Development IIIH: Management Skills CSCD 3052 (12350).

Students enrolled in this unit of study will attend seminars and other activities related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural health issues. Students who complete this unit may be deemed to have completed CSCD 4027 (12432) Professional Development IVA or CSCD 4031 (12436) Professional Development IVB.

CSCD 4037 Advanced Speech Pathology Clinical IIH

Old code 12442. 14 credit points

Offered: July. **Prerequisite:** Advanced Speech Pathology Clinical IH CSCD 4035 (12440).

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 and may be involved in the introductory clinical experiences of beginning students. Students also participate in the Advanced Assessment Clinic. At the completion of this unit of study, students will participate in debriefing tutorials on-campus or in other debriefing tutorials as agreed upon in advance by the Director of Clinical Education. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4038 Honours Thesis

Old code 12443. 10 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Honours Research Seminar I: Literature Review CSCD 3040 (12349); Honours Research Seminar II: Research Proposal CSCD 3054 (12352); satisfactory performance in all Year 3 units of study.

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of human communication sciences or disorders. As part of this and the other Honours units, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

School of Exercise and Sport Science

The School of Exercise and Sport Science was established to promote excellence in the development of knowledge and skills related to human physical performance in the context of sport, recreation, work, leisure and rehabilitation. It is responsible for the undergraduate Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Applied Science (Exercise and Sport Science)(Honours), the Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by Coursework, Master of Applied Science (Exercise and Sport Science) by Research and PhD supervision in the area of Exercise and Sport Science. The School is also responsible for teaching related units in other Schools within the Faculty.

Graduates of the undergraduate and postgraduate programs in Exercise and Sport Science will be prepared for a range of careers including sport science, exercise programming in rehabilitation and specific groups such as the aged, children and spinally injured, and workplace and personal fitness promotion. Examples of professional occupations in this area are sport, exercise or rehabilitation scientist, corporate fitness manager in public and private sector industries, coach and trainer.

Information about the School and its courses of study can be obtained from the Faculty of Health Sciences Student Administration Services (Cumberland), (02) 9351 9161 or from the School of Exercise and Sport Science, (02) 9351 9612.

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. These principles may be applied to facilitate recovery from injury, to maximise performance or to generally increase the quality of life of the individual within the person's work, sport, recreation or leisure environments.

Admission requirements

There are no unit prerequisites for admission to the Bachelor of Applied Science (Exercise and Sport Science) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Chemistry, and either one of 2 unit Maths, 2 unit Physics, 2 unit Biology or 3/4 unit Science at HSC level.

Course outline

The course outline for the Bachelor of Applied Science (Exercise and Sport Science) is presented in Table 9.1.

Professional experience

You must complete 100 hrs of approved professional experience (Practicum) by semester 2, year 3.

Professional recognition

Professional membership of the Australian Association of Exercise & Sport Science.

Honours program

Entry into the Honours Program is at the end of Third Year and eligibility for admission is based on performance during years 1, 2 and 3 of the course. Selection of students is competitive and based on academic record and research interests. Criteria for admission is based on Weighted Average Mark (WAM). WAM is calculated with weighting for both year and credit point values.

For further information specific to the Exercise and Sports Science Honours Program, students are advised to contact the School's Honours Program coordinator Wendy Gilleard, phone (02) 9351 9528.

Table 9.1: Bachelor of Applied Science (Exercise and Sport Science)

Course code	Mode of offer			
2209	Pass Course; Full-time, 3 years			
2210	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
BACH1102	(25185)	Psychosocial Aspects of Recreation and Sport	5	-
BIOS 1108	(111B7)	Body Structure, Homeostasis and Movement I	4	-
BIOS 1109	(111B8)	Body Structure, Homeostasis and Movement II	-	5
BIOS 1079	(11187)	Molecules, Food and Energy	5	-
EXSS1001	(22101)	Mechanisms of Movement	4	-
EXSS1002	(22102)	Muscle Mechanics	-	5
EXSS1013	(22113)	Fundamentals of Exercise Science	-	6
EXSS1012	(22112)	Quantitative Biomechanics	-	5
		Selected Studies ¹ (3 x 3 credit points) ²	6	3
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
BACH2116	(25292)	Behaviour Modification and Exercise Adherence	4	-
BIOS2073	(112C5)	Kinesiology and Applied Anatomy	5	-
EXSS2010	(22210)	Mechanisms of Injury	-	5
EXSS2001	(22201)	Growth, Development and Ageing	-	5
EXSS2011	(22211)	Motor Control and Learning I	5	-
EXSS2012	(22212)	Motor Control and Learning II	-	5
EXSS2003	(22203)	Biochemistry of Exercise	5	-
EXSS2013	(22213)	Exercise Physiology I	5	-
EXSS2014	(22214)	Exercise Physiology II	-	5
EXSS2007	(22207)	Nutrition and Sport Performance	-	4
Stage total (48 credit points for Year 2)			24	24
<i>Year 3</i>				
EXSS3001	(22301)	Exercise Physiology III	5	-
EXSS3010	(22310)	Exercise Testing and Prescription I	5	-
EXSS3011	(22311)	Exercise Testing and Prescription II	-	5
EXSS3012	(22312)	Sports Biomechanics I	5	-
EXSS3013	(22313)	Sports Biomechanics II	-	5
EXSS3006	(22306)	Research Methods and Professional Practice ³	-	5
EXSS3014	(22314)	Exercise and Rehabilitation I	5	-
EXSS3015	(22315)	Exercise and Rehabilitation II	-	5
		2 Electives ⁴ (4 credit points each)	4	4
Stage total (48 credit points for Year 3)			24	24
<i>Year 4 (Honours program)</i>				
EXSS4002	(22402)	Honours Thesis	24	24
<i>Electives Year 3 (4 credit points each)^{1, 4}</i>				
BIOS3049	(113A2)	Hormones, Metabolism and Exercise		
BACH3063	(25361)	Sociology and Psychology of Organisations		
EXSS3004	(22304)	Ergonomics		
EXSS3007	(22307)	Readings and Conference		
EXSS3016	(22316)	Sport Pharmacology		
EXSS3018	(22318)	Management, Marketing and the Law		
<i>Selected Studies^{1, 2}</i>				
BIOS 1094	(111 A3)	Fundamental Computer Skills	3	-
BIOS 1095	(111A4)	Data Management and Presentation	-	3
EXSS1005	(22105)	Sport First Aid/Trainer	3	-
EXSS1007	(22107)	Health Centre Management	-	3
EXSS1008	(22108)	Sport Coaching	3	-
EXSS1011	(22111)	Performance Analysis	-	3

Notes

1. The offering of any one of these elective units of study and selected studies will depend on sufficient student demand.
2. To fulfil the requirements of the course students are required to complete a total of three of the selected studies.
3. The requirement of Professional Practice is only compulsory for new students enrolling from 2000.
4. To fulfil the requirements of the course students are required to complete a total of two of the elective units of study.

Units of study

BACM 1102 Psychosocial Aspects of Recreation and Sport

Old code 25185. 5 credit points

Offered: February.

The psychology module covers the principles of psychology and applications of psychology to the sporting context. Topics will include achievement motivation, social relations, group interactions, sport related social phenomena, and the psychological benefits of exercise. The sociology module examines the historical origins and contemporary expression of sport and leisure as a dominant aspect of culture, the sources of tensions and conflicts in sport and leisure which are related to power, race, class gender and age, the role and expression of ideology in sport and leisure contexts, and the use of appropriate theoretical paradigms and methodologies for posing and analysing research questions in the area of sociology and sport and leisure.

BACM 2116 Behaviour Modification and Exercise Adherence

Old code 25292. 4 credit points

Offered: February.

The general aim of this unit is to introduce students to the theoretical underpinnings and practical application of behaviour modification techniques, and to psychological approaches to exercise adherence. By exposure to both lectures and seminar sessions, students will obtain the knowledge base to enable them to apply behaviour modification techniques to exercise adherence.

BACH 3063 Sociology and Psychology of Organisations

Old code 25361. 4 credit points

Offered: February.

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.

BIOS 1079 Molecules, Food and Energy

Old code 11187. 5 credit points

Offered: February.

This unit provides students with a fundamental understanding of the nature of specific biologically important molecules, and their reactions. Students learn how energy is transferred from fuels in order to allow energy-consuming processes, such as exercise, to proceed. This is developed through topics such as the nature of chemical bonds, factors governing rates of chemical reaction (including the role of enzymes) and the structure of carbohydrates, fats, and proteins and their metabolism. Additional topics include exploration of concepts of acids and bases, the role of haemoglobin in oxygen transport, an introduction to the function of vitamins and hormones, and the processes involved in protein synthesis and breakdown.

BIOS 1094 Fundamental Computer Skills

Old code 111 A3. 3 credit points

Offered: February.

In this unit the student is introduced to the microcomputer, and its basic operating principles and the accompanying operating environment software. In addition, an overview of the operation of the major software packages that would be of use to the practising sport scientist is given.

BIOS 1095 Data Management and Presentation

Old code 111A4. 3 credit points

Mr Ian Cathers, (02) 9351 9287

Offered: July.

This unit gives students the knowledge and skills to be able to store and manage experimental and other data using the microcomputer, to use microcomputer tools to present data and re-

ports in an effective way, and to understand the use of computers in communications at a local, national and international level.

BIOS 1108 Body Structure, Homeostasis and Movement I

Old code 111B7. 4 credit points

Offered: February.

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adapting to and maintaining a homeostatic balance in response to the environment, particularly during exercise. This will include an introduction to the major systems of the body including: musculoskeletal and nervous systems. The unit includes laboratory classes which incorporate study from human cadavers where appropriate. Attendance at such classes is a requirement for this unit.

BIOS 1109 Body Structure, Homeostasis and Movement II

Old code 111B8. 5 credit points

Offered: July.

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adapting to and maintaining a homeostatic balance in response to the environment, particularly during exercise. This will include an introduction to the major systems of the body including the autonomic nervous system, the cardiovascular, respiratory, digestive, renal, reproductive and endocrine systems. The unit includes laboratory classes which incorporate study from human cadavers where appropriate. Attendance at such classes is a requirement for this unit.

BIOS 2073 Kinesiology and Applied Anatomy

Old code 112C5. 5 credit points

Offered: February. **Prerequisite:** Mechanisms of Movement EXSS 1001 (22101), Body Structure, Homeostasis and Movement I BIOS 1108 (111B7).

This course aims to provide students with an in depth understanding of the skeleton, articulations and the muscles of the body. Emphasis will be placed on the functional and applied aspects of the musculoskeletal system and how they interact during human movement.

BIOS 3049 Hormones, Metabolism and Exercise

Old code 113A2. 4 credit points

Offered: July. **Prerequisite:** Biochemistry of Exercise EXSS 2003 (22203), Exercise Physiology I EXSS 2013 (22213).

This unit examines the structure and function of hormones, the regulation and response of hormones to exercise and the role hormones play in the exercise response. Particular attention is given to the role and response of hormones with respect to the specificity of exercise, environmental stress, training and clinical states such as diabetes, amenorrhoea and osteoporosis.

EXSS 1001 Mechanisms of Movement

Old code 22101. 4 credit points

Offered: February.

This unit aims to develop an appreciation of how mechanical principles can be applied to understand the underlying causes of human movement. Through both lecture and practical sessions, students will become aware of the possibility to optimise human physical performance by applying these principles.

EXSS 1002 Muscle Mechanics

Old code 22102. 5 credit points

Offered: July. **Prerequisite:** Body Structure, Homeostasis and Movement I BIOS 1108 (111B7). **Corequisite:** Body Structure, Homeostasis and Movement II BIOS 1109 (111B8).

This unit provides students with an in-depth understanding of skeletal muscle as a 'machine' which generates force and exchanges power with other systems. The unit covers the microscopic structure of muscle and the molecular basis of force production and regulation. The output characteristics of muscle is described, and the effect of changes in the operating environment of muscle (such as length, velocity, stretch, stimulation patterns, etc) will be explored, including implications for max-

imising performance. Practical sessions introduces students to a large range of technology used in the fitness and health industries, including the use of electromyography (EMG) for the description of patterns of muscle use during human movement.

EXSS 1005 Sport First Aid/Trainer

Old code 22105. 3 credit points

Offered: February.

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 be explored.

EXSS 1007 Health Centre Management

Old code 22107. 3 credit points

Offered: February.

This unit offers students the basic management and marketing tools necessary for effective health centre management. On completion of this unit students will be able to understand consumer behaviour, implement marketing principles, and implement effective accounting principles.

EXSS 1008 Sport Coaching

Old code 22108. 3 credit points

Offered: February.

This unit introduces students to a range of issues involved in coaching individuals and team sports, children, the disabled and elite athletes. An integrated approach to the basic principles and practice of sports coaching is presented. On completion of this unit the student will be able to develop an effective sport coaching program with an understanding of the fundamental requirements for skill acquisition, physical conditioning and peak performance.

EXSS 1011 Performance Analysis

Old code 22111. 3 credit points

Offered: July.

This unit will include knowledge of video recording systems, use of measuring instruments, collecting and analysing data, estimating errors, principles of performance analysis and reporting. This knowledge will be applied in the generation of the student's own video and analysis. For the most part, this subject will be practical application using facilities available at the University.

EXSS 1012 Quantitative Biomechanics

Old code 22112. 5 credit points

Offered: July. **Prerequisite:** Mechanisms of Movement EXSS 1001 (22101).

This unit reinforces the understanding of mechanical principles and their application to 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 1013 Fundamentals of Exercise Science

Old code 22113. 6 credit points

Offered: July.

This unit provides students with the fundamental principles and practices of exercise science, which comprises fitness assessment and exercise prescription for cardiorespiratory endurance, high resistance training and flexibility. The unit examines the rationale for fitness assessments of the general population, children and the elderly, as well as provide the skills to safely and competently perform the appropriate laboratory and field tests for each fitness component. In addition, this unit explores the fundamentals of exercise programming for the general population with an emphasis towards developing aerobic fitness, muscular strength and body fat reduction. On completion of this unit

the student will gain an understanding of the major principles and the underlying physiological basis of fitness testing and be able to structure an effective exercise program, to achieve enhanced physical performance without incurring injury.

EXSS 2001 Growth, Development and Ageing

Old code 22201. 5 credit points

Offered: July.

This course aims to provide students with an understanding of growth, development and ageing of the human from prenatal until elderly, with particular reference to the effect on physical performance. Motor skill development and physical performance will be examined and related to morphology and stages of growth. The relationship between biological measurements, growth, gender and chronology will be explored.

EXSS 2003 Biochemistry of Exercise

Old code 22203. 5 credit points

Offered: February. **Prerequisite:** Molecules, Food and Energy BIOS 1079(11187).

This unit investigates strategies of energy balance in exercising skeletal muscle: after examining the structure of the ATP producing pathways, their kinetic characteristics will be contrasted in terms of rates of maximum flux and flux capacity. The differential regulation of oxidative phosphorylation, glycolysis and of the creatine kinase reaction, by signals representing exercise intensity and duration will be examined in depth. Specific sporting examples of high power output (sprinting) and long duration (endurance) activities will be discussed. The processes of fuel mobilisation during exercise and storage during non-exercise periods will be discussed.

EXSS 2007 Nutrition and Sports Performance

Old code 22207. 4 credit points

Offered: July. **Prerequisite:** Biochemistry of Exercise EXSS 2003 (22203).

This unit aims to provide students with an understanding of the principles and practice of nutrition applied to sports performance. The unit will focus on the role of carbohydrates, proteins and lipids in energy metabolism during exercise, the role of macro and micronutrients in health and the effects of eating disorders and dietary deficiencies in athletes.

EXSS 2010 Mechanisms of Injury

Old code 22210. 5 credit points

Offered: July. **Prerequisite:** Body Structure, Homeostasis and Movement I BIOS 1108 (111B7).

This unit provides students with an understanding of the structure of tissues such as ligament, tendon, cartilage and bone, and physical processes whereby the structure of these tissues are disrupted by mechanical trauma. In addition the biological response of these tissues to injury is explored (ie. the processes of inflammation and healing) as well as their adaptations to levels of chronic loading such as immobilisation and exercise. The unit addresses how forces are transmitted through specific regions of the body, such as the knee joint, and how sport practices may modify the likelihood of injury.

EXSS 2011 Motor Control and Learning I

Old code 22211. 5 credit points

Offered: February. **Prerequisite:** Body Structure, Homeostasis and Movement I BIOS 1108 (111B7).

This unit will examine the nature and cause of movement and the maintenance of posture and balance. Models will be developed which emphasise the control of movement as an interaction between the nervous system, skeletal muscle and the environment. The unit integrates the mechanical models of movement presented in previous units with biological models to produce a more complete description of the motor system.

EXSS 2012 Motor Control and Learning II

Old code 22212. 5 credit points

Offered: July. **Prerequisite:** Motor Control and Learning I EXSS 2011 (22211).

This course provides a detailed introduction to the concepts of motor learning. Within each topic selected, the relevant theories and research studies are examined, not only with a view to pro-

ducing understanding of the material, but also in order to encourage critical thinking and an appreciation of the successes and limitations of current knowledge. Most importantly, this course will focus on the practical implications of the concepts covered, thereby enabling students to apply the principles of skilled performance and learning in teaching, coaching and rehabilitation.

EXSS 2013 Exercise Physiology 1

Old code 22213. 5 credit points

Offered: February. **Prerequisite:** Fundamentals of Exercise Science EXSS 1013 (22113).

The content of this unit builds on the principles and information provided in the first year of the program to introduce the student to the exercise response. An integrative approach to the processes associated with physical work capacity and the response of the cardiorespiratory system to the stresses imposed by exercise will be presented.

EXSS 2014 Exercise Physiology II

Old code 22214. 5 credit points

Offered: July. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213), Biochemistry of Exercise EXSS 2003 (22203).

This unit introduces the acid-base regulatory system and the concept of anaerobic and lactate threshold. The unit will examine how the respiratory, cardiovascular and skeletal systems cope with heavy exercise and stressful environments of heat, cold, high altitude and air pollution. The effects of shift work and jet-lag on exercise, and the relationship between exercise and sleep will be discussed.

EXSS 3001 Exercise Physiology III

Old code 22301. 5 credit points

Offered: February. **Prerequisite:** Exercise Physiology II EXSS 2014 (22214). **Corequisite:** Exercise Testing and Prescription I EXSS 3010(22310).

This unit aims to provide the student with an understanding of the integrated response to exercise training, including the immune and endocrine adaptations. The unit will examine topical issues concerning health promotion and performance enhancement in detail.

EXSS 3004 Ergonomics

Old code 22304. 4 credit points

Offered: July. **Prerequisite:** Sports Biomechanics I EXSS 3012 (22312), Kinesiology and Applied Anatomy BIOS 2073 (112C5).

Corequisite: Sports Biomechanics II EXSS 3013 (22313).

Concepts of biomechanics will be applied to the response of the human body to physical tasks. The biomechanics of specific regions, including lower limb, lumbar spine and upper limb, and the effect of their biomechanics on common physical tasks will be investigated.

EXSS 3006 Research Methods and Professional Practice

Old code 22306. 5 credit points

Offered: July.

This aim of this unit is to explore avenues for applying the scientific processes which have been expounded in the Exercise and Sport Science program. The processes include critical review of research, scientific writing, proposing research, professional reasoning, grant writing, presentation skills, research design and using statistics. These will be applied to professional occupations in exercise and sport science including management of exercise programs through to academic research. Activities and assessment will focus on practical applications to the professions (including the 100 hours professional experience).

EXSS 3007 Readings and Conference

Old code 22307. 4 credit points

Offered: July.

This unit is designed to meet the individual requirements of students who demonstrate an interest and capacity to undertake in depth self-directed learning (with supervision) in a major research area in the School of Exercise and Sport Science. Such students identified for this unit will be of a calibre to proceed to the Honours program.

EXSS 3010 Exercise Testing and Prescription I

Old code 22310. 5 credit points

Offered: February. **Prerequisite:** Exercise Physiology II EXSS 2014 (22214). **Corequisite:** Exercise Physiology III EXSS 3001 (22301).

This unit aims to provide the student with a thorough knowledge of exercise testing in a variety of sporting, health, and vocational settings. The unit will extend the principles of exercise physiology to exercise prescription without repeating the underlying exercise physiology theory.

EXSS 3011 Exercise Testing and Prescription II

Old code 22311. 5 credit points

Offered: July. **Prerequisite:** Exercise Testing and Prescription I EXSS 3010 (22310).

This unit will give the student the opportunity, as part of a small group, to practically apply the knowledge gained in Exercise Testing and Prescription I and Exercise Physiology I & II to a specific group of individuals (eg. athletes or healthy individuals). This will involve devising, planning and carrying out of suitable exercise programs. Students will evaluate the outcomes of the exercise prescription program.

EXSS 3012 Sports Biomechanics I

Old code 22312. 5 credit points

Offered: February. **Prerequisite:** Quantitative Biomechanics EXSS 1012(22112).

This unit emphasises practical experience in techniques for analysing human movement. The mechanical principles introduced in Quantitative Biomechanics are expanded and applied to the analysis of sporting performance. The combination of technical expertise and theoretical principles will be used to quantitatively analyse movement, and to recommend methods of improving athletic performance or reducing the likelihood of injury.

EXSS 3013 Sports Biomechanics II

Old code 22313. 5 credit points

Offered: July. **Prerequisite:** Sports Biomechanics I EXSS 3012 (22312).

This unit introduces further techniques for analysing human movement, and their applications to the analysis of sporting performance. Specific analysis techniques such as computer modelling and differences between laboratory and field measurements will be explored. A number of sports will be selected as illustrations of biomechanics applied to the improvement of sports performance.

EXSS 3014 Exercise and Rehabilitation I

Old code 22314. 5 credit points

Offered: February. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213).

This unit investigates the pathophysiology of selected diseases/disorders (cardiorespiratory, endocrine and metabolic) and how the exercise response is effected. Practical aspects of the design, implementation and benefits of exercise programs for these conditions will be considered.

EXSS 3015 Exercise and Rehabilitation II

Old code 22315. 5 credit points

Offered: July. **Prerequisite:** Exercise and Rehabilitation I EXSS 3014(22314).

This unit will provide background about the pathophysiological processes resulting from selected diseases of cardiorespiratory system, and endocrinological and metabolic diseases, and explore how these process interfere with the exercise response. The unit will then detail practical aspects of the design and benefits of exercise programs for cardiorespiratory or metabolic disease.

EXSS 3016 Sport Pharmacology

Old code 22316. 4 credit points

Offered: February. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213), Biochemistry of Exercise EXSS 2003 (22203).

This unit provides students with an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Special emphasis will be given to the effects of performance enhancement drugs, therapeutic drugs and recreational drugs on sport performance as well as the use of physiological ergogenic aids in sport. Procedures for drug testing in sport and methods used to avoid detection will also be considered.

EXSS 3018 Management, Marketing and the Law

Old code 22318. 4 credit points

Offered: July.

This unit presents management practices and associated responsibilities in a format to allow students to demonstrate a practical and effective level of knowledge of the field of business management. Attention is given to the fundamentals of planning, organising, staffing and control within an organisation as well as the basics of financial and budgetary controls. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Marketing and public relations are introduced to augment the areas of program organisation for facility planning and operations.

EXSS 4002 Honours Thesis

Old code 22402. 48 credit points

Offered: Full Year (starts Feb).

In this unit the student undertakes a research project in an area of exercise and sport science. The student designs and implements an approved research project, and submits a thesis describing the project and its implications. In completing the research thesis, the student works closely with an academic staff member who serves as the supervisor.

School of Health Information Management

The School of Health Information Management offers a Bachelor of Applied Science (Health Information Management), a Bachelor of Applied Science Honours (Health Information Management), a Graduate Diploma of Health Science (Health Information Management), and a Master of Applied Science (Health Information Management). The courses are designed to develop health information managers as key members of the health care team, responsible for the management of patient-related health information systems. These systems, both manual and automated, are designed for the capture, storage, analysis, retrieval, and release of information about patients and health services.

A Health Information Manager is responsible for the development, implementation, maintenance and administration of medical record and health information systems. A medical record is the key instrument for recording information about the professional care given to a patient. It contains clinical findings and observations about a patient's medical, surgical and social problems, providing essential information for:

- adequate and continuing patient care
- medical and other health professional education
- clinical research
- casemix information systems
- epidemiological studies and clinical trials
- quality assurance and peer review programs
- utilisation review of health services.

The Health Information Management Association of Australia officially represents the profession and promotes the continuing education of its members through regular seminars, workshops and conferences. All full-time Health Information Management students are eligible for student membership in the Association and upon satisfactory completion of the Bachelor of Applied Science (Health Information Management) or Graduate Diploma of Health Science (Health Information Management) are eligible for full membership.

Bachelor of Applied Science (Health Information Management)

The degree course in health information management has been designed to prepare specialists in the management of health information systems. The health information manager is required to analyse the information needs of a variety of users and design, plan and implement systems to meet these needs. The increasing complexity of communication between health professionals demands an efficient and effective information system to support patient management. Increasing health costs make it essential for health planners to have the necessary information to organise a health care delivery system which optimises the use of resources.

The medical record provides the patient data base on which the health information system is built. The medical record contains data relating to the patient's clinical problems as well as sociological data. The record can provide information for health care evaluation, research, statistics and education. Patients benefit directly when their record is used for future patient care or to protect their legal interests.

Full-time and part-time study

The Bachelor of Applied Science (Health Information Management) is structured as a full-time degree course offered over 3 years. However, the School recognises that some students cannot attend full-time and wish to complete their

degrees in a longer time. The University offers an enrolment distinction between full-time and part-time students. Students enrolling part-time are those enrolled in a minimum of 6 and a maximum of 17 credit points per semester. Part-time students in Health Information Management are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 8 full units of study per academic year, except when a student has fewer than 8 units remaining to complete requirements for graduation
- Passing the equivalent of 12 units of study over any 2 academic year periods.

Only a limited number of places are available for part-time enrolment and students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for. Students requesting to enrol part-time should note that daytime attendance at lectures and practical placements is required for completion of the BAppSc (HIM) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
Minimum time: 6 years from the initial academic year of enrolment
Maximum time: 10 years from the initial academic year of enrolment
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units offered in different years, that is units having different third digits in their codes - eg, HIMTxxx (092xx) and HIMTxxx (093xx), and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'unsatisfactory progress' requirements, as set out above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility of monitoring changes in curriculum which may affect their progression and for discussing these with the Course Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Health Information Management) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics and 2 unit English at HSC level.

Course outline

The course outlines for the Bachelor of Applied Science (Health Information Management) Pass and Honours courses are presented in Table 10.1.

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. In addition, students must complete BACH 4043 and HIMT 4046/HIMT 4047 as the fourth year of study.

Professional experience

Professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW).

Uniforms

Uniforms and identification badges must be worn by all students during practical placements.

Clinical practice dates - Bachelor of Applied Science

Year 1

26-30 June (1 week)

Year 2

7-25 February (3 weeks), or 26 June - 14 July (3 weeks)

Year 3

1. 31 January - 11 February (2 weeks), or
14-25 February (2 weeks)

and

2. 3-14 July (2 weeks)

Table 10.1: Bachelor of Applied Science (Health Information Management)

Course code	Mode of offer			
0902	Pass Course; Full-time, 3 years			
0913	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
HIMT1017	(09117)	Clinical Classification I	-	5
HIMT1030	(09130)	Health Information Systems II	-	5
HIMT1031	(09131)	Australian Health Care Systems	5	-
HIMT1033	(09133)	Medical Terminology I	4	-
HIMT1042	(09142)	Professional Experience I	-	5i
HIMT1037	(09137)	Health Information Systems I	8	-
HIMT1039	(09139)	Microcomputer Applications	4	-
BACH1080	(25163)	Introduction to Psychology	-	3
BACH1029	(25111)	Introduction to Health Sociology	3	-
BIOS 1104	(111B3)	Basic Human Biology LA	3	-
BIOS 1105	(111B4)	Basic Human Biology IB	-	3
Stage total (48 credit points for Year 1)			27	5 16
Year 2				
HIMT2031	(09238)	Programming Logic and Design	3	-
HIMT2036	(09243)	Medical Science I	-	3
HIMT2039	(09246)	Professional Experience II	-	52
HIMT2048	(09255)	Health Informatics	3	-
HIMT2042	(09249)	Database Systems	-	3
HIMT2043	(09250)	Clinical Classification IIA	3	-
HIMT2044	(09251)	Clinical Classification IIB	-	5
HIMT2045	(09252)	Management Principles I	3	-
HIMT2047	(09254)	Casemix Measurement Systems	-	3
BACH1027	(2511G)	Research Methods I	3	-
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BACH2091	(25267)	Social Psychology	3	-
BACH2022	(2521B)	Psychology of Work and Management	-	3
BIOS2082	(112D7)	Basic Human Biology IIA	3	-
BIOS2083	(112D8)	Basic Human Biology IIB	-	2
Stage total (48 credit points for Year 2)			21	5 22
Year 3				
HIMT3025	(09325)	Financial Management in Health Care	3	-
HIMT3030	(09331)	Medical Science II	4	-
HIMT3031	(09332)	Medical Science III	-	3
HIMT3032	(09333)	Epidemiology	-	4
HIMT3048	(09349)	Professional Experience IIIA	43	-
HIMT3049	(09350)	Professional Experience IIIB	-	44
HIMT3050	(09351)	Clinical Classification IIIA	3	-
HIMT3051	(09352)	Clinical Classification IIIB	-	3
HIMT3041	(09342)	Human Resource Management	3	-
HIMT3043	(09344)	Health Care Evaluation	-	3
HIMT3044	(09345)	Management Principles II	4	-
HIMT3034	(09335)	Law and Health	-	4
BACH3046	(25344)	Sociology of Work and Organisations	-	3
BACH3070	(25368)	Health, Society and Social Change	3	-
Stage total (48 credit points for Year 3)			4 20	4 20

Unit code	(old code)	Unit name	Sem 1	Sem 2
Honours program				
<i>Year 4</i>				
BACH4043	(25442)	Intermediate Statistics	3	-
HIMT4046	(09472)	Research Thesis Part A	21	-
HIMT4047	(09473)	Research Thesis Part B	-	24
Stage total (48 credit points for Year 4)			24	24

Notes to Table 10.1

1. 1 Week inter-semester placement
2. 3 Weeks inter-semester placement
3. 2 Weeks pre-semester 1 placement
4. 2 Weeks inter-semester placement

Units of study

BACH 1027 Research Methods I

Old code 2511G. 3 credit points

Offered: February.

This unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. The importance of research methods to evidence-based practice will be emphasised.

BACH 1029 Introduction to Health Sociology

Old code 25111. 3 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1080 Introduction to Psychology

Old code 25163. 3 credit points

Offered: July.

NB: Also available in off-campus mode.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points

Offered: February, July. **Prerequisite:** Research Methods I: Design BACH 1026 (2511F) or Research Method I.

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.

BACH 2022 Psychology of Work and Management

Old code 2521B. 3 credit points

Dr Barbara Adamson, (02) 9351 9579

Offered: July/**Prerequisite:** Social Psychology BEHS 2073 (10284) or equivalent.

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.

BACH 2091 Social Psychology

Old code 25267. 3 credit points

Offered: February.

This unit includes the study of social perception and attribution theory, social interaction, social influence, aggression and violence, group dynamics and leadership theories.

BACH 3046 Sociology of Work and Organisations

Old code 25344. 3 credit points

Offered: July. **Prerequisite:** Health, Society and Social Change

BACH 3070 (25368).

This unit further extends the applications of behavioural science to the work situation of the health information manager and includes a study of the occupational structure in industrial societies, career and occupational choice, the profession concept, professionalisation, professions in bureaucracy, the work situation, alienation and occupational socialisation. Also included is a study of organisations in society, sociological perspectives, social structural analysis, formalisation in organisations, hospitals and other organisations, sanctions and social control, professionals in organisations, social definition approaches, communication, disadvantaged and minority groups in organisations.

BACH 3070 Health, Society and Social Change

Old code 25368. 3 credit points

Offered: February. **Prerequisite:** Introduction to Health Sociology BEHS 1132(101F0).

Students are introduced to health and society including distribution of 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. This subject also covers social change and includes classical theories of social change, contemporary approaches to social change, evaluating public and private models of health care delivery, health care policy, technical changes, demographic change, health care systems and progressive social movement.

BACH 4043 Intermediate Statistics

Old code 25442. 3 credit points

Dr Peter Choo, (02) 9351 9583

Offered: February. **Prerequisite:** Research Methods I BEHS 1130 (101E8) and Research Methods II BEHS 1152 (101F6), or equivalent.

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-para-

metric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BIOS 1104 Basic Human Biology IA

Old code 111B3. 3 credit points

Offered: February.

This unit presents an introduction to human biology, the histology of cells and basic tissues, and the anatomy and histology of the skeletal system, the joints and the skin. Principles of homeostasis and metabolism are also studied, as are the anatomy and physiology of the cardiovascular system. The aim is to introduce students to the structure and function of the human body, and to the medical terminology associated with the field. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

BIOS 1105 Basic Human Biology IB

Old code 111B4. 3 credit points

Offered: July.

This unit presents the anatomy and physiology of the respiratory, renal, reproductive and endocrine systems. Principles of genetics are also introduced. The aim is to expand students' understanding of the structure and function of the human body and associated medical terminology. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

BIOS 2082 Basic Human Biology IIA

Old code 112D7. 3 credit points

Offered: February. Prerequisite: Basic Human Biology IA BIOS 1104 (111B3), Basic Human Biology IB BIOS 1105 (111B4).

This unit presents musculoskeletal anatomy, the neuroanatomy and neurophysiology of the central and peripheral nervous systems, and the anatomy and physiology of the visual, auditory and vestibular systems. An introduction to haematology assists students in their understanding of disease processes. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

BIOS 2083 Basic Human Biology IIB

Old code 112D8. 2 credit points

Offered: July. Prerequisite: Basic Human Biology IA BIOS 1104 (111B3), Basic Human Biology IB BIOS 1105 (111B4).

This unit covers the anatomy and physiology of the digestive system and introduces students to principles of microbiology, immunology and infection control. The unit continues to build upon students' understanding of disease processes and the associated medical terminology. Laboratory classes at which human cadavers are studied from part of this unit. Attendance at such classes is required.

HIMT 1017 Clinical Classification I

Old code 09117. 5 credit points

Offered: July.

This unit introduces the student to the classification of diseases and procedures in medicine. It incorporates an overview of the historical development of clinical classification systems as well as the purpose and value of classification systems. The major emphasis is on a detailed study of the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM). Other topics include disease and operation indexing, the NSW Health Department's Inpatient Statistics Collection and NSW Maternal and Perinatal Collection.

HIMT 1030 Health Information Systems II

Old code 09137. 5 credit points

Offered: July. Prerequisite: Health Information Systems I HIMT 1037(09137).

In this unit students extend their study of health information systems by focusing on the collection, analysis and reporting of health data. This will include the current 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 covered through discussion of current literature in the field of health information management.

HIMT 1031 Australian Health Care Systems

Old code 09131. 5 credit points

Offered: February.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities, and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

HIMT 1033 Medical Terminology I

Old code 09133. 4 credit points

Offered: February.

This unit is designed to introduce students to the language necessary to understand the information contained in the medical record. Students study the basic concepts of medical terminology including the history and development of the medical language, roots, suffixes, prefixes, combining vowels and forms, medical, surgical and investigatory abbreviations relating to the body systems. Also included is the study of lay terms, eponyms, homonyms, medical and surgical specialists departments, and the use of a medical dictionary and MIMS.

HIMT 1037 Health Information Systems I

Old code 09137. 8 credit points

Offered: February.

This unit introduces students to the concepts and components of the health information systems, including the health record as an information system, the development of the health record during the healthcare process and the quality of medical recording. The role of the Health Information Manager (HIM) and the functions of a medical record department are examined along with professional ethics and patient rights. The major component of the unit focuses on hospital record management and covers patient identification, medical record numbering and filing systems, record control, retention and storage, discharge analysis, health record content and structure, including source-orientated medical records (SOMR) and problem-orientated medical records (POMR). Generic records management concepts and procedures are integrated into the unit. Legal aspects related to confidentiality and release of information are examined.

The unit includes an introduction to computerised patient information systems, and students will become familiar with the use of the computerised Patient Master Index (PMI) and Admissions, Transfers and Separations (ATS) system through the New South Wales HOSPAS system. Visits to hospitals to observe and practice skills are a compulsory component of the unit.

HIMT 1039 Microcomputer Applications

Old code 09139. 4 credit points

Offered: February.

In this unit students are introduced to microcomputers. This includes the Windows Operating System, a spreadsheet and a word processing package. Students evaluate advantages and limitations of microcomputers in comparison to mainframe computers and learn to use E-mail, the Internet, and CD-ROM based knowledge-bases.

HIMT 1042 Professional Experience I

Old code 09142. 5 credit points

NB: Offered inter-semester.

The unit offers students a one week placement during the inter-semester recess which allows the student to apply the knowledge and practice the skills gained in HIMT 1037 (09130) Health Information Systems I.

HIMT 2031 Programming Logic and Design

Old code 09238. 3 credit points

Offered: February.

This unit introduces students to structured programming, using the language PASCAL. They learn the standard techniques generally employed in programming, the syntax of PASCAL, program design aids (Nassi-Shneiderman Diagrams), data types and data structures and the use of functions and procedures.

HI MT 2036 Medical Science I

Old code 09243. 3 credit points

Offered: July. **Prerequisite:** Medical Terminology I HIM1033 (09133).

This unit is designed to provide the theoretical basis by which students can understand the process of medical care. Topics studied include disease processes and medical treatment relating to body systems concentrating on general and specialist medicine relating to the cardiovascular, respiratory, renal, metabolic, musculoskeletal, endocrine systems, and central nervous systems.

HIMT 2039 Professional Experience II

Old code 09246. 5 credit points

Classes: 105 hours (3 weeks).

NB: Offered Pre-semester or Inter-semester or during Olympic period if student chooses this period.

This unit gives the students the opportunity to build on the practical experience gained in year 1 by examining in detail certain Medical Record Department procedures. The medico-legal procedure and policy for release of information are compulsory. Students are expected to be competent and proficient in carrying out medical record and health information procedures using both manual and computerised systems. A major task during the placement is to complete procedure manual entries for use in a Medical Record Department.

HIMT 2042 Database Systems

Old code 09249. 3 credit points

Offered: July. **Prerequisite:** Programming Logic and Design HIMT 2031 (09238).

This unit covers the study of relational database design, using MS-ACCESS, SQL and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system.

HIMT 2043 Clinical Classification IIA

Old code 09250. 3 credit points

Offered: February. **Prerequisite:** Clinical Classification I HIMT 1017 (09117) and Medical Terminology I HIMT 1033 (09133).

A continuation of the development of coding skills using ICD-9-CM begun in Clinical Classification I. Students are introduced to coding from discharge summaries and medical record reports to develop their skills in data abstraction for coding, especially the selection of principal diagnoses. The Australian Standards for ICD-9-CM Coding are studied and applied in detail.

HIMT 2044 Clinical Classification MB

Old code 09251. 5 credit points

Offered: July. **Prerequisite:** Clinical Classification IIA HIMT 2043 (09250).

This unit covers disease notification and registration procedures, especially those related to cancer, infectious diseases, trauma and birth defects. Specialist classifications and nomenclatures for oncology, psychiatry, pathology, ambulatory and primary care, rehabilitation and severity of illness. Practice in ICD-10-AM and the use of computerised encoders is provided. Students are introduced to coding from medical records on site in hospitals.

HIMT 2045 Management Principles I

Old code 09252. 3 credit points

Offered: February.

This unit is designed to introduce students to the principles of management and their application to the area of health information management. Topics covered include: management theories; organising and organisational and job design principles; motivation; decision making; change management; occupational health and safety issues; time management; meetings; organisational communication and business reports. An introduction to procedure manual format prepares the students for Professional Experience II.

HIMT 2047 Casemix Measurement Systems

Old code 09254. 3 credit points

Offered: July.

This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory pa-

tients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will be explored.

HIMT 2048 Health Informatics

Old code 09255. 3 credit points

Offered: February.

This unit is designed to examine hospital information systems in the wider context of computers in information management and in clinical management. Systems analysis and design tools are applied to current and emerging information technologies in health care systems.

HIMT 2025 Financial Management in Health Care

Old code 09325. 3 credit points

Offered: February.

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, types of budgets and auditing. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 3030 Medical Science II

Old code 09331. 4 credit points

Offered: February. **Prerequisite:** Medical Science I HIMT 2036 (09243).

This unit continues the study of disease processes and the physician's and surgeon's response to these processes, and focuses on topics in general and specialist surgery and obstetrics.

HIMT 3031 Medical Science III

Old code 09332. 3 credit points

Offered: July. **Prerequisite:** Medical Science II HIMT 3030 (09331).

In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, paediatrics, oncology, radiotherapy, nuclear medicine, geriatrics, and rehabilitation medicine. Studies also include investigations and pharmacology.

HIMT 3032 Epidemiology

Old code 09333. 4 credit points

Offered: July.

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 data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and effective presentation of results in data management.

HIMT 3034 Law and Health

Old code 09335. 4 credit points

Offered: July.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

HIMT 3041 Human Resource Management

Old code 09342. 3 credit points

Offered: February.

This unit is designed to introduce the student to the human resource management function relevant to the work of a health

information 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 and students are taught how to prepare their own curriculum vitae.

HIMT 3043 Health Care Evaluation

Old code 09344. 3 credit points

Offered: July.

In this unit students are introduced to the concepts of quality healthcare. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations 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.

On-campus attendance. Unit is taught in block mode.

HIMT 3044 Management Principles II

Old code 09345. 4 credit points

Offered: February.

This unit builds on Management Principles I and introduces students to the management function of planning with particular applications in the areas of Health Information Management. Other topics include: control; TQM, leadership, power, authority and delegation; managerial ethics; conflict and organisational culture and influences on organisations.

HIMT 3048 Professional Experience IMA

Old code 09349. 4 credit points

NB: 2 weeks pre-semester placement.

This unit is designed to extend the student's knowledge and level of understanding in settings outside 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 3049 Professional Experience IIIB

Old code 09350. 4 credit points

NB: 2 weeks inter-semester placement.

This unit allows the student to gain direct experience in the organisation and management of medical record and patient information services in hospitals.

HIMT 3050 Clinical Classification IDA

Old code 09351. 3 credit points

Offered: February. **Prerequisite:** Clinical Classification IIB HIMT 2044 (09251).

This unit extends the student's skills in clinical coding through practical sessions in a hospital setting.

HIMT 3051 Clinical Classification IIIB

Old code 09352. 3 credit points

Offered: July. **Prerequisite:** Clinical Classification IIB HIMT 2044 (09251).

In this unit the most recent coding standards are reviewed, computerised coding software is examined, and methods of quality control for coding are investigated.

HI MT 4046 Research Thesis A

Old code 09472. 21 credit points

Offered: February.

This unit provides Honours students with the opportunity to undertake an investigation of an area of specialised interest in health information management or a closely related area and prepare a written report including a description of the research question, the process of investigation, a literature review, the

findings and their implications in relation to the management of health information.

HIMT 4047 Research Thesis B

Old code 09473. 24 credit points

Offered: July.

This unit provides Honours students with the opportunity to undertake an investigation of an area of specialised interest in health information management or a closely related area and prepare a written report including a description of the research question, the process of investigation, a literature review, the findings and their implications in relation to the management of health information.

School of Medical Radiation Sciences

Established in 1988 as the School of Medical Radiation Technology, the School's name was changed to the School of Medical Radiation Sciences in 1999 to better reflect its emphasis on scientific investigation of a wide range of medical radiation fields. There are three streams in the Bachelor of Applied Science (Medical Radiation Sciences) course; Diagnostic Radiography, Nuclear Medicine and Radiation Therapy. All of the health professions in the School combine close patient contact and good communication skills along with the use of technology, to maximise the results for the patient and provide high quality patient care. Postgraduate study is available by research and coursework in all the Medical Radiation Sciences fields, some are offered by off-campus or distance education mode. A Graduate Diploma of Health Science (Medical Sonography) is available for those wishing to practice as a Sonographer.

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 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. Investigations are performed on most soft tissue regions of the body. Increasingly these techniques are able to quantify both function and anatomical detail.

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 Technology)

Last intake 1998

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 Technology) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics, and either two of 2 unit Physics, 2 unit Chemistry, and 2 unit Biology or 3/4 unit Science 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 outline with its three streams and Honours program is presented in Table 11.1.

Honours program

Students will be selected to enter the Honours program on the basis of their academic record and research interests. The Year 4 Honours Program may be taken over a one or two year period.

For information specific to the Medical Radiation Technology program, students are advised to contact the Secretary for the School of Medical Radiation Sciences.

Students in the Honours program complete all Year 3 units in the Pass program and additional units in Table 11.1.

Table 11.1: Bachelor of Applied Science (Medical Radiation Technology)

Course code	Mode of offer			
1808[D]	Pass Course; Full-time, 3 years			
1809[N]	Pass Course; Full-time, 3 years			
1810[R]	Pass Course; Full-time, 3 years			
1811[D]	Honours Program; Full-time, 4 years			
1812[N]	Honours Program; Full-time, 4 years			
1813[R]	Honours Program; Full-time, 4 years			

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
No commencing students in 1999				
Year 2				
No commencing students in 2000				
Year 3 (last offered in 2000)				
BACH3068	(25366)	Behavioural Science IIIA	5	-
BACH3069	(25367)	Behavioural Science IIIB	-	3
MRTY3037	(18337)	Image Processing A	2	-
MRTY3038	(18338)	Image Processing B	-	1
MRTY3020	(18320)	Professional Studies PLUS	2	-
<i>Diagnostic Radiography</i>				
MRTY3039	(18339)	Sonography A	2	-
MRTY3040	(18340)	Sonography B	-	2
MRTY3041	(18341)	Imaging IIA	4	-
MRTY3042	(18342)	Imaging IIB	-	2
MRTY3043	(18343)	Radiography IIA	4	-
MRTY3044	(18344)	Radiography IIB	-	2
MRTY3032	(18332)	Radiographic Pathology II	-	2
MRTY3033	(18333)	Contrast Media	2	-
MRTY3035	(18335)	Clinical Education IIIA	4	11
OR				
<i>Nuclear Medicine</i>				
MRTY3039	(18339)	Sonography A	2	-
MRTY3040	(18340)	Sonography B	-	2
MRTY3045	(18345)	Instrumentation IIA	4	-
MRTY3046	(18346)	Instrumentation IIB	-	3
MRTY3047	(18347)	Nuclear Medicine IIA	6	-
MRTY3048	(18348)	Nuclear Medicine IIB	-	4
MRTY3026	(18326)	Clinical Education IIIB	4	10
OR				
<i>Radiation Therapy</i>				
MRTY3049	(18349)	Radiation Therapy IIA	5	-
MRTY3050	(18350)	Radiation Therapy IIB	-	3
MRTY3051	(18351)	Radiotherapy Physics IIA	2	-
MRTY3052	(18352)	Radiotherapy Physics IIB	-	2
MRTY3053	(18353)	Principles of Oncology A	2	-
MRTY3054	(18354)	Principles of Oncology B	-	2
MRTY3030	(18330)	Clinical Education IIIC	6	11
MRTY3034	(18334)	Radiation Therapy Project	1	1
Stage total (48 credit points for Year 3)				
Honours program - additional units				
<i>Year⁴</i>				
MRTY4020	(18429)	Research in Medical Radiations IA ¹	1	-
MRTY4021	(18430)	Research in Medical Radiations IB ¹	-	2
BACH4038	(25437)	Research Methods and Statistics	3	-
MRTY4017	(18426)	Honours Workshop A	2	-
MRTY4018	(18427)	Honours Workshop B	-	2
MRTY4006	(18413)	Honours Thesis	15	19
MRTY4011	(18419)	Research in Medical Radiations II	-	1
		Elective ³	3	or 3
Stage total (48 credit points for Year 4)				

Notes to Table 11.1

1. These units of study may be completed in semesters 5 and 6 or semesters 7 and 8, subject to approval of the Head of School
2. Year 4 units (in special circumstances) may be taken over two years.
3. Students choose one of the following electives:

BACH4017	(25416)	Epidemiological Research
BACH4018	(25417)	Evaluation Research
BACH4019	(25418)	History and Philosophy of Scientific Methodology
BACH4043	(25442)	Intermediate Statistics
BACH4044	(25443)	Multivariate Statistics
BACH4045	(25444)	Qualitative Research Methods
BACH4046	(25445)	Survey Research Methods

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 2 unit Mathematics, and either two of 2 unit Physics, 2 unit Chemistry, and 2 unit Biology or 3/4 unit Science 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 outline with its three streams and Honours Program is presented in Table 11.2.

Table 11.2: Bachelor of Applied Science (Medical Radiation Sciences)

Course code	Mode of offer			
1837[D]	Pass Course; Full-time, 3 years			
183 8 [N]	Pass Course; Full-time, 3 years			
1839[R]	Pass Course; Full-time, 3 years			
1846[D]	Honours Program; Full-time, 4 years			
1847[N]	Honours Program; Full-time, 4 years			
1848[R]	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass degree				
<i>Year 1</i>				
BACH1026	(251 IF)	Research Methods I: Design	3	-
BACH1033	(2511M)	Introduction to Psychology	-	3
BACH1034	(25 UN)	Introduction to Health Sociology	-	3
BIOS 1119	(111C6)	Introductory Radiation Physics 1A	6	-
BIOS 1120	(111C7)	Introductory Radiation Physics 1B	-	3
BIOS 1084	(11193)	Introductory Human Biology	4	-
BIOS 1122	(111C8)	Biomedical Sciences 1A	4	-
BIOS 1123	(111C9)	Biomedical Sciences 1B	-	4
MRTY1018	(18120)	Introduction to Clinical Education	3	-
PLUS				
<i>Diagnostic Radiography</i>				
MRTY1019	(18121)	Radiographic Practice 1A	4	-
MRTY1020	(18122)	Radiographic Practice 1B	-	5
MRTY1021	(18123)	Radiographic Physics 1	-	3
MRTY1022	(18124)	Clinical Education 1A ¹	-	3
OR				
<i>Nuclear Medicine</i>				
MRTY1023	(18125)	Nuclear Medicine 1A	4	-
MRTY1024	(18126)	Nuclear Medicine 1B	-	5
MRTY1025	(18127)	Nuclear Medicine Physics 1	-	3
MRTY1026	(18128)	Clinical Education 1B ¹	-	3
OR				
<i>Radiation Therapy</i>				
MRTY1027	(18129)	Radiation Therapy 1A	4	-
MRTY1028	(18130)	Radiation Therapy 1B	-	5
MRTY1029	(18131)	Radiation Therapy Physics 1	-	3
MRTY1030	(18132)	Clinical Education 1C	-	3
Stage total (48 credit points for Year 1)			24	24

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 2 (first offered in 2000)				
BIOS2093	(112E6)	Biomedical Sciences 2	4	-
MRTY2057	(18257)	Introductory Radiation Biology and Protection	3	-
MRTY2058	(18258)	Sectional Anatomy	3	-
MRTY2059	(18259)	Medical Ethics and Professional Issues	-	3
PLUS				
<i>Diagnostic Radiography</i>				
MRTY2060	(18260)	Radiographic Physics 2	4	-
MRTY2061	(18261)	Radiographic Practice 2	7	-
MRTY2062	(18262)	Radiographic Pathology 1	3	-
MRTY2063	(18263)	Clinical Education 2A ²	-	21
OR				
<i>Nuclear Medicine</i>				
MRTY2064	(18264)	Nuclear Medicine Physics 2	4	-
MRTY2065	(18265)	Nuclear Medicine 2	6	-
MRTY2066	(18266)	Radiopharmacy	4	-
MRTY2067	(18267)	Clinical Education 2B ^Z	-	21
OR				
<i>Radiation Therapy</i>				
MRTY2068	(18268)	Radiation Therapy Physics 2	4	-
MRTY2069	(18269)	Radiation Therapy 2	7	-
BIOS2094	(112E7)	Oncology A	3	-
MRTY2070	(18270)	Clinical Education 2C ²	-	21
Stage total (48 credit points for Year 2)			24	24
Year 3 (to be first offered in 2001)				
BACH 1028	(2511H)	Research Methods II: Data Analysis	3	-
Choice of one of the following:				
BACH3091	(25389)	Social Psychology and Communication	3	-
or				
BACH3092	(25390)	Disability Studies and Behavioural Therapy	3	-
Choice of one of the following:				
BACH1036	(2511P)	Clients, Practitioners and Organisations	-	3
or				
BACH3093	(25391)	Health Policy Service Delivery	-	3
plus				
MRTY3059	(18359)	Image Processing	3	-
MRTY3060	(18360)	Medical Radiations Project	-	3
MRTY3061	(18361)	Integrated Diagnosis and Treatment	-	3
plus				
<i>Diagnostic Radiography</i>				
MRTY3062	(18362)	Radiographic Physics 3A	3	-
MRTY3063	(18363)	Radiographic Practice 3	4	-
MRTY3064	(18364)	Sonography A	3	-
MRTY3065	(18365)	Radiographic Pathology 2	3	-
MRTY3066	(18366)	Clinical Education 3A	2	-
MRTY3067	(18367)	Radiographic Physics 3B	-	3
MRTY3068	(18368)	Clinical Education 4A	-	3
		Radiography Electives ³	-	6
		Elective Studies ⁴	-	3
or				
<i>Nuclear Medicine</i>				
MRTY3069	(18369)	Nuclear Medicine Physics 3	3	-
MRTY3070	(18370)	Nuclear Medicine 3A	6	-
MRTY3064	(18364)	Sonography A	3	-
MRTY3071	(18371)	Clinical Education 3B	3	-
MRTY3072	(18372)	Nuclear Medicine 3B	-	6
MRTY3073	(18373)	Clinical Education 4B	-	3
		Elective Studies ⁴	-	6
or				
<i>Radiation Therapy</i>				
BIOS3050	(11343)	Oncology B	3	-
MRTY3074	(18374)	Radiation Therapy Physics 3	3	-
MRTY3075	(18375)	Radiation Therapy 3A	6	-
MRTY3076	(18376)	Clinical Education 3C	3	-
MRTY3077	(18377)	Radiation Therapy 3B	-	6

Unit code	(old code)	Unit name	Sem 1	Sem 2
MRTY3078	(18378)	Seminars in Radiation Therapy		3
MRTY3079	(18379)	Clinical Education 4C Elective Studies ⁴	-	3 3
Stage total (48 credit points for Year 3)			24	24

Honours program**Year 4 (to be first offered in 2002)**

MRTY4022	(18431)	Honours Research Seminar	4	
MRTY4023	(18432)	Thesis Support A	4	
MRTY4024	(18433)	Thesis Support B Elective ⁵	- 3	4 or 3
MRTY4025	(18434)	Honours Thesis	13	20
Stage total (48 credit points for Year 4)			24	24

Notes to Table 11.2

- Clinical Education IA Diagnostic Radiography - 1 week block mid year + 2 weeks Dec, + 1 hr/wk on campus Intro to Medical Terminology and Intro to Medical Ethics in Semester 2.
Clinical Education IB Nuclear Medicine - 2 week block mid year and 2 weeks December.
Clinical Education IC Radiation Therapy - 1 week block mid year and 2 weeks December.
 - Clinical centre: weeks 1-8. Campus weeks: weeks 9-10. Clinical centres: weeks 11-14.
 - Radiography electives - students choose 2 of the following (3 credit points each):
Seminars in Diagnostic Radiography
Management Skills for Health Professionals
Interventional Radiography
Sports Injury Imaging
Paediatric Radiography
Operating Suite Radiography
Functional Brain Imaging
 - Elective studies - students choose from the following pool of electives from across the faculty:
Radiography - choice of 1 of the 4 areas
Nuclear Medicine - choice of 2 of the 4 areas
Radiation Therapy - choice of 1 of the 4 areas
 - Physics Electives
Medical Radiation Sciences Physics Elective
Clinical Physics
 - Sonography B
 - Behavioural Science Electives
Alternative Medicine
Community, the Internet and Health Information
Death and Dying
Gender and Health/International Health
Media and Health/Occupational Health
Social Theory and Medical Sociology
Sociology of Ageing
Sociology of Community and Family
Sociology of Sport
Health Psychology
Psychological Function
 - Biomedical Science Electives
Embryology
Applied Neurobiology
- Honours elective - students may choose from one of the following electives:
- | | | |
|----------|---------|--|
| BACH4017 | (25416) | Epidemiological Research |
| BACH4018 | (25417) | Evaluation Research |
| BACH4019 | (25418) | History and Philosophy of Scientific Methodology |
| BACH4043 | (25442) | Intermediate Statistics |
| BACH4044 | (25443) | Multivariate Statistics |
| BACH4045 | (25444) | Qualitative Research Methods |
| BACH4046 | (25445) | Survey Research Methods |

Clinical education

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR) at least one month prior to attending their first clinical placement. The certificate must be kept current throughout the students' attendance at University. St John's Ambulance courses on CPR are available throughout the metropolitan and country regions. Life-saving certificates of CPR competency will also be accepted. 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.

Diagnostic Radiography

Clinical Education provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. To broaden the student's clinical skills a variety of radiology centres will be accessed to enable a wide breadth of experience in procedures, examinations and equipment.

Students will be required to demonstrate their clinical competency in specific contrast media procedures and all skeletal examinations during the three years of the course. Timing of the competencies is linked to the delivery of the theory involved in each competency as part of the academic program. At the conclusion of the course the student will have demonstrated competency at the level required to perform as a beginning practitioner in diagnostic radiography requiring minimal supervision.

During the clinical education program it is essential that students demonstrate an ability to empathise with the patient and understand the necessities for the examination or procedure being performed. Students are expected to interpret images and maintain optimum radiographic quality.

Nuclear Medicine

Clinical Education in year 2(13 weeks) and year 3(11 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 **IB** and **MB** is closely synchronised with the acquisition of the related theory in Nuclear Medicine I and **II** respectively. Students will be placed in a variety of nuclear medicine centres to give them a breadth of experience of procedures and instrumentation.

By the end of year 2, students will be able to perform simple routine procedures and data acquisition and will be aware of the role of the nuclear medicine technologist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform complex routine clinical procedures including computer acquisition and analysis, reconstitution and dispensing of radiopharmaceuticals, and quality control in all areas, including planar instrumentation, single photon emission computerised tomography and radiopharmacy. Students will also have observed and assisted with, but not shown competence at various non-routine procedures such as positron emission tomography, radiopharmaceutical cell labelling, in vivo tracer studies and bone mineral densitometry.

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

Radiation Therapy

Clinical Education in year 1 provides a general introduction to the principles of patient care and to the role of the radiation therapist. It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown one month prior to the first clinical placement.

St John Ambulance courses on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Clinical Education in years 2 and 3 provide an opportunity for students to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in the Clinical Education units is closely synchronised with the acquisition of the related theory in the on-campus professional units of study.

Students will be placed in a variety of radiation oncology centres to give them a breadth of experience of radiation therapy procedures and equipment.

By the end of year 2, students will be able to perform simple routine treatment, simulation and planning procedures, will form an empathetic relationship with patients, and will be aware of the role of the radiation therapist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform more complex routine treatment, simulation and planning procedures for a range of electromagnetic and particulate radiations. In addition, students will have observed and assisted with, but not demonstrated competence in performing various non-routine procedures such as stereotactic radiosurgery, intra-operative radiation therapy, brachytherapy and total body irradiation.

Throughout years 2 and 3 the student's competence will be progressively assessed by University supervisors and authorised clinical assessors from the Radiation Oncology centres. By the end of the third year students must demonstrate the clinical competence required to perform as a radiation therapist with minimum supervision.

Clinical education dates - Bachelor of Applied Science (Medical Radiation Sciences)

Diagnostic Radiography, Nuclear Medicine and Radiation Therapy

Year 1

26-30 June OR 10-14 July (1 week)

4-15 December (2 weeks)

Year 2

31 July - 8 September (6 weeks)

9 October - 1 December (8 weeks including 3 weeks on-campus 9-27 October)

Year 3

17 January - 25 February (6 weeks)

26 June - 28 July (5 weeks)

Uniforms

All students during clinical education placements must wear uniforms, identification badges and radiation monitoring badges.

Diagnostic Radiography

Female

The white School polo shirt, purchased from the Student Guild, or a white blouse (with collar) and University Crest cloth bag worn with EITHER

- A navy blue skirt OR
- Navy blue trousers OR
- Navy blue culottes
- AND
- If stockings are worn they must be flesh, grey or white coloured
- Closed, flat-heeled leather shoes in black, navy blue or white (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

The length of skirts and culottes should be at least to the top of the knee.

Male

The white School polo shirt, purchased from the Student Guild, or a white 'Ben Casey' style jacket or business shirt

with the University Crest cloth badge; 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.

Nuclear Medicine and Radiation Therapy

Female

The white School polo shirt, purchased from the Student Guild, worn with EITHER

- A navy blue skirt OR
 - Navy blue trousers OR
 - Navy blue culottes
- AND
- If stockings are worn they must be either 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 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 1026 Research Methods I: Design

Old code 2511F. 3 credit points

Offered: February.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as 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 science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

BACH 1033 Introduction to Psychology

Old code 2511M. 3 credit points

Offered: July.

This unit of study provides students with an introduction to areas of psychology relevant to health professionals. Major topics include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1034 Introduction to Health Sociology

Old code 2511N. 3 credit points

Offered: July.

This unit of study provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia. It develops the student's ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 3068 Behavioural Science IDA

Old code 25366. 5 credit points

Offered: February. **Prerequisite:** (except Singapore courses)

Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).

There are two units in this unit. The first unit on Life Stress provides students with an understanding of reactions to stress particularly in health care settings. The second unit, Introduction to Research Methods examines the research process, design and statistics applied mainly to the critical evaluation of research literature.

BACH 3069 Behavioural Science 1MB

Old code 25367. 3 credit points

Offered: July. **Prerequisite:** (except Singapore courses)

Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).

There are two units in this unit. The unit Health, Medicine and Society provides an analysis of the institutional aspects of medical and health care while the second unit provides an introduction to Social Psychology.

BACH 4017 Epidemiological Research

Old code 25416. 3 credit points

Dr Kaye Brock, (02) 9351 9124

Offered: July.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH 4018 Evaluation Research

Old code 25417. 6 credit points
Dr Ian Hughes, (02) 9351 9582
Offered: July.

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 Scientific Methodology

Old code 25418. 3 credit points
Dr Rod Rothwell, (02) 9351 9122
Offered: February, July.

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.

BACH 4038 Research Methods and Statistics

Old code 25437. 3 credit points
Offered: February.

This unit is designed to provide students with an understanding of basic research and statistical methods and practical applications relevant to clinical practice. The focus is on statistical reasoning and extracting meaning from data. Extensive use is made of modern computer software to achieve this. The broad areas discussed are: methods for data exploration and description, strategies for data collection, statistical inference and estimation. Statistical description methods comprise numerical and graphical methods for one and two variable models including control charts and regression models. Rationales for sampling, observational and experimental designs for data production are discussed. Inferential methods including estimating with confidence and tests of significance are introduced for one and two samples.

BACH 4043 Intermediate Statistics

Old code 25442. 3 credit points
Dr Peter Choo, (02) 9351 9583
Offered: February. **Prerequisite:** Research Methods I BEHS 1130 (101E8) and Research Methods II BEHS 1152 (101F6), or equivalent.

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

BACH 4044 Multivariate Statistics

Old code 25443. 3 credit points
Offered: February, July. **Prerequisite:** Intermediate Statistics (10503), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures, including factor analysis, discriminant function analysis and analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 4045 Qualitative Research Methods

Old code 25444. 3 credit points
Dr Cherry Russell, (02) 9351 9129
Offered: February, July.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of their choice throughout the semester. This unit is usually offered on Wednesdays, 4–7pm.

BACH 4046 Survey Research Methods

Old code 25445. 3 credit points
Ms Kate O'Loughlin, (02) 9351 9531
Offered: July.

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. This unit is usually offered on Mondays from 5 to 8 pm.

BIOS 1084 Introductory Human Biology

Old code 11193. 4 credit points
Offered: February.

This unit of study will present aspects of basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The specific topics considered include mechanisms of homeostasis, general cellular structure and function, introductory chemistry, chemistry of biologically important molecules, blood characteristics and functions, cell metabolism, protein synthesis, cell replication and introductory genetics.

BIOS 1119 Introductory Radiation Physics 1A

Old code 111C6. 6 credit points
Offered: February.

This unit of study examines the structure of matter together with the types of ionising radiation, their interactions with matter, electricity, magnetism, electrical safety, vibrations and waves and heat. In addition, students are provided with a brief review of the necessary fundamental physics and mathematics required for this unit and the subsequent unit, Radiation Physics 1B.

BIOS 1120 Introductory Radiation Physics 1B

Old code 111C7. 3 credit points
Offered: July.

This unit of study provides an introduction to basic electronics, ultrasound fundamentals, optics, devices for the detection of ionising radiation, dosimetry of ionising radiation.

BIOS 1122 Biomedical Sciences 1A

Old code 111C8. 4 credit points
Offered: February.

This unit of study will provide a general introduction to the study of human anatomy, physiology and pathophysiology. A detailed study of the musculoskeletal, cardiovascular and lymphatic systems will be undertaken. There will be special attention to the application of this material to the branches of medical radiation sciences. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1123 Biomedical Sciences 1B

Old code 111C9. 4 credit points
Offered: July.

This unit of study will examine inflammation, immunology and immunological disorders, infection control, genetic disorders, hematologic disorders, trauma, ageing, pharmacology and the physiology and pathophysiology of the respiratory and digestive systems relevant to the study of medical radiation science. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is required.

BIOS 2093 Biomedical Sciences 2

Old code 112E6. 4 credit points
Offered: February. **Prerequisite:** Biomedical Sciences 1B BIOS 1123(11109).

This unit of study introduces the students to the human urinary, reproductive, endocrine and nervous systems. It describes the normal gross and microscopic structure as well as the physiological and pathological function of each organ system. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is required.

BIOS 2094 Oncology A

Old code 112E7. 4 credit points
Offered: February. **Prerequisite:** Introductory Human Biology BIOS 1084 (11193) Biomedical Sciences 1B BIOS 1123 (111C9).

This unit of study examines neoplasia and the detailed pathology of malignant tumours of the head and neck, lymphatics, upper respiratory, endocrine, genito-urinary and reproductive 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.

MRTY 1018 Introduction to Clinical Education

Old code 18120. 3 credit points

Offered: February. **Corequisite:** Radiographic Practice 1A MRTY 1019 (18121) or Radiation Therapy 1A MRTY 1027 (18129) or Nuclear Medicine 1A MRTY 1023 (18125).

This unit of study will introduce the student to the generic aspects of Clinical Education. It includes three modules of one credit point each:

- Introduction to Medical Radiation Sciences modalities
- Introduction to communication skills
- Basic patient care.

MRTY 1019 Radiographic Practice IA

Old code 18121. 4 credit points

Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119(11106).

This unit of study will introduce the student to the basic principles of photography and image production in Radiography. The anatomical region of the chest will be used as an elementary application of radiographic techniques.

MRTY 1020 Radiographic Practice IB

Old code 18122. 5 credit points

Offered: July. **Prerequisite:** Radiographic Practice 1A MRTY 1019 (18121). **Corequisite:** Radiographic Physics 1 MRTY 1021 (18123), Biomedical Sciences IB BIOS 1123 (111C9).

The aim of this unit of study is to provide students with the knowledge and skills to perform radiographic examinations of chest, upper and lower limbs. The unit builds on technical and theoretical work from Radiographic Practice IA. Introductory radiographic anatomy and pathology is included in the unit

MRTY 1021 Radiographic Physics I

Old code 18123. 3 credit points

Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119(11106).

This unit of study introduces the student to the construction, design, operation, associated radiation protection and quality control of general radiographic equipment.

MRTY 1022 Clinical Education IA

Old code 18124. 3 credit points

Offered: July. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), Radiographic Practice 1A MRTY 1019 (18121), CPR Certificate. **Corequisite:** Radiographic Practice 1B MRTY 1020 (18122).

This unit of study is the first of four units of study in clinical education. It consists of 4 weeks of clinical instruction which introduces the student to the role of the diagnostic radiographer in medical imaging. Emphasis is placed on practice in patient care principles, interpersonal communication skills; and practice in the radiographic examinations of the chest and upper and lower limb. Basic medical terminology and an introduction to medical ethics and legal issues is also included within this unit of study.

MRTY 1023 Nuclear Medicine IA

Old code 18125. 4 credit points

Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119(11106).

This unit of study introduces the student to the study and practice of Nuclear Medicine. It aims to develop the student's understanding of the use of radiation, the underlying theory of Nuclear Medicine as well as the elementary applications for Nuclear Medicine studies.

MRTY 1024 Nuclear Medicine IB

Old code 18126. 5 credit points

Offered: July. **Prerequisite:** Nuclear Medicine 1A MRTY 1023 (18125). **Corequisite:** Clinical Education IB MRTY 1026 (18128).

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the respiratory, skeletal and gastrointestinal systems of the body. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals.

MRTY 1025 Nuclear Medicine Physics I

Old code 18127. 3 credit points

Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6).

This unit of study examines instrumentation principles and design in nuclear medicine. It includes methods and measurement of radiation detection, instrumentation componentry and collimation techniques. Applications of the componentry to particular radiation detectors is covered, together with the display of information via recording devices, analogue and digital displays, nuclear medicine computer systems and the quality control of instrumentation.

MRTY 1026 Clinical Education IB

Old code 18128. 3 credit points

Offered: July. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), Nuclear Medicine 1A MRTY 1023 (18125), CPR Certificate.

To introduce students to the clinical environment of a Nuclear Medicine department and to the role of the Nuclear Medicine Technologist. This unit provides the student with a structured program of clinical experience.

MRTY 1027 Radiation Therapy IA

Old code 18129. 4 credit points

Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119(11106).

In this unit of study the student will be introduced to the department of radiation oncology and the role of the radiation therapist in the care and treatment of patients. At the completion of the unit of study, students will be able to undertake clinical education experience with background knowledge of the field and the ability to work safely as part of the radiation therapy team.

MRTY 1028 Radiation Therapy IB

Old code 18130. 5 credit points

Offered: July. **Prerequisite:** Radiation Therapy 1A MRTY 1027 (18129). **Corequisite:** Radiation Therapy Physics 1 MRTY 1029 (18131).

This unit of study expands the knowledge gained in Radiation Therapy IA, and concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat simple palliative techniques on the linear accelerator and routine superficial therapy techniques. The role of the radiation therapist as a supporter and educator of the patient will also be addressed.

MRTY 1029 Radiation Therapy Physics I

Old code 18131. 3 credit points

Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119(11106).

This unit of study will cover the physical principles of the appropriate use of ionising radiation in radiation therapy. A variety of beam generating devices are covered, paying particular attention to their uses in modern radiation therapy. The physical basis of beam calibration and manual dose calculation for fixed and isocentric radiotherapy are introduced.

MRTY 1030 Clinical Education IC

Old code 18132. 3 credit points

Offered: July. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), CPR Certificate.

This is the first of four units of study in which students are placed in radiation oncology centres, primarily in the greater Sydney metropolitan region. The aim of this unit is to provide students with an introduction to clinical radiation oncology.

MRTY 2057 **Introductory Radiation Biology and Protection**

Old code 18257. 3 credit points

Offered: February. **Prerequisite:** Introductory Radiation Physics IA BIOS 1119 (111C6), Introductory Human Biology BIOS 1084 (11193).

This unit of study introduces students to the radiobiological effects and safe use of ionising radiation common to all Medical Radiations.

MRTY 2058 **Sectional Anatomy**

Old code 18258. 3 credit points

Offered: February. **Prerequisite:** Biomedical Sciences IA BIOS 1122 (111C8), Biomedical Sciences IB BIOS 1123 (111C9).

Corequisite: Biomedical Sciences 2 BIOS 2093 (112E6).

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. Students will complete two core modules - the thorax and the brain. These modules will be facilitated through lectures and tutorials. Students will also select two modules for independent study. It is anticipated that students will select modules relevant to their discipline.

MRTY 2059 **Medical Ethics and Professional Issues**

Old code 18259. 3 credit points

Corequisite: Clinical Education 2A MRTY 2063 (18263) or Clinical Education 2B MRTY 2067 (18267) or Clinical Education 2C MRTY 2070(18270).

NB: Offered during on-campus clinical time.

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.

MRTY 2060 **Radiographic Physics II**

Old code 18260. 4 credit points

Offered: February. **Prerequisite:** Radiographic Physics 1 MRTY 1021 (18123). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257).

This unit of study introduces the student to construction, design, operation, associated radiation protection and quality control of general radiographic and processing equipment. A module in introductory Image Processing will be presented.

MRTY 2061 **Radiographic Practice II**

Old code 18261. 7 credit points

Offered: February. **Prerequisite:** Radiographic Practice 1B MRTY 1020 (18122) Clinical Education 1A/MRTY 1022 (18124).

This unit of study will introduce students to the principles and practice of plain non-contrast radiographic procedures of the appendicular and axial skeleton and will build upon the units Radiographic Practice IA and IB. The unit will provide students with the fundamental knowledge of properties and effects of contrast media, the mechanism of contrast media reactions, the treatment of contrast media reactions and the practice of contrast media procedures of the gastro-intestinal and genito-urinary tracts. The radiographic appearance of relevant osseous and visceral anatomy will be taught in this unit.

MRTY 2062 **Radiographic Pathology I**

Old code 18262. 3 credit points

Offered: February. **Prerequisite:** Radiographic Practice 1B MRTY 1020 (18122) Biomedical Sciences 1B BIOS 1123 (111C9).

Corequisite: Radiographic Practice 2 MRTY 2061 (18261).

This unit provides an introduction to basic pattern recognition of normal non-contrast radiographic appearance of the pelvic girdle, spine and abdomen. It also introduces students to basic pattern recognition of normal contrast radiographic appearance of the renal, alimentary and hepatobiliary tracts. Case studies of common trauma and pathological conditions of the above regions will be presented.

MRTY 2063 **Clinical Education IA**

Old code 18263. 21 credit points

Offered: July. **Prerequisite:** Clinical Education 1A MRTY 1022

(18124), Radiographic Practice 2 MRTY 2061 (18261). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259).

This is the second of 4 units of study in clinical education and consists of 14 weeks of clinical practice. During this unit of study the student will practice the skills that are basic to the profession of radiography. They will consolidate their learning in the areas of general skeletal radiography, contrast media examinations of the gastrointestinal and genitourinary tract, general paediatric radiography, mobile radiography and operating suite radiography. Students will obtain competencies in these areas.

MRTY 2064 **Nuclear Medicine Physics II**

Old code 18264. 4 credit points

Offered: February. **Prerequisite:** Nuclear Medicine Physics 1 MRTY 1025 (18127). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257).

This unit of study extends and develops studies in aspects of nuclear medicine technology systems. It gives the student a comprehensive review of gamma camera specifications, quality control, digital cameras, statistical analysis and physical principles of quantitative nuclear medicine and tomography devices. The unit of study concludes with a review of recent developments in instrumentation. A module in introductory Image Processing will be presented.

MRTY 2065 **Nuclear Medicine I**

Old code 18265. 6 credit points

Offered: February. **Prerequisite:** Nuclear Medicine 1B MRTY 1024 (18126), Clinical Education 1B MRTY 1026 (18128).

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the endocrine, genito-urinary, gastrointestinal, and lymphatic systems of the body. Principles of gallium imaging will be introduced. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals.

MRTY 2066 **Radiopharmacy**

Old code 18266. 4 credit points

Offered: February. **Prerequisite:** Introductory Human Biology BIOS 1084 (11193), Nuclear Medicine 1B (MRTY 1024 (18126).

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.

MRTY 2067 **Clinical Education MB**

Old code 18267. 21 credit points

Offered: July. **Prerequisite:** Clinical Education 1B MRTY 1026 (18128), Nuclear Medicine 2 MRTY 2065 (18265). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259).

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in Nuclear Medicine procedures. Students will be required to demonstrate a range of acquired skills and applied knowledge in Nuclear Medicine practice sufficient for entry to the Clinical Education 3B program.

MRTY 2068 **Radiation Therapy Physics II**

Old code 18268. 4 credit points

Offered: February. **Prerequisite:** Radiation Therapy Physics 1 MRTY 1029 (18131). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257).

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.

MRTY 2069 Radiation Therapy II

Old code 18269. 7 credit points

Offered: February. **Prerequisite:** Radiation Therapy 1B MRTY 1028 (18130). **Corequisite:** Radiation Therapy Physics 2 MRTY 2068 (18268) Oncology A BIOS 2094 (112E7).

This unit of study expands the knowledge gained in Radiation Therapy 1B, and aims to apply the principles taught in the radiation therapy physics unit of study to clinical radiation therapy. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi-field techniques of the brain, head and neck and pelvic regions. The role of the radiation therapist as a supporter and educator of the patient will continue to be addressed.

MRTY 2070 Clinical Education IIC

Old code 18270. 21 credit points

Offered: July. **Prerequisite:** Clinical Education 1C MRTY 1030 (18132) Radiation Therapy 2 MRTY 2069 (18269). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259).

This is the second of four units of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and developed in the clinical setting.

MRTY 3020 Professional Studies

Old code 18320. 2 credit points

Offered: February. **Prerequisite:** Clinical Education IIA MRTY 2034 (18234), OR Clinical Education IIB MRTY 2035 (18235), OR Clinical Education IIC MRTY 2036 (18236).

This unit provides a framework for the understanding of the professional, ethical and legal issues relating to the medical radiation profession. Emphasis will be placed on the current professional issues in medical radiation sciences and the impending role of the graduate as a contributing member of the profession.

MRTY 3026 Clinical Education NIB

Old code 18326. 14 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Nuclear Medicine 1B MRTY 2050 (18250), Clinical Education IIB MRTY 2035 (18235), Nuclear Medicine IIA MRTY 3047 (18347), Clinical Education IIB MRTY 3026 (18326).

Semester 1: 4 credit points. Semester 2: 10 credit points.

This unit provides a structured program of clinical experience which will direct the student to the wider practice of Nuclear Medicine. Content in the professional subjects is closely linked to the students practice. Students will need to demonstrate an increased level of independence and critical analysis by this stage of the program.

In semester 2, the unit provides a structured program of clinical experience which will direct the student to integrating all components of the theoretical professional subjects and putting these into clinical practice. Students will have completed all components of proficiency in Nuclear Medicine practice.

MRTY 3030 Clinical Education IIIC

Old code 18330. 17 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Clinical Education IIC MRTY 2036 (18236). **Corequisite:** Radiation Therapy IIA MRTY 3049(18349).

Semester 1: 6 credit points. Semester 2: 11 credit points.

This unit provides the student with a structured program of clinical experience to apply the knowledge and skills obtained in Radiation Therapy IIA & IIB.

MRTY 3032 Radiographic Pathology II

Old code 18332. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiographic Pathology IB MRTY 2046 (18246).

This unit introduces the student to the radiographic manifestations of selected disease processes, congenital disorders and malformations in the alimentary tract, hepatobiliary, genitourinary and central nervous systems.

MRTY 3033 Contrast Media

Old code 18333. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Introductory Human Biology BIOS 1084 (11193). **Corequisite:** Radiography IIA MRTY 3043 (18343), Clinical Education IIIA MRTY 3035(18335).

This unit provides the student with fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis on intravascular contrast media. The mechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY 3034 Radiation Therapy Project

Old code 18334. 2 credit points

Offered: Full Year (starts Feb). **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education IIC MRTY 2034 (18234). **Corequisite:** Behavioural Science IIIA BEHS 3073 (103C6).

NB: This unit has a value of 4 credit points for Singapore conversion courses.

This unit provides the student with the opportunity to undertake an investigative project in a specific area of applied radiation therapy. This project will develop the student's ability to work independently, with minimum supervision and introduces the student to the place of research in radiation therapy.

MRTY 3035 Clinical Education IIIA

Old code 18335. 15 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Clinical Education IIA MRTY 2034 (18234). **Corequisite:** Radiography IIA MRTY 3043 (18343) and Radiography IIB MRTY 3044 (18344).

Semester 1: 4 credit points. Semester 2: 11 credit points.

This unit provides a structured program of clinical experience to attain the applied knowledge and skills for radiographic examinations taught in Radiography IIA & IIB.

MRTY 3037 Image Processing A

Old code 18337. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).

This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY 3038 Image Processing B

Old code 18338. 1 credit point

Offered: July. **Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).

This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY 3039 Sonography A

Old code 18339. 2 credit points

Offered: February.

This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY 3040 Sonography B

Old code 18340. 2 credit points

Offered: July.

This unit extends the areas of clinical applications and practice of diagnostic ultrasound.

MRTY 3041 Imaging IIA

Old code 18341. 4 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238), Radiation Protection MRTY 2037 (18237), Imaging 1A MRTY 2041 (18241), Imaging 1B MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing A MRTY 3037 (18337).

This unit complements Imaging I and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY 3042 **Imaging IIB**

Old code 18342. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238) Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing B MRTY 3038 (18338).

This unit concentrates upon ensuring a study of the range of digital radiographic equipment. Quality assurance and radiation protection principles and practice are expanded further.

MRTY 3043 **Radiography IIA**

Old code 18343. 4 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335).

This unit builds upon the unit Radiography I which has discussed the radiographic techniques for general skeletal radiography. This unit develops higher order critical thinking and radiographic skills in the areas of multiple trauma, paediatric radiography, gastro-intestinal and genito-urinary contrast examinations. The unit also provides the student with a 'problem solving' approach to technically difficult radiographic examinations. Case scenarios include a variety of patient injuries, pathological diseases and physical disabilities.

MRTY 3044 **Radiography IIB**

Old code 18344. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335).

This unit provides students with knowledge of specialised radiographic imaging modalities. These include angiography, CT, MRI and other smaller areas of contrast examinations. Students will examine aspects such as patient and contrast media preparation, technical considerations and routine protocols for the specialised modalities. The appropriateness of a particular imaging modality will be discussed with respect to the diagnosis of injury or presence and extent of a disease process.

MRTY 3045 **Instrumentation IIA**

Old code 18345. 4 credit points

Offered: February. **Prerequisite:** Instrumentation IA MRTY 2047 (18247), Instrumentation IB MRTY 2048 (18248).

This unit provides the student with a detailed knowledge of the most recently developed Nuclear Medicine Instrumentation systems giving the student some understanding of appropriate usage and performance evaluation.

MRTY 3046 **Instrumentation IIB**

Old code 18346. 3 credit points

Offered: July. **Prerequisite:** Instrumentation IA MRTY 2047 (18247), Instrumentation IB MRTY 2048 (18248).

This unit provides the student with some advanced knowledge of nuclear medicine instrumentation including PET (Positron Emission Tomography) and Cyclotron.

MRTY 3047 **Nuclear Medicine IIA**

Old code 18347. 6 credit points

Offered: February. **Prerequisite:** Nuclear Medicine IB MRTY 2050 (18250), Clinical Education IIB MRTY 2035 (18235), Radiopharmacy B MRTY 2052 (18252). **Corequisite:** Instrumentation IIA MRTY 3045 (18345), Clinical Education IIIB MRTY 3026 (18326).

This unit examines in detail the applications of Nuclear Medicine to the systems of the body including the study of the associated physiological pathways.

MRTY 3048 **Nuclear Medicine IIB**

Old code 18348. 4 credit points

Offered: July. **Prerequisite:** Nuclear Medicine IIA MRTY 3047 (18347), Clinical Education IIB MRTY 2035 (18235). **Corequisite:** Instrumentation IIB MRTY 3046 (18346), Clinical Education IIB MRTY 3026 (18326).

This unit examines in detail the applications of Nuclear Medicine to the systems of the body including the study of the associated physiological pathways.

MRTY 3049 **Radiation Therapy IIA**

Old code 18349. 5 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256). **Corequisite:** (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330).

This is the fourth of five units which cover the principles and applications of applied radiation therapy. Advanced routine applications of radiation therapy are examined, including the incorporation of cross-axial imaging modalities into planning. Problem-based learning methods will be used in this unit.

MRTY 3050 **Radiation Therapy IIB**

Old code 18350. 3 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253). **Corequisite:** (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330).

This is the last of five units which cover the principles and applications of applied radiation therapy. This unit extends the study of the applications of radiation therapy into the rarer techniques and provides an introduction to the less common modalities of brachytherapy, stereotactic radiosurgery, interoperative radiotherapy and others.

MRTY 3051 **Radiotherapy Physics IIA**

Old code 18351. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254).

This is the third of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY 3052 **Radiotherapy Physics IIB**

Old code 18352. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351).

This is the last of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY 3053 **Principles of Oncology A**

Old code 18353. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the first of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3054 **Principles of Oncology B**

Old code 18354. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the second of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 4006 **Honours Thesis**

Old code 18413. 34 credit points

Offered: Full Year (starts Feb).

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation technology. As part of this and other Honours units, each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor.

In a thesis the following normally occur:

- a proposition is delineated from appropriate literature and theory.
- an empirically evaluated hypothesis is derived from the proposition which defines the data to be tested
- methodologies for testing the data are discussed
- an appropriate methodology is selected
- the research is conducted
- the results of the research are analysed and discussed

MRTY 4011 Research in Medical Radiations II

Old code 18419. 1 credit point

Offered: July.

Computer skills will be developed in a practical manner for statistics, spreadsheet and data presentation packages. Individual consultation will be provided for problems related to the statistics of students' research projects. Document creation/display and word processing skills will also be developed.

MRTY 4017 Honours Workshop A

Old code 18426. 2 credit points

Offered: February.

This workshop is designed to assist Honours students with the development of their individual research projects. Students are encouraged to develop an understanding of the nature of the knowledge and methodology they are using in their research through discussion of articles.

MRTY 4018 Honours Workshop B

Old code 18427. 2 credit points

Offered: July.

This workshop continues the development of individual Honours Theses through an emphasis on written presentation skills.

MRTY 4020 Research in Medical Radiations IA

Old code 18429.1 credit point

Offered: February.

This unit helps the student to identify research possibilities in the professional area of medical radiation technology. Students will develop the ability to critically analyse journal articles, and compile a literature review and research proposal.

MRTY 4021 Research in Medical Radiations IB

Old code 18430. 2 credit points

Offered: July.

This unit helps the student to identify research possibilities in the professional area of medical radiation technology. Students will develop the ability to critically analyse journal articles, and compile a literature review and research proposal.

School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences currently offers three undergraduate degree programs: Bachelor of Applied Science (Occupational Therapy), Bachelor of Applied Science (Leisure and Health) and Bachelor of Health Science (Occupational Therapy). The School also provides a number of postgraduate programs.

The School of Occupation and Leisure Sciences was known as the School of Occupational Therapy until 1998 and was a foundation school of Cumberland College of Health Sciences when it was established in 1973. Prior to that year, the education of occupational therapists in NSW was the responsibility of the NSW Association of Occupational Therapists. The first training program commenced in 1941.

One of the first undertakings of the School was to raise the level of the occupational therapy course from diploma to degree in line with other occupational therapy courses in Australia. The Bachelor of Applied Science (Occupational Therapy) was introduced in 1976 with an Honours option becoming available from 1991. The school was instrumental in setting up a Diploma in Occupational Therapy in Singapore in 1991 and in 1996 the Bachelor of Health Science (Occupational Therapy) was developed to enable diplomates to convert to a degree.

In 1985, the School introduced the Associate Diploma in Diversional Therapy, the first formal education for diversional therapists in Australia. Prior to 1985, the Australian Red Cross and the Diversional Therapy Association provided training and education.

In recognition of the need for a higher level of education for diversional therapists and other leisure service practitioners, the level of the course was raised to the Bachelor of Applied Science (Diversional Therapy) in 1995. To reflect the diversity of graduates' career opportunities, the name Bachelor of Applied Science (Diversional Therapy) was changed to Bachelor of Applied Science (Leisure and Health) in 1997. An Honours program was also introduced at this time. A course offered through a flexible delivery mode was introduced in 1999.

The School has developed a range of postgraduate study options. Programs include PhD level studies, a research Master's degree and an articulated coursework program which culminates in a Master's degree. The graduate program includes Graduate Certificates which focus on specialty areas of practice in occupational therapy.

The School introduced the two year Master of Occupational Therapy in 1998. This program is an alternative professional pathway for people holding degrees in other areas of study and an alternative to the undergraduate occupational therapy degree. This professional Master's degree is the first of its kind in the southern hemisphere.

Further information about the School's programs may be obtained from the School on (02) 9351 9386.

Bachelor of Applied Science (Leisure and Health)

Access to pleasurable leisure experiences is the right of everyone in society. Leisure experiences have been proven to add to a person's life satisfaction and to their personal growth. This degree program prepares graduates to work with individuals and groups of people who require support to be able to participate in leisure and recreation activities.

Graduates work in a variety of health and community settings under titles such as program coordinator, diversional therapist, community recreation coordinator, social and health educator and peer support worker. Clients range from children to older adults coming from a wide range of ethnic and cultural backgrounds. Leisure and health professionals work in a variety of settings such as hospitals, rehabilitation units, after school and vocation care centres, psychiatric units, outdoor recreation programs, aged care facilities, palliative care units, day centres, remand centres and goals and organisations for people with disabilities.

Thirteen weeks of Professional Practice is spread over the three years of the program. Professional Practice is divided into four blocks and students are encouraged to select a program that gives them experience with working with different client groups in a range of centres. A typical program of placement could include experiences with aged people in a hostel, young people with disabilities, program coordination in a government department, a camp for children with arthritis and working with people with a mental illness. At least one placement must be with older people and one with people with a disability.

Admission requirements (full-time mode)

There are no specific prerequisites to the Bachelor of Applied Science (Leisure and Health) courses. The general admission requirements in Chapter 3 apply. However prospective students would benefit from undertaking 2 unit Chemistry, or 3 or 4 unit Science at HSC level.

Admission requirements (off-campus/flexible mode)

Admission to this course is available to those applicants who are of mature age and who have at least one year work experience in a related field. Applicants are required to fill in an application form available from Cumberland Campus Student Administration Services.

Course outline

The course outline for the Bachelor of Applied Science (Leisure and Health) is presented in Tables 12.1, 12.1.1 and 12.1.2.

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 12.1.1 for course outline.

Table 12.1: Bachelor of Applied Science (Leisure and Health)

Course code	Mode of offer			
1531	Pass Course; Full-time, 3 years			
1533	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
BACH 1098	(25181)	Introduction to Health Sociology	5	-
BACH 1099	(25182)	Psychology I	-	5
BACH 1100	(25183)	Sociology of Community and Family	-	3
BIOS 1106	(111B5)	Biological Sciences IA	4	-
BIOS1107	(111B6)	Biological Sciences IB	-	4
OCCP1053	(15154)	Australian Healthcare Services	4	-
OCCP1054	(15155)	Leisure in Australia	4	-
OCCP1055	(15156)	Introduction to Leisure and Health	4	-
OCCP1056	(15157)	Management and Leadership	-	4
OCCP1057	(15158)	Creative Arts in Recreation	-	4
OCCP1058	(15159)	Programming for Children and Adolescents	-	4
OCCP1059	(15160)	Professional Practice I: Communication Skills	3	-
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
BACH 1031	(251 IK)	Clients, Practitioners and Organisations	3	-
BACH2113	(25289)	Psychology of Disability I	4	-
BACH2114	(25290)	Psychology of Disability II	-	4
BACH2115	(25291)	Research Methods I	-	3
BIOS2084	(112D9)	Biological Sciences IIA	2	-
BIOS2085	(112E0)	Biological Sciences IIB	-	2
OCCP2058	(152B6)	Social Psychology of Leisure	3	-
OCCP2059	(152B7)	Learning Processes and Leisure Education	3	-
OCCP2060	(152B8)	Diversional Therapy and the Ageing Population	3	-
OCCP2053	(152B1)	Contemporary Issues in Healthcare	-	3
OCCP2061	(152B9)	Client Groups I	-	4
OCCP2062	(152C0)	Program Design and Evaluation	-	4
OCCP2063	(152C1)	Professional Practice II: Skill Development*	6	4
Stage total (48 credit points for Year 2)			24	24
*Includes 105 hours intersemester and a 35 hour camp				
<i>Year 3</i>				
BACH3059	(25357)	Research Methods II	2	-
BACH3060	(25358)	Sociology of the Aged and Ageing	-	3
BACH3061	(25359)	Psychology II	-	4
BIOS3042	(11397)	Biological Sciences IIIA	2	-
BIOS3043	(11398)	Biological Sciences IIIB	-	2
OCCP3050	(15393)	Professional Communication and Guidance	3	-
OCCP3051	(15394)	Outdoor Recreation and Education	-	3
OCCP3052	(15395)	Research Project in Leisure and Health	-	4
OCCP3053	(15396)	Client Groups II	-	3
OCCP3054	(15397)	Professional Practice III: Mastery and Research	17	5
Stage total (48 credit points for Year 3)			24	24

Table 12.1.1: Bachelor of Applied Science (Leisure and Health) Honours

Course code	Mode of offer			
1533	Full-time, 4 years, Honours			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Years 1 and 2</i>				
As per Pass program (Table 12.1)				
<i>Year 3</i>				
BACH3082	(25380)	Sociology of the Aged and Ageing	3	-
BACH3061	(25359)	Psychology II	-	4
BACH1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BIOS3042	(11397)	Biological Sciences IIIA	2	-
BIOS3043	(11398)	Biological Sciences IIIB	-	2
OCCP3050	(15393)	Professional Communication and Guidance	3	-
OCCP3051	(15394)	Outdoor Recreation and Education	-	3
OCCP3053	(15396)	Client Groups II	-	3
OCCP3054	(15397)	Professional Practice III: Mastery and Research	17	5
OCCP3029	(15378)	Honours Research Seminar I	-	3
Stage total (48 credit points for Year 3)			25	23
<i>Year 4</i>				
OCCP4019	(15442)	Honours Research Seminar 11	2	2
OCCP4043	(154A8)	Honours Thesis	19	22
		Research elective*	3	-
Stage total (48 credit points for Year 4)			24	24

*Honours students in consultation with their supervisor, elect to take the Research elective in either year 3 or year 4.

Table 12.1.2: Bachelor of Applied Science (Leisure and Health) off-campus mode

Course code	Mode of offer			
1541	Off-campus/Flexible mode			
	Pass course; Part-time, 6 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
OCCP1054	(15155X)	Leisure in Australia	4	-
OCCP1055	(15156X)	Introduction to Leisure and Health	4	-
OCCP1057	(15158X)	Creative Arts in Recreation (Advanced Standing*)	4	-
BACH1098	(25181X)	Introduction to Health Sociology	-	5
BIOS1106	(111B5X)	Biological Sciences 1A	-	4
OCCP1058	(15159X)	Programming for Children and Adolescents	-	4
Stage total (25 credit points for Year 1)			12	13
<i>Year 2</i>				
BACH1099	(25182X)	Psychology I	5	-
OCCP1056	(15157X)	Management and Leadership	4	-
OCCP1053	(15154X)	Australian Healthcare Services (Advanced Standing*)	4	-
BACH 1100	(25183X)	Sociology of Community and Family	-	3
BIOS 1107	(111B6X)	Biological Sciences IB	-	4
OCCP1059	(15160X)	Professional Practice I: Communication Skills (Advanced Standing*)	-	3
Stage total (23 credit points for Year 2)			13	10
<i>Year 3</i>				
OCCP2059	(152B7X)	Learning Processes and Leisure Education (Block Mode)	3	-
OCCP2062	(152C0X)	Program Design and Evaluation (Block Mode)	4	-
BACH2113	(25289X)	Psychology of Disability I	4	-
BACH2114	(25290X)	Psychology of Disability II	-	4
BACH2115	(2529IX)	Research Methods I	-	3
OCCP2060	(152B8X)	Diversional Therapy and the Ageing Population	-	3
Stage total (21 credit points for Year 3)			11	10

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 4				
BIOS2084	(112D9X)	Biological Sciences IIA	2	-
OCCP2058	(152B6X)	Social Psychology of Leisure	3	-
OCCP2053	(152B1X)	Contemporary Issues in Healthcare (Block Mode)	3	-
BACH 1031	(2511KX)	Clients, Practitioners and Organisations	-	3
BIOS2085	(112E0X)	Biological Sciences IIB	-	2
OCCP2061	(152B9X)	Client Groups 1	-	4
OCCP2063	(152C1X)	Professional Practice II: Skill Development (Advanced Standing*)	-	10
Stage total (27 credit points for Year 4)			8	19
Year 5				
BACH3059	(25357X)	Research Methods II	2	-
OCCP3050	(15393X)	Professional Communication and Guidance (Block Mode)	3	-
OCCP3051	(15394X)	Outdoor Recreation and Education (Block Mode)	3	-
OCCP3044	(15398X)	Professional Practice III: Mastery and Research (across Semesters 9-12)	5	6
BACH3060	(25358X)	Sociology of the Aged and Ageing	-	3
OCCP3053	(15396X)	Client Groups II	-	3
Stage total (25 credit points for Year 5)			13	12
Year 6				
BACH3061	(25359X)	Psychology II	4	-
BIOS3042	(11397X)	Biological Sciences IIIA	2	-
BIOS3043	(11398X)	Biological Sciences IIIB	-	2
OCCP3045	(15399X)	Professional Practice III	5	6
OCCP3052	(15395X)	Research Project in Leisure and Health	-	4
Stage total (23 credit points for Year 6)			11	12

*Students will be given advanced standing in these subjects in recognition of their workplace experience.

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). Please refer to the General Admission Requirements in Chapter 3.

Course outline

The course outlines for the Bachelor of Applied Science (Occupational Therapy) are presented in Tables 12.2 and 12.2.1.

Honours program

For information specific to the Occupational Therapy Honours program students are advised to contact the Honours Course Coordinator.

The Occupational Therapy Honours program includes the first four semesters of the Pass program followed by four semesters when the student is specifically enrolled in the Honours Program. See Table 11.3 for course outline.

In order for honours students to have adequate time to pursue their research studies a number of modifications include internal exemptions and tutorial group flexibility in Year 3 and Year 4 units of study, and timetabling flexibility for Fieldwork Education IV. Students undertake Fieldwork Education IV at a suitable time in relation to their research studies and in consultation with their supervisor and the Fieldwork Subject Manager.

Table 12.2: Bachelor of Applied Science (Occupational Therapy)

Course code	Mode of offer			
1519	Full-time, 4 years			
1520	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 3 (last offered in 2000)</i>				
BACH3052	(25350)	Sociology of Health II	-	3
BACH3053	(25351)	Health Psychology	-	3
BIOS3027	(11382)	Body Systems II	-	5
OCCP3030	(15379)	Human Occupations III	-	2
OCCP3031	(15380)	Components of Occupational Performance III	-	4
OCCP3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP3041	(15390)	Fieldwork Education IIIA	14	-
OCCP3042	(15391)	Fieldwork Education IIIB	10	4
Stage total (48 credit points for Year 3)			24	24
<i>Year 4 (to be last offered in 2001)</i>				
BACH4033	(25432)	Psychology of Adulthood and Ageing	2	-
BACH4034	(25433)	Social Psychology	2	-
BACH4035	(25434)	Sociology Elective	2	-
EXSS4001	(22401)	Applied Physiology	4	-
OCCP4026	(15460)	Human Occupations IV	4	-
OCCP4027	(15461)	Components of Occupational Performance IV	4	-
OCCP4041	(154A6)	Occupational Therapy Theory and Process IVA	1	2
OCCP4042	(154A7)	Occupational Therapy Theory and Process IVB	2	-
OCCP4029	(15463)	Evaluation of Occupational Therapy Programs	1	2
OCCP4030	(15464)	Fieldwork Education IV	2	20
Stage total (48 credit points for Year 4)			24	24

Table 12.2.1: Bachelor of Applied Science (Occupational Therapy) Honours

Course code	Mode of offer			
1520	Full time, 4 years, Honours course			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Years 1 and 2</i>				
As per Pass program (Table 12.2)				
<i>Year 3 (last offered in 2000)</i>				
BACH3052	(25350)	Sociology of Health II	-	3
BACH3053	(25351)	Health Psychology	-	3
BIOS3027	(11382)	Body Systems II	-	5
OCCP3030	(15379)	Human Occupations III	-	2
OCCP3031	(15380)	Components of Occupational Performance III	-	4
OCCP3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP3041	(15390)	Fieldwork Education IIIA	14	-
OCCP3042	(15391)	Fieldwork Education IIIB	10	4
		Research Elective*	-	3
OCCP3029	(15378)	Honours Research Seminar I	-	3
Stage total (54 credit points for Year 3)			24	30
<i>Year 4 (to be last offered in 2001)</i>				
BACH4033	(25432)	Psychology of Adulthood and Ageing	2	-
BACH4034	(25433)	Social Psychology	2	-
BACH4035	(25434)	Sociology Elective	2	-
EXSS4001	(22401)	Applied Physiology	4	-
OCCP4019	(15442)	Honours Research Seminar II	2	2
OCCP4040	(154A5)	Human Occupations IV (Hons)	2	-
OCCP4023	(15445)	Honours Thesis	10	12
OCCP4044	(154A9)	Fieldwork Education IV	6	16
Stage total (60 credit points for Year 4)			30	30

*Honours students, in consultation with their supervisor, elect to take one Research Elective only in either Year 3 or Year 4.

Table 12.2.2: Bachelor of Applied Science (Occupational Therapy)

Course code	Mode of offer			
1542	Pass Course, Full-time, 4 years			
1543	Honours Program, Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
BACH1029	(25111)	Introduction to Health Sociology	3	-
BACH1087	(25170)	Introductory Psychology	3	-
BACH1088	(25171)	Cognitive Functioning	-	2
BIOS1114	(111D0)	Introductory Biomedical Sciences	3	-
BIOS1115	(111D1)	Body Function in Health and Disease	-	3
BIOS1069	(11177)	Musculoskeletal Anatomy	2	2
OCCP1035	(15136)	Human Occupations IA	2	-
OCCP1036	(15137)	Human Occupations IB	-	3
OCCP1037	(15138)	Components of Occupational Performance IA	4	-
OCCP1038	(15139)	Components of Occupational Performance IB	-	4
OCCP1060	(15161)	Occupational Therapy Theory and Process IA	3	-
OCCP1061	(15162)	Occupational Therapy Theory and Process IB	-	2
OCCP1062	(15163)	Occupations and Roles Across the Lifespan IA	2	-
OCCP1063	(15164)	Occupations and Roles Across the Lifespan IB	-	2
OCCP1064	(15165)	Professional Practice I	1	3
		Electives*	-	4
Stage total (48 credit points for Year 1)			23	25
Year 2 (to be first offered in 2000)				
BACH2041	(2521U)	Psychopathology and Behaviour Change	3	-
BACH2102	(25278)	Research Methods I: Design	4	-
BACH2042	(2521V)	Clients, Work and Organisations	-	3
BACH2043	(2521W)	Social and Health Psychology	-	2
BIOS2091	(112E8)	Neurobiology I	5	-
BIOS2092	(112E9)	Neurobiology II	-	3
EXSS2015	(22215)	Kinesiology for Occupational Therapy	-	3
OCCP2041	(15297)	Human Occupations IIA	3	-
OCCP2042	(15298)	Human Occupations IIB	-	3
OCCP2043	(15299)	Components of Occupational Performance IIA	3	-
OCCP2044	(152A1)	Components of Occupational Performance IIB	-	3
OCCP2045	(152A2)	Occupational Therapy Theory and Process IIA	3	-
OCCP2046	(152A3)	Occupational Therapy Theory and Process IIB	-	2
OCCP2072	(152C3)	Occupations and Roles Across the Lifespan II	2	-
OCCP2071	(152C2)	Professional Practice II	1	4
Stage total (47 credit points for Year 2)			24	23
Year 3 (to be first offered in 2001)				
BACH3094	(25392)	Health, Medicine and Society	-	3
EXSS3019	(22319)	Applied Physiology	-	3
OCCP3030	(15379)	Human Occupations III	-	2
OCCP3057	(15342)	Components of Occupational Performance III	-	3
OCCP3055	(153A0)	Occupations and Roles Across the Lifespan III	-	2
OCCP3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP3056	(15341)	Professional Practice III	24	1
		Electives*	-	8
Stage total (49 credit points for Year 3)			24	25
Year 4 (to be first offered in 2002)				
		Professional Electives (three electives - 8 credit points each)	24	-
OCCP4051	(154B4)	Professional Practice IV	-	24
Stage total (48 credit points for Year 4)			24	24

Table 12.2.3: Bachelor of Applied Science (Occupational Therapy) Honours

Course code	Mode of offer			
1543	Honours Program, Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Years 1 and 2				
As per Pass Program (Table 12.2.2)				
Year 3 (to be first offered in 2001)				
BACH3094	(25392)	Health, Medicine and Society	-	3
OCCP3030	(15379)	Human Occupations III	-	2
OCCP3031	(15380)	Components of Occupational Performance III	-	3
OCCP3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP3055	(153A0)	Occupations and Roles Across the Lifespan III	-	2
EXSS3019	(22319)	Applied Physiology	-	3
		Research Elective ¹	-	3
OCCP3029	(15378)	Honours Research Seminar I	-	3
OCCP3056	(153A1)	Professional Practice III	24	1
		Electives ²	-	1
Stage total (48 credit points for Year 3)			24	24
Year 4 (to be first offered in 2002)				
OCCP4019	(15442)	Honours Research Seminar II	2	2
OCCP4023	(15445)	Honours Thesis	10	10
OCCP4052	(15485)	Professional Practice IV (Hons)	12	12
Stage total (48 credit points for Year 4)			24	24

Notes

- Honours students, in consultation with their supervisor, elect to take one Research Elective only in either year 3 or year 4.
- Students choose units of study to the value of 12 credit points during the first three years of the course. (The units of study are chosen from outside the Occupational Therapy Undergraduate Course).

Professional practice

Professional Practice is an integral part of the occupational therapy and leisure and health programs offered by the School of Occupational Therapy. Fieldwork education may consist of block placements and other guided learning experiences. These experiences provide students with an opportunity to practise 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 and country facilities.

Leisure and Health Fieldwork

Fieldwork I - A one week block placement in the inter-semester recess, plus 15 hours of Clinical Practicums spread over Semesters 1 and 2.

Fieldwork II - A three week block placement in the inter-semester recess and a 35 hour weekend camp, scheduled at various times during the year. Comprises 26 hours of Clinical Practicums Semester 1 plus a 3 hour review session Semester 2.

Fieldwork III - During first semester, third year students undertake a nine week field placement. This may be completed in one block at a single facility or broken into two blocks at two different facilities. Students are able to make choices concerning the venue/s of this placement. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervision from placement advisors and the university supervisor. Students utilise learning contracts and have input into the assessment for this subject.

*Professional practice dates***Year 1**

26-30 June

Year 2

3-14 July

Year 3

20 March - 2 June

Occupational Therapy Fieldwork Education

Fieldwork Education I - Lectures, tutorials and two week block placement in the first two weeks of inter-semester recess (82 hours).

Fieldwork Education II

Fieldwork Education III A & B - Briefing and debriefing tutorials, and two blocks of placements of seven weeks each in the first semester (264 + 264 hours).

Fieldwork Education IV - Fieldwork four has three parts. Briefing and debriefing tutorials, an eight week placement and a two week period to be used by students to collect information from the fieldwork site. This information will contribute towards development of a program evaluation proposal for the unit of study Evaluation of Occupational Therapy Programs (379 hours).

*Professional practice dates***Year 1**

26 June - 7 July

Year 2

26 June - 14 July

11-29 September

4-22 December

Year 3

28 February - 14 April, AND

1 May - 16 June

Year 4

Pass: 17 July - 8 September

Honours: 6 November-22 December

Uniforms

Students in the occupational therapy course may need to obtain uniforms to be worn while undertaking hospital placements where uniforms are required. Not all fieldwork sites require students to wear uniforms. Students in the leisure and health course may be required to wear uniforms on some fieldwork placements. 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

Blouse: Lemon Shirtmaker
Skirt/Culotte: navy blue
Cardigan/jumper: navy blue
Shoes: closed in, navy blue

Men

Shirt: Lemon Shirtmaker
Trousers: navy blue
Cardigan/jumper: navy blue
Shoes: black

Occupational Therapy Students

Women

Short Sleeved white blouse
Navy blue culotte skirt /Navy blue trousers
Navy blue cardigan/jumper
Navy, black or white, closed shoes

Men

White short sleeves shirt
Navy blue trousers
Navy blue cardigan/jumper
Black or brown shoes

Units of study

BACH 1029 Introduction to Health Sociology

Old code 25111. 3 credit points

Offered: February.

NB: Also available in off-campus mode.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1031 Clients, Practitioners and Organisations

Old code 2511 K/2511KX. 3 credit points

Offered: February. **Prerequisite:** Introduction to Health Sociology (101C2).

This unit uses sociological perspectives to analyse key interpersonal and organizational aspects of therapy and work in health care settings. The focus will be on client-practitioner relationships and upon the legislative and institutional context of work and health care provision.

BACH 1087 Introductory Psychology

Old code 25170. 3 credit points

Offered: February.

This unit of study provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1088 Cognitive Functioning

Old code 25171. 2 credit points

Offered: July.

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

BACH 1098 Introduction to Health Sociology

Old code 25181/25181X. 5 credit points

Offered: February.

This unit of study provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students' understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 1099 Psychology I

Old code 25182/25182X. 5 credit points

Offered: July.

This unit of study provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098(25181).

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.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points

Offered: February, July. Prerequisite: Research Methods I: Design BACH 1026 (2511F) or Research Method I.

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.

BACH 2041 Psychopathology and Behaviour Change

Old code 2521U. 3 credit points

Offered: February. Prerequisite: Introduction to Health Sociology BEHS 1132(101F0).

This unit of study has three modules. The first provides students with a general theoretical framework within which abnormal behaviour has been discussed in Western societies. It aims also to give students a broad introduction to adult and child symptoms and syndromes and a brief overview of a range of treatment approaches which are currently in use. The second module introduces students to a range of behaviour therapy techniques. The student will be able to demonstrate a knowledge of techniques used for behaviour change and their application in clinical settings. The third module extends student's understanding of the application of behaviour change techniques in specific health psychology areas.

BACH 2042 Clients, Work and Organizations

Old code 2521V. 3 credit points

Offered: July. Prerequisite: Introduction to Health Sociology BEHS 1132(101F0).

This unit of study aims to use sociological perspectives to analyse client/practitioner relationships, particularly in the health care context. This course emphasises: sociology of client/practitioner relationships; sociology of work and organisations in health care settings; and legislative and institutional context of care.

BACH 2043 Social and Health Psychology

Old code 2521W. 2 credit points

Offered: July.

This unit of study aims to provide students with a general understanding of the theories and research on interaction with people, of the social position and life experiences of people with illness and disability, and to enhance their communication skills with people. It is divided into three broad strands. The first introduces students to theories and research on interaction between people, particularly at work. A variety of theoretical positions will be described, with the intention of allowing students to more effectively understand and analyse social processes. The second strand builds on the theoretical approach taken in the first strand and provides students with an understanding of the social position and life experiences of people with disabilities. (On the basis of this knowledge students will be able to examine their own attitudes and professional behaviours towards people with disabilities and make changes where necessary to improve the effectiveness of the services they provide. The third strand provides a

psychological context within which the use of therapeutic communication techniques can be appreciated and follows on from theories explored in the first strand. Specific techniques of interpersonal and group communication are explored.

BACH 2102 Research Methods I: Design

Old code 25278. 4 credit points

Offered: February.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as 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 science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

BACH 2113 Psychology of Disability I

Old code 25289/25289X. 4 credit points

Offered: February.

This unit consists of 2 strands. The first strand introduces students to definitions and classifications of disabilities, community attitudes towards disability, causes of negative attitudes and strategies for changing these, adjustment to disability and issues related to living with a disability. Particular emphasis is given to physical disabilities. The second strand examines behaviour disorders and management, and the application of behavioural techniques to a variety of situations. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, anxiety and depression. An overview of the classification of abnormal behaviour precedes a description of the behavioural management of these conditions.

BACH 2114 Psychology of Disability II

Old code 25290/25290X. 4 credit points

Offered: July.

This unit of study consists of 2 strands. The first strand focuses on development disabilities. Topics will include causes and characteristics of developmental disabilities, institutionalisation and normalisation, development through the life span, effects on families and community attitudes. The second strand covers principles of cognitive function and information processing related to neurological disorders and cognitive rehabilitation.

BACH 2115 Research Methods I

Old code 25291/25291X. 3 credit points

Offered: July.

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 3052 Sociology of Health II

Old code 25350. 3 credit points

Offered: July.

This unit of study focuses on sociological aspects of health policy and service delivery. Health care policies will be examined from a number of sociological perspectives and applied to service delivery in a variety of health care settings. State, national

and international policies and perspectives on health care will be included.

BACH 3053 Health Psychology

Old code 25351. 3 credit points

Offered: July.

Students will select three of the following four units: Abnormal Psychology examines theories, classifications and treatment of abnormal behaviour. Psychology of Physical Disability explores community attitudes toward disability (causes, effects, ethnic differences, strategies for change) and the experiences of living with disability (e.g. problems associated with different types of onset, problems of social interaction, sexuality, ageing with a disability). Life Stress examines usage of the term "stress" and models of stress that underlie such usage. Psychophysiological aspects of the stress response are discussed, and the relationships of stress to various illnesses and disorders is considered. Effects of experience and environmental factors on stress are discussed in the context of both minor and major events. Coping strategies are described, and evidence relating these to functioning and well being is evaluated. Pain Perception examines the relationship between extent of injury and amount of pain; acute and chronic pain; gate control theory; measurement of pain; operant pain; effects of behavioural pain treatment programs; personality; activity-level and chronic pain; cancer; rheumatic and RSI pain.

BACH 3059 Research Methods II

Old code 25357/25357X. 2 credit points

Offered: February. **Prerequisite:** Research Methods I BEHS 2097 (102A9).

This unit of study will consist of two components. The first component will cover descriptive statistics including measures of central tendency and variability, frequency distributions, visual representations of data, cross-tabulations and correlation. In the second component students will conduct a literature review and a class research exercise based on their fieldwork experience. Students will prepare a report on the research exercise.

BACH 3060 Sociology of the Aged and Ageing

Old code 25358/25358X. 3 credit points

Offered: July. **Prerequisite:** Introduction to Health Sociology BEHS 1105(101C2).

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.

BACH 3061 Psychology II

Old code 25359/25359X. 4 credit points

Offered: July.

This unit of study consists of two units. The first focuses on the psychology of ageing. The behaviour of older people is examined in the light of psychological theories concerning intellectual, sensory, motor, emotional and social development. Particular attention is given to memory, speed, motivational changes and the consequences of neurological diseases. Common false beliefs about the behaviour of older people are discussed. The importance of social and generational factors in determining individual behaviours is emphasised. The second unit covers topics in social psychology. These topics include behaviour in groups, attitudes and stereotyping, social interaction, conformity and leadership.

BACH 3082 Sociology of the Aged and Ageing

Old code 25380. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: February. **Prerequisite:** Introduction to Health Sociology (101C2) or equivalent.

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 re-

sponse, 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.

BACH 4033 Psychology of Adulthood and Aging

Old code 25432. 2 credit points

Offered: February.

Psychological development in the latter half of the lifespan is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships that occur during this period of life are also traced.

BACH 4034 Social Psychology

Old code 25433. 2 credit points

Offered: February.

Social Psychology studies behaviour in everyday situations. Course content will include theoretical and applied perspectives on topics such as social perception, altruism, interpersonal relationships, attitudes and behaviour, non verbal communication, aggression, violence, conformity and obedience.

BACH 4035 Sociology Elective

Old code 25434. 2 credit points

Offered: February.

Students will be required to choose one sociology elective. Electives may include: Sociology of Ageing; Australia's Immigrant Community; Occupational Health and Rehabilitation; Media and Health; Alternative Medicine; Computer-based Resources; Community and Health Information; International Health.

BIOS 1069 Musculoskeletal Anatomy

Old code 11177. 4 credit points

Offered: Full Year (starts Feb).

This unit of study examines the structure and function of the musculoskeletal system. This unit includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit.

BIOS 1106 Biological Sciences IA

Old code 111B5. 4 credit points

Offered: February.

This unit of study 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 1107 Biological Sciences IB

Old code 111B5X. 4 credit points

Offered: July.

This unit of study 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 1114 Introductory Biomedical Sciences

Old code 111 DO. 3 credit points

Offered: February.

This unit of study will present aspects of basic chemistry, biology, biochemistry, physiology and introductory neuroscience which underlie the normal function of the human body. The specific topics to be considered include mechanisms of homeostasis, general cellular structure and function, introductory chemistry of biologically important molecules, movement of particles between cells and membrane structure. Basic cell metabolism, protein synthesis and cell replication will be outlined. An introduction to genetics will provide the basis for later discussion of genetic disease and genetic counselling. The study of bioelectrically and introductory neuroanatomy and neurophysiology will provide the underpinning to enable students to undertake further study in neurobiology.

BIOS 1115 Body Function in Health and Disease

Old code 111D1. 3 credit points

Offered: July.

This unit of study is designed to give students a foundation understanding of the function of the major organ systems relevant to the health professional. Major components of the course will include: the cardiovascular and respiratory systems; principles of pharmacology, dealing with both the therapeutic benefits and

side effects of commonly used drugs, issues of compliance and adverse reaction; and the body's defence systems and infection control. The focus will be on the healthy body, however, consideration will be given to the implications for the whole body of dysfunction in each body system. Development and the effects of ageing will also be discussed. This unit of study will help students to better understand the important role of the body's systems in the context of the day to day activities.

BIOS 2084 **Biological Sciences IIA**

Old code 112D9. 2 credit points

Offered: February.

The BIOS 2084 and BIOS 2085 units of study are divided into 4 units. The first two will run in Semester 1. Unit 1 will cover pathophysiology and Unit 2 will be an introduction to the principles of cross infection and the operation of the immune system. Units 3 and 4 will run in Semester 2. Unit 3 will examine the biological processes and changes in the human organism over the lifespan and Unit 4 will be an introduction to basic pharmacological principles and actions of the major drug groups.

BIOS 2085 **Biological Sciences IIB**

Old code 112E0. 2 credit points

Offered: July.

The BIOS 2084 and BIOS 2085 units of study are divided into 4 units. The first two will run in Semester 1. Unit 1 will cover pathophysiology and Unit 2 will be an introduction to the principles of cross infection and the operation of the immune system. Units 3 and 4 will run in Semester 2. Unit 3 will examine the biological processes and changes in the human organism over the lifespan and Unit 4 will be an introduction to basic pharmacological principles and actions of the major drug groups.

BIOS 2091 **Neurobiology I**

Old code 112E8. 5 credit points

Offered: February.

These units of study are designed to provide graduates with essential knowledge and skills underpinning Occupational Therapy practice. The subjects offered within the framework will have sufficient flexibility to meet the specialist needs of practitioners working in a neurological setting as well as the more general needs of those working in other settings. The individual topics will be presented in a basic format that facilitates extension through electives offered by the school and department.

BIOS 2092 **Neurobiology II**

Old code 112E8. 3 credit points

Offered: July.

These units of study are designed to provide graduates with essential knowledge and skills underpinning Occupational Therapy practice. The subjects offered within the framework will have sufficient flexibility to meet the specialist needs of practitioners working in a neurological setting as well as the more general needs of those working in other settings. The individual topics will be presented in a basic format that facilitates extension through electives offered by the school and department.

BIOS 3027 **Body Systems II**

Old code 11382. 5 credit points

Offered: July.

Covers the anatomy and physiology of the respiratory, renal, digestive and reproductive systems. This will include consideration of the physics of respiration and the chemistry of acid-base balance. In addition, there is also an introduction to endocrinology, microbiology, immunology and pharmacology.

BIOS 3042 **Biological Sciences MIA**

Old code 11397. 2 credit points

Offered: February.

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 NIB**

Old code 11398. 2 credit points

Offered: July.

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.

EXSS 2015 **Kinesiology for Occupational Therapy**

Old code 22215. 3 credit points

Offered: July.

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.

EXSS 4001 **Applied Physiology**

Old code 22401. 4 credit points

Offered: February.

This unit of study 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, e.g. the aged, disabled.

OCCP1035 **Human Occupations IA**

Old code 15136. 2 credit points

Offered: February.

The unit of study introduces students to the concept of purposeful occupation in areas of self-maintenance, productivity, leisure and rest. 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.

OCCP 1036 **Human Occupations IB**

Old code 15137. 3 credit points

Offered: July.

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 1037 **Components of Occupational Performance IA**

Old code 15138. 4 credit points

Offered: February.

This unit of study introduces students to the components which underpin the performance of human occupations. Biomechanical, intrapersonal, interpersonal, cognitive and sensorimotor components are defined and their relationship to human performance of occupations explored. Principles of intrapersonal and interpersonal practice focusing on social interaction and helping skills which underpin person to person occupational therapy assessment and intervention in all areas of practice will be established.

OCCP 1038 **Components of Occupational Performance IB**

Old code 15139. 4 credit points

Offered: July.

The biomechanical performance component is examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of biomechanical performance are

established in order to restore, maintain and enhance human occupational performance. Principles of learning and systematic instruction which underpin occupational therapy assessment and intervention in all areas of practice will be established.

OCCP 1053 Australian Healthcare Services

Old code 15154/15154X. 4 credit points

Offered: February.

This unit of study provides students with an overview of the function and structure of the healthcare system in Australia. Topics studied include: healthcare issues at Commonwealth, State and Local government levels; structures and roles of key service groups; funding arrangements; current trends in the provision of healthcare services; healthcare insurance; and healthcare facilities.

OCCP 1054 Leisure in Australia

Old code 15155/15155X. 4 credit points

Offered: February.

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.

OCCP 1055 Introduction to Leisure and Health

Old code 15156/15156X. 4 credit points

Offered: February.

This unit of study introduces students to models of practice within leisure service provision. Students will gain the knowledge and skills required to carry out individual assessment, to develop personalised leisure plans and to develop appropriate documentation. This will include client assessment, activity analysis, and activity modification. Application of differing models of practice are then applied to specific client groups with cardiovascular, sensory and low energy disorders.

OCCP 1056 Management and Leadership

Old code 15157/15157X. 4 credit points

Offered: July.

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 subject.

OCCP 1057 Creative Arts in Recreation

Old code 15158/15158X. 4 credit points

Offered: July.

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 which are taught to their peers as a large group. Issues of participation for individuals within specific groups are a focus of this subject.

OCCP 1058 Programming for Children and Adolescents

Old code 15159/15159X. 4 credit points

Offered: July.

This unit of study is designed to provide a knowledge of the leisure needs of children and adolescents so as to inform the design, development, implementation, and evaluation of recreation programs. Adaptation of programs for young children with

special needs is examined and the benefits derived from professionals and families working cooperatively are explored. Observational and child study techniques will be used in designing programs for children. Issues specifically related to adolescence and the varying needs of adolescents in a range of socio-cultural contexts will be studied.

OCCP 1059 Professional Practice I: Communication Skills

Old code 15160/15160X. 3 credit points

Offered: February.

This unit of study has two components: workshop session (16 hours) and a professional practice placement (35 hours). Workshop sessions are designed to enhance students' interpersonal communication skills and to develop their understanding of what is involved in working as a leisure professional. Areas of interpersonal communication will include verbal and non-verbal communication, active listening, presentation skills and assertiveness training. Students will explore the conceptual basis for working in the area of leisure and health and consider aspects such as role and responsibilities, areas of employment, and professional expectations. The one week intersemester professional practice placement will enable students to link theoretical knowledge with workplace skills.

OCCP 1060 Occupational Therapy Theory and Process IA

Old code 15161. 3 credit points

Offered: February.

This unit of study aims to introduce students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. These concepts and philosophies will be explored from perspectives of occupational therapists, and from perspectives of consumers and community members.

OCCP 1061 Occupational Therapy Theory and Process IB

Old code 15162. 2 credit points

Offered: July.

This unit of study aims to explore foundations underlying current and future directions of occupational therapy practice from different theoretical perspectives as reflected in models of occupational therapy practice. Students will critically review models of occupational therapy practice and their influence on the problem solving process in occupational therapy practice.

OCCP 1062 Occupations and Roles Across the Lifespan IA

Old code 15163. 2 credit points

Offered: February.

This unit of study introduces the student to lifespan development concepts and to occupational and role development. It also focuses on the development of occupations and roles in infancy and childhood. Development of skills and abilities necessary for performance of occupations during infancy and childhood will be examined from various theoretical perspectives. Factors influencing occupational development during this stage in the lifespan will be discussed.

OCCP 1063 Occupations and Roles Across the Lifespan IB

Old code 15164. 2 credit points

Offered: July.

This unit of study focusses on the development of occupations and roles during adolescence and young adulthood. The interaction between the developmental changes and issues related to these lifespan stages and the development of occupations and roles are examined from various theoretical perspectives.

OCCP 1064 Professional Practice I

Old code 15165. 4 credit points

Offered: Full Year (starts Feb).

This unit of study provides students with: opportunities to interact with clients and relevant others; to demonstrate professional behaviour; to integrate and apply theory and skills gained in semester I in professional practice and other units; and to promote

their awareness of the range and scope of occupational therapy services and the roles of team members.

OCCP 2041 Human Occupations IIA

Old code 15297. 3 credit points

Offered: February.

This unit of study will focus on 2 areas, occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP 2042 Human Occupations IIB

Old code 15298. 3 credit points

Offered: July.

The focus of this unit of study is on Play and School Occupations in infancy and school age children. Students will be given opportunity to analyse these occupational areas and to develop skills in the selection of occupational therapy intervention strategies to improve a child's occupational performance in play and at school.

OCCP 2043 Components of Occupational Performance IIA

Old code 15299. 3 credit points

Offered: February.

Sensorimotor component performance is 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 sensorimotor performance are established in order to restore, maintain and enhance human occupational performance.

OCCP 2044 Components of Occupational Performance IIB

Old code 152A1. 3 credit points

Offered: July.

This unit of study examines firstly the interpersonal and intra-personal practice in the mental health area in order to restore, maintain and enhance human occupational performance. Secondly, principles of intra-personal and inter-personal practice which underpin occupational therapy assessment and intervention in groupwork practice will be established.

OCCP 2045 Occupational Therapy Theory and Process IIA

Old code 152A2. 3 credit points

Offered: February.

This unit of study aims to expand student's understanding of occupational therapy theory and process through the exploration of the reasoning and decision-making processes used by therapists. The application and use of different theories to guide reasoning will be explored through the use of case studies and problem-based learning. Included in the study of decision-making in therapy will be an exploration of assessment and its place in the occupational therapy process.

OCCP 2046 Occupational Therapy Theory and Process IIB

Old code 152A3. 2 credit points

Offered: July.

This unit of study aims to explore the impact of the use of different theoretical models and approaches to delivery of services in different contexts. Consideration will be given to current and future practice contexts, and the consequences of theoretical and practice issues for service delivery.

OCCP 2053 Contemporary Issues in Health Care

Old code 152B1. 3 credit points

Offered: July.

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 health-care 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

Old code 152B6. 3 credit points

Offered: February.

This unit of study aims to broaden student's understanding of the behaviour of individuals within the social contexts of leisure and play. Students will examine and discuss various theories and the interpretation, application and relevance of the theories to the professional arena of leisure and health. Content areas examine elemental themes such as the relativity of freedom and intrinsic motivation. Consistent themes throughout the unit 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 which impact on leisure and health service delivery.

OCCP 2059 Learning Processes and Leisure Education

Old code 152B7. 3 credit points

Offered: February.

This unit of study explores the concepts of teaching and learning, examines the significance of motivation, feedback and reinforcement in the learning process, and considers ways this knowledge can be applied to recreation and leisure programs. Students will be introduced to task analysis, planning and organising teaching sequences, and experiential learning approaches to learning and will be given the opportunity to practice specific teaching skills in simulated teaching - learning environment. Practical skills related to leisure education will be developed in this unit and students will explore a number of approaches available to assess clients' leisure needs and choices.

OCCP 2060 Diversional Therapy and the Ageing Population

Old code 152B8. 3 credit points

Offered: February.

This unit of study provides students with opportunities to develop insights into the life experiences of older people. Students will acquire the knowledge and skills necessary to work with people who are older and develop an understanding of current legislation and policy as it applies to aged care services. Students consider issues which may affect an older person's participation in personalised leisure programs.

OCCP 2061 Client Groups I

Old code 152B9. 4 credit points

Offered: July.

This unit of study will provide students with an understanding of the medical and social conditions affecting people with psychiatric and neurological disorders. Issues relevant to clinical and community contexts will be explored along with issues such as motivation and the creation of therapeutic environments which affect participation in leisure and recreation. Current legislation and policy also will be studied.

OCCP 2062 Program Design and Evaluation

Old code 152C0. 4 credit points

Offered: July.

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 2063 Professional Practice II: Skill Development

Old code 152C1. 10 credit points
Offered: Full Year (starts Feb).

Semester 1, 6 credit points. Semester 2, 4 credit points.

This unit of study has three components: workshop sessions (31 hours); a three week intersemester placement (105 hours); and a weekend camp (35 hours). Workshop sessions are designed to link skills that students have learnt in the university context with the requirements of workplace practice (eg, lifting and transferring, first aid, sighted guiding). During their two placements, students will be encouraged to develop and implement recreation programs, evaluate programs and administrative procedures, and link academic study to professional practice.

OCCP 2071 Professional Practice II

Old code 152C2. 5 credit points
Offered: Full Year (starts Feb). **Prerequisite:** Professional Practice I OCCP 1064 (15165).

This unit of study provides students with opportunities to: demonstrate professional behaviour; integrate and apply theory and skills learned in the previous three semesters in professional practice and other units in the course, to occupational therapy practice with guidance/supervision from one or more fieldwork educators. Students will be required to consolidate and expand on previous knowledge and skills.

OCCP 2072 Occupations and Roles Across the Lifespan II

Old code 152C3. 2 credit points
Offered: February.

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.

OCCP 3029 Honours Research Seminar I

Old code 15378. 3 credit points
Offered: July.

This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and ethics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 3030 Human Occupations III

Old code 15379. 2 credit points
Offered: July.

Leisure as an area of occupational performance is examined in this unit of study. The focus is on individual use and development of satisfying leisure time. Students will be given the opportunity to explore the importance of leisure occupations through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP 3031 Components of Occupational Performance III

Old code 15380. 4 credit points
Offered: July.

This unit of study focuses on two component areas of occupational performance. First, the psychosocial performance component is 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 psychosocial performance are established in order to restore, maintain and enhance human occupational performance. Second, cognitive component performance is examined in order to identify and intervene when human performance deficits exist in this

area to further restore, maintain and enhance human occupational performance.

OCCP 3032 Occupational Therapy Theory and Practice III

Old code 15381. 3 credit points
Offered: July.

This unit of study aims to link occupational therapy theory to specific practice issues through the application of clinical reasoning and decision making processes. Clinical judgements made in consequence of the clinical reasoning process will be explored from documentation, legal, ethical and quality assurance perspectives.

OCCP 3041 Fieldwork Education IMA

Old code 15390. 14 credit points
Offered: February.

This unit of study has two, one hour briefing sessions to facilitate students' seven week block placement in a professional setting. It provides them with the opportunity to apply theory and skills learned in the School of Occupational Therapy to the whole process of occupational therapy practice - assessing, planning, implementing, evaluating, reporting, recording and modifying intervention - for clients, while under supervision of the fieldwork supervisor. Total number of fieldwork hours is 264 hours.

OCCP 3042 Fieldwork Education IMB

Old code 15391. 14 credit points
Offered: Full Year (starts Feb).

Semester 1: 10 credit points. Semester 2: 4 credit points.

This unit of study has two, one hour debriefing sessions after students' seven week block placement in a professional setting of a different nature to that in Fieldwork Education IIIA (15390). It provides them with the opportunity to apply theory and skills learned in the School of Occupational Therapy to the whole process of occupational therapy practice - assessing, planning, implementing, evaluating, reporting, recording and modifying intervention - for clients, while under supervision of the fieldwork supervisor. Total number of fieldwork hours is 264 hours.

OCCP 3050 Professional Communication and Guidance

Old code 15393. 3 credit points
Offered: February.

This unit is designed to enable students to develop the knowledge, skills and attitudes needed to establish therapeutic helping relationships with clients. Students will complete an independent applied skills assignment during their professional practice placement. They will learn to assess client's needs and how to best meet these needs through the selection of appropriate strategies. The different helping skills models studied will allow students to develop flexible ways of relating to clients in a variety of context.

OCCP 3051 Outdoor Recreation and Education

Old code 15394. 3 credit points
Offered: July.

The focus in this unit will be on experiential learning as students become actively engaged in planning and programming outdoor events for specific groups. Risk management will form an integral part of this process as will the methods and skills of debriefing.

OCCP 3052 Research Project in Leisure and Health

Old code 15395. 4 credit points
Offered: July.

This unit of study allows students to research and investigate an area which is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical review of the literature and the writing of a research paper which demonstrates an indepth investigation and integration of information from a variety of sources.

OCCP 3053 Client Groups II

Old code 15396. 3 credit points

Offered: July.

This unit of study will provide students with the opportunity to continue to develop and integrate expertise in supporting people participating in leisure programs who experience a developmental disability, a psychiatric disorder, or who require palliative care. Current legislation and policy related to these client groups will be examined. Issues relevant to clinical and community environments will be explored along with issues which affect participation in leisure and recreation.

OCCP 3054 Professional Practice III: Mastery and Research

Old code 15398X. 22 credit points

Offered: Full Year (starts Feb).

Semester 1: 17 credit points. Semester 2: 5 credit points.

Students will have the opportunity to consolidate their learning through either a nine week placement at one centre during Semester 1 or two shorter placement at two different centres (eg. 5 weeks + 4 weeks). During their placement/s, students will integrate academic study with practical experience. This extended placement (315 hours), in conjunction with class review sessions (4 hours), will enable students to implement workplace-based research projects, to further develop their professional identity, and gain mastery of skills needed in the workplace.

OCCP 3056 Professional Practice III

Old code 153A1. 25 credit points

Offered: Full Year (starts Feb).

Semester 1: 24 credit points. Semester 2: 1 credit point.

This unit of study has two, one hour briefing sessions to facilitate students' seven week block placement in a professional setting. It provides them with the opportunity to apply theory and skills learned in the School of Occupational Therapy to the whole process of occupational therapy practice - assessing, planning, implementing, evaluating, reporting, recording and modifying intervention - for clients, while under supervision of the fieldwork supervisor. Total number of fieldwork hours is 264 hours.

OCCP 4019 Honours Research Seminar II

Old code 15442. 4 credit points

Offered: Full Year (starts Feb).

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 4023 Honours Thesis

Old code 15445. 22 credit points

Offered: Full Year (starts Feb).

Semester 1: 10 credit points. Semester 2: 12 credit points.

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 4026 Human Occupations IV

Old code 15460. 4 credit points

Offered: February.

This unit of study examines the area of Productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to

improve human performance in the area of productivity will be outlined.

Elective topics at an advanced level of study in the area of human occupations will also be offered.

OCCP 4027 Components of Occupational Performance IV

Old code 15461. 4 credit points

Offered: February.

Advanced studies in specific areas of component performance will be undertaken in order for students to identify and critique occupational therapy analysis and intervention. Electives may be offered in specific areas of biomechanical, sensorimotor, cognitive and psychosocial performance as they underpin human occupational performance. Students will be given an opportunity to choose from several advanced inquiry units.

OCCP 4029 Evaluation of Occupational Therapy Programs

Old code 15463. 3 credit points

Offered: Full Year (starts Feb).

Semester 1: 1 credit point. Semester 2: 2 credit points.

This unit of study gives students the opportunity to utilise beginning research skills and apply them to Program Evaluation in a clinical context.

Students identify an evaluation issue based on Fieldwork Education Unit IV, research the literature relative to the evaluation issue and prepare an evaluation proposal. The proposal is documented in a written report.

OCCP 4030 Fieldwork Education IV

Old code 15464. 22 credit points

Offered: Full Year (starts Feb).

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

This unit of study has one 10 week block placement in a professional setting plus briefings and debriefings Semester I and II respectively 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. Students use the final two weeks of the placement to gather necessary information for formulating a proposal for the unit of study Evaluation of Occupational Therapy Programs. Total number of fieldwork hours is 379 hours.

OCCP 4040 Human Occupations IV (Hons)

Old code 154A5. 2 credit points

Offered: February.

This unit of study examines the area of Productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

OCCP 4041 Occupational Therapy Theory and Process IVA

Old code 154A6. 3 credit points

Offered: Full Year (starts Feb).

Semester 1: 1 credit point. Semester 2: 2 credit points.

Students will develop professional skills in oral and written presentation. Specifically, in Semester 1, students will prepare and run a workshop on a skill related to community occupational therapy practice. Students will develop a teaching manual for their workshop. In Semester 2, students will design and present a poster on a topic of current debate or concern to occupational therapists and the occupational therapy profession.

OCCP 4042 Occupational Therapy Theory & Process IVB

Old code 154A7. 2 credit points

Offered: February.

Students will have an opportunity to select one elective from a range of topic areas which may include Fieldwork Supervision, Culture, Management and Information of Technology, and Using Educational principles in Occupational Therapy.

OCCP4043 Honours Thesis

Old code 154A8. 41 credit points

Offered: Full Year (starts Feb).

Semester 1: 19 credit points. Semester 2: 22 credit points.

This unit of study provides Honours students with the opportunity to undertake a supervised research project in the area of Leisure and Health. As part of this and the other Honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

OCCP 4044 Fieldwork Education IV

Old code 154A9. 22 credit points

Offered: Full Year (starts Feb).

Semester 1: 6 credit points. Semester 2: 16 credit points.

This unit of study has one 10 week block placement in a professional setting plus briefings and debriefings Semester 1 and 2 respectively 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. Students use the final two weeks of the placement to gather necessary information for formulating a proposal for the unit of study Evaluation of Occupational Therapy Programs. Total number of fieldwork hours is 379 hours.

School of Physiotherapy

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, schools, private practices, community and workplace settings. The physiotherapy profession is committed to continued research into its fundamental concepts and activities and the evaluation of physiotherapy services to ensure the optimum quality of care for the community it serves. The profession is also committed to effective communication with members of the health team, the community at large and the continuing education of its graduates. Staff and students of the School are actively involved in a number of research projects. These range over several areas including the investigation of human motor performance, musculoskeletal, neurological and cardiopulmonary physiotherapy, occupational health and clinical reasoning.

As one of the foundation schools of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences) at the College's inception in 1975, the School of Physiotherapy has played an important role in the development of the Faculty and its academic programs. Prior to 1975, there was a physiotherapy program conducted through the Australian Physiotherapy Association in New South Wales which had been offered since its inception in 1907.

One of the major goals of the School is to graduate competent beginning practitioners of physiotherapy. To this end, the School's Undergraduate Studies Committee has reviewed the undergraduate program in relation to each of the Physiotherapy Competencies recently formulated by the physiotherapy profession in Australia. This Committee has ensured that each of these competencies is addressed in the curriculum. Reference to specific competencies is made in statements of unit aims and objectives - eg, in student manuals.

The School has a strong commitment to achieving quality in all areas of endeavour. To achieve this goal the School has utilised findings from evaluation of our academic programs and research projects to refine the program offered. This evaluation has involved seeking and receiving critical appraisal from various sources including student, teacher and external evaluation, from external advisory committees and members of the physiotherapy profession, from national and international colleagues and from members of this and other faculties of the University.

In common with other departments at the University of Sydney, the School of Physiotherapy promotes students' development of generic as well as discipline-specific knowledge and skills. Generic skills, for example communication and team work skills, are necessary attributes of all graduates of higher education in this age of change. In fostering these skills the School is preparing its graduates to work in many different settings to promote health and facilitate rehabilitation. Work venues include generalist and specialist settings in city and rural regions, and in institutional, school, industrial and community contexts.

The School of Physiotherapy offers two undergraduate programs (pass and honours bachelor degrees). The honours program is available to students completing their second year of the undergraduate program who have met the eligibility criteria and quota for admission to the Honours Program. Nine graduate programs are conducted by the School. These include research programs at masters and doctoral levels and coursework programs in manipulative physiotherapy, sports

physiotherapy, and a combined program which addresses a number of other professional sub-disciplines.

Enquiries regarding academic programs should be directed to the following:

Academic Program Administrator: Ayanthi Salgado or Louise Ferris, (02) 9351 9378; the Undergraduate Programs Coordinator: Dr Chris Maher, (02) 9351 9192; the Honours Program Coordinator: Dr Elizabeth Ellis, (02) 9351 9470.

Bachelor of Applied Science (Physiotherapy)

The current undergraduate programs are four year full-time programs. These lead to a Bachelor of Applied Science (Physiotherapy) (Pass) degree and a Bachelor of Applied Science (Physiotherapy) (Honours) degree and aim to equip students with the appropriate knowledge, skills and attitudes to work effectively as members of the physiotherapy profession. Graduates of these full-time programs are eligible for registration as Physiotherapists with the NSW Physiotherapists Registration Board.

Admission requirements

There are no formal prerequisites for HSC candidates to the Bachelor of Applied Science (Physiotherapy) program. As most students will be interacting with computers during their program, experience in the use of computers would be an advantage. Assumed knowledge includes 2u Mathematics, plus either of 2u Physics and 2u Chemistry or 3/4 unit Science 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 in Chapter 3 and the section on Bridging Courses in Chapter 3. Applicants who are not sitting the current NSW HSC examination may be required to demonstrate other entry criteria (eg, exceptional performance in a recognised undergraduate degree program in which they are currently enrolled or completion of a degree) and may be asked to complete a questionnaire specified by the School. Data derived from such questionnaires will be used in the selection process. 'Recognised Degree Holder' Enrolment Information Sheets which outline this procedure can be obtained from the School.

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) are presented in Tables 13.1 and 13.2.

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 course with a credit or higher average without any failed grades. An Honours degree is awarded after satisfactory completion of all coursework and a thesis during the third and fourth years of the course. Honours students are required to maintain a credit average in the third year. Students are required to complete all units within the Honours program within two years of their initial enrolment in that program! 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 13.1 for the course outline.

For further information specific to the Physiotherapy Honours Program, students are advised to contact the School's Honours Program Coordinator, Dr Sharon Kilbreath, phone (02)9351 9272.

In order for honours students to have adequate time to pursue their research studies a number of modifications have been made to the pass program for these students. Modifications include: unit exemptions and additions (as outlined below), variation in clinical education units' timing and hours and timetabling flexibility (as outlined below).

Exemptions

Students in the Honours program complete all year 3 and year 4 Units in the Pass program, except Evidence-Based Practice (164H9) from which they are exempt.

Clinical education

In year 4 Honours students complete three clinical education units which are similar in content and goals to the pass program units. However, the first two units vary in hours from the parallel pass units. That is honours students complete PHTY 4080 Clinical Education IIIHA instead of PHTY 4079 Clinical Education IIIA and complete PHTY 4081 Clinical Education IIIHB instead of PHTY 4059 Clinical Education IIIB. They also complete PHTY 4060 Clinical Education IIIC along with the pass students. Honours students should note that due to these concessions their total clinical hours are 1000 which is the minimum number of hours required for course completion. Therefore, they are normally required to make up any absences from clinical placements.

Semester 7 timetabling flexibility

In semester 7, year 4 students are permitted (with support of their supervisors) to spread their coursework over weeks 4-13 or to concentrate their coursework studies in weeks 4-8 (with Group B of the Pass Students) or in weeks 9-13 (with Group A of the Pass Students) to allow for flexibility in accommodating the needs of different students' honours projects (eg, in terms of data collection). Notification of the preferred option is required before the end of Week 3 of Year 4.

Additional units

Honours students complete the following extra units: BEHS 3044 Research Statistics, PHTY 3042 Research for Physiotherapists, PHTY 4042 Honours Thesis and PHTY 4053 Honours Research Seminar.

Table 13.1: Bachelor of Applied Science (Physiotherapy)

Course code	Mode of offer			
1622	Pass course; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 4 (last offered in 2000)</i>				
BACH4041	(25440)	Health Psychology	2	-
BACH4031	(25430)	Health, Medicine and Society	2	-
PHTY4068	(164H9)	Evidence-Based Practice	1	3
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV	-	2
PHTY4048	(164C9)	Topics in Physiotherapy IV	-	3
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III	1	1
PHTY4016	(16444)	Physiotherapy in Neurology III	1	2
PHTY4079	(16410)	Clinical Education IIIA	9	-
PHTY4059	(164F8)	Clinical Education IIIB	8	-
PHTY4060	(164F9)	Clinical Education IIIC	-	13
Stage total (48 credit points for Year 4)			24	24

Table 13.2: Bachelor of Applied Science (Physiotherapy) - Honours

Course code	Mode of offer			
1642	Honours program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 4 (last offered in 2000)</i>				
BACH4041	(25440)	Health Psychology	2	-
BACH4031	(25430)	Health, Medicine and Society	2	-
PHTY4080	(16411)	Clinical Education IIIHA	8	-
PHTY4081	(16412)	Clinical Education IIIHB	7	-
PHTY4053	(164F2)	Honours Research Seminar	2	1
PHTY4042	(16499)	Honours Thesis	4	5
PHTY4060	(164F9)	Clinical Education IIIC	-	13
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV	-	2
PHTY4048	(164C9)	Topics in Physiotherapy IV	-	3
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III	1	1
PHTY4016	(16444)	Physiotherapy in Neurology III	1	2
Stage total (54 credit points for Year 4)			27	27

Table 13.3: Bachelor of Applied Science (Physiotherapy)

Course code	Mode of offer			
1652	Pass Course; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
BACH1084	(25167)	Psychology of Motor Behaviour	-	2
BACH1101	(25184)	Research Methods I: Design	3	-
BACH1116	(25199)	Introductory Psychology	3	-
BIOS1054	(11158)	Introductory Human Biology	4	-
BIOS1055	(11161)	Body Systems I	-	4
BIOS1064	(11172)	Functional Anatomy A	5	-
BIOS1065	(11173)	Functional Anatomy B	-	5
BIOS1082	(11191)	Introductory Neurobiology	3	-
BIOS1083	(11192)	Neurobiology I	-	2
PHTY1013	(16113)	Electrophysical Agents I	-	4
PHTY1015	(16115)	Kinesiology I	3	3
PHTY1016	(16116)	Musculoskeletal Physiotherapy 1	-	4
PHTY1018	(16118)	Introduction to Physiotherapy Practice	3	-
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
BACH2026	(252 IF)	Research Methods II: Data Analysis	-	3
BACH2027	(2521G)	Introduction to Health Sociology	-	2
BACH2028	(2521H)	Social and Health Psychology	-	2
BIOS2037	(11286)	Body Systems II	-	1
BIOS2038	(11287)	Neurobiology II	6	-
EXSS2008	(22208)	Biomechanics	4	-
PHTY2020	(16224)	Cardiopulmonary Physiotherapy I	3	1
PHTY2027	(16231)	Electrophysical Agents II	4	-
PHTY2031	(16235)	Musculoskeletal Physiotherapy II	7	1
PHTY2032	(16236)	Ethical Physiotherapy Practice	-	1
PHTY2033	(16237)	Clinical Education I	-	7
PHTY2034	(16238)	Clinical Education II (Community Fieldwork)	-	6
Stage total (48 credit points for Year 2)			24	24
<i>Year 3 (first offered in 2000)</i>				
BACH3072	(25370)	Sociology of Clients, Practitioners and Organisations	2	-
BIOS3019	(11374)	Body Systems III	2	-
EXSS3009	(22309)	Applied Physiology	2	3
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II	2	-
PHTY3036	(16337)	Musculoskeletal Physiotherapy III	6	1
PHTY3037	(16338)	Neurological Physiotherapy I	5	1
PHTY3038	(16339)	Paediatrics	3	2
PHTY3039	(16340)	Community and Occupational Physiotherapy	2	2
PHTY3040	(16341)	Exercise and Health	-	2
PHTY3041	(16342)	Clinical Education III	-	13
Stage total (48 credit points for Year 3)			24	24
<i>Year 4 (to be first offered in 2001)</i>				
BACH4051	(25450)	Psychopathology and Behaviour Change	2	-
BACH4049	(25448)	Policy and Service Delivery	1	-
PHTY4066	(164G7)	Clinical Education IVA	9	-
PHTY4067	(164G8)	Clinical Education IVB	9	-
PHTY4068	(164G9)	Evidence-Based Practice	1	2
PHTY4069	(164H0)	Complex Cases	1	1
PHTY4070	(164H1)	Elective	1	1
PHTY4071	(164H2)	Advanced Manipulation Skills	-	1
PHTY4072	(164H3)	Neurological Physiotherapy II	-	1
PHTY4073	(164H4)	Clinical Education IVC	-	9
PHTY4074	(164H5)	Clinical Education IVD	-	9
Stage total (48 credit points for Year 4)			24	24

Table 13.4: Bachelor of Applied Science (Physiotherapy) - Honours

Course code	Mode of offer			
1653	Honours program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Years 1 and 2				
As per Pass program (Table 13.3)				
Year 3 (first offered in 2000)				
BACH3043	(25341)	Research Statistics	-	2
BACH3072	(25370)	Sociology of Clients, Practitioners and Organisations	2	-
BIOS3019	(11374)	Body Systems III	2	-
EXSS3009	(22309)	Applied Physiology	2	3
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II	2	-
PHTY3036	(16337)	Musculoskeletal Physiotherapy III	6	1
PHTY3037	(16338)	Neurological Physiotherapy I	5	1
PHTY3038	(16339)	Paediatrics	3	2
PHTY3039	(16340)	Physiotherapy Practice III	2	2
PHTY3040	(16341)	Exercise and Health	-	2
PHTY3041	(16342)	Clinical Education III	-	13
PHTY3042	(16343)	Research for Physiotherapists	3	1
Stage total (54 credit points for Year 3)			27	27
Year 4 (to be first offered in 2001)				
BACH4051	(25450)	Psychopathology and Behaviour Change	2	-
BACH4049	(25448)	Health Policy and Service Delivery	1	-
PHTY4069	(164H0)	Complex Cases	1	1
PHTY4071	(164H2)	Advanced Manipulation Skills	-	1
PHTY4072	(164H3)	Neurological Physiotherapy II	-	1
PHTY4073	(164H4)	Clinical Education IVC	-	9
PHTY4074	(164H5)	Clinical Education IVD	-	9
PHTY4075	(164H6)	Clinical Education IIIHA	9	-
PHTY4076	(164H7)	Clinical Education IIIHB	9	-
PHTY4077	(164H8)	Honours Research Seminar	3	2
PHTY4083	(16414)	Honours Thesis	5	7
Stage total (60 credit points for Year 4)			30	30

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 the chance to integrate academic units and practical skills in a clinical setting thereby gaining experience in physiotherapy practice.

During the undergraduate program students are balloted, via preference choice, to a Clinical School. Clinical Schools are geographically aligned as much as possible to area health regions. 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.

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 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.

Since students in the health care professions are usually considered to be in the 'high risk category' for contacting infections, it is strongly recommended that they familiarise themselves with the detailed information contained in the booklet *Infectious Diseases and You*. This is published by the Faculty and is available from Student Administration (Cumberland).

Students are encouraged to be vaccinated for diseases such as Hepatitis A & B, Rubella and Tuberculosis prior to commencing clinical work. Information regarding vaccination is also placed on the Physiotherapy student noticeboards.

A specific number of clinical hours is required to ensure adequate clinical practice. Time missed from clinical placements must normally be made up, at the discretion of the Head of School. There is no set number of days which can be missed. This is quite a separate issue from the achievements of the clinical objectives which are assessed on each clinical. The make up of time is necessary since there is a requirement for registration as a physiotherapist that a certain amount of clinical practice be completed during the program.

The make up time is completed in weeks between semester 2 Exams and Christmas, and students are advised to take this into consideration before arranging holidays. Students in year 4 may be required to complete makeup time during the intersemester break.

Clinical practice dates

Year 2 Pass and Honours program

Inter-semester Break: 10 July - 4 August. Fieldwork placement to be undertaken between 28 August 2000 and 17 March 2001.

Year 3 Pass and Honours program

7 August - 8 September

Year 4 Pass program only

Pre-semester 1: Groups A & B 14 February - 17 March

Semester 1: Group A 20 March - 21 April.

Group B 1 May - 2 June

Semester 2: Groups A & B 9 October - 10 November

Year 4 Honours program only

Pre-semester 1 and Semester 1: 17 January - 11 February, 14 February - 17 March.

Semester 2: 9 October - 10 November.

Note: Time missed from clinical placements must be made up at the discretion of the Head of School.

Uniforms

The uniform required for Physiotherapy students is as set out below.

Female

Navy blue culottes or navy blue tailored trousers (straight legs); White short sleeved blouse or School of Physiotherapy polo shirt with University of Sydney insignia (as supplied by the Student Guild); Black/white work shoes; Natural coloured stockings with culottes; Navy cardigan or jumper.

Male

Navy blue trousers or shorts; White short sleeved, open neck shirt or School of Physiotherapy polo shirt with University of Sydney insignia (as supplied by the Student Guild); Black/white work shoes; White walk socks with shorts; Navy jumper or cardigan.

All students require a University of Sydney Photograph identification tag which can be obtained from the Student Guild.

Any student who does not comply with the above may be sent out of the clinical situation. Arrangements will be made for a representative of the supplier to come to the Student Guild and take uniform orders. Please leave the purchase of your uniforms until this time. Plain navy cardigans and navy pullovers may be purchased at most large department stores.

Units of study

BACH 1084 Psychology of Motor Behaviour

Old code 25167.

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 1101 Research Methods I: Design

Old code 25184. 3 credit points

Offered: February.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as 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 science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

BACH 1116 Introductory Psychology

Old code 25199.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology and health psychology.

BACH 2026 Research Methods II: Data Analysis

Old code 2521F.

This unit builds on 101C5 and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from physiotherapy practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BACH 2027 Introduction to Health Sociology

Old code 2521G.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia. It develops the student's ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 2028 Social and Health Psychology

Old code 2521H.

This subject aims to introduce students to theories and research on interactions between people, particularly at work. Module 1 will present a variety of theoretical positions describing the social processes that influence behaviour in the workplace. Module 2 examines the social position and life experiences of people with chronic illnesses and disabilities. Module 3 introduces stu-

dents to a comprehensive model of professional communication to facilitate the development of personal and interpersonal skills.

BACH 3043 Research Statistics

Old code 25341.

This unit consolidates and extends statistical skills acquired in the previous unit. It provides the foundation for the statistics which may be used in the Honours research project. Topics to be covered include analysis of variance, multiple regression, non-parametric statistics and other selected topics. The unit includes extensive use of computer statistical packages (SPSS for Windows or Minitab for Windows) and use of Internet search engines to locate statistical information relevant to the health sciences. Some students may be required to undertake a course that is more appropriate to their studies' methodology such as BEHS 5138 Survey Research Methods or BEHS 5136 Qualitative Research Methods. If this is the case, they are exempted from Research Statistics.

BACH 3072 Sociology of Clients, Practitioners and Organizations

Old code 25370.

This unit uses sociological perspectives to analyse key interpersonal and organisational aspects of therapy and work in health care settings. The focus will be on client-practitioner relationships and on the legislative and institutional context of work and health care provision.

BACH 4031 Health, Medicine and Society

Old code 25430. 2 credit points

Offered: February.

This unit provides the basis for an understanding of emergent social issues relevant to physiotherapy and the relationship between health, medicine and society. It will cover health care in pre-industrial societies and the Third World, cross-cultural views of health and illness, lay and expert interpretations of health and disease, the rise of Western medicine, professionalism and bureaucratisation, health care organisations, division of labour in health care, alternative practitioners and holistic health, sexuality, the body and health, evaluating health care services and community care.

BACH 4041 Health Psychology

Old code 25440. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Social Interaction, Communication and Personality BEHS 2077 (10288).

This unit looks at behaviours which affect health, illness and recovery and involves areas such as: anxiety and health, mental phobias, obsessions and compulsions, social anxiety, cognitive and behavioural management of anxiety (assertiveness, cognitive restructuring, modelling, desensitisation), pain and injury, acute and chronic pain, behavioural pain management programs, component analysis, paediatric pain, intellectual disability: diagnosis and assessment, specific cognitive impairments, behaviour problems and their management, normalisation and deinstitutionalisation; reaction to onset of illness and disability, attitudes of the able bodied and professionals to disability, strategies for changing negative attitudes, death and bereavement, medical and social aspects of childbirth, problems of particular disability groups, implications for rehabilitation.

BIOS 1054 Introductory Human Biology

Old code 11158.

This unit will present aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division and the principles of homeostasis and blood.

BIOS 1055 Body Systems I

Old code 11161.4 credit points

Offered: July. **Prerequisite:** Introductory Human Biology BIOS 1054 (11158). **Classes:** 56 hours.

This unit will present the gross anatomy, histology and physiology of the cardiovascular, respiratory and digestive systems. In addition, the embryological development of the heart and lungs will be covered. The unit includes laboratory classes at which

human cadavers are studied. Attendance at such classes is required.

BIOS 1064 Functional Anatomy A

Old code 11172. 5 credit points

Offered: February. **Classes:** 62 hours.

This unit will cover the gross anatomical structure of the upper limb and histology of the musculoskeletal system. In addition, fundamental mechanical principles of human movement will be presented. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1065 Functional Anatomy B

Old code 11173. 5 credit points

Offered: July. **Prerequisite:** Functional Anatomy A BIOS 1064 (11172). **Classes:** 54 hours.

This unit will present the gross anatomical structure of the lower limb, trunk, head and neck. In addition embryological development of the musculoskeletal system will be covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1082 Introductory Neurobiology

Old code 11191.3 credit points

Offered: February. **Corequisite:** Introductory Human Biology BIOS 1054 (11158). **Classes:** 31 hours.

This unit introduces the student to the basic structure and function of the nervous system, and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS 1083 Neurobiology I

Old code 11192. 2 credit points

Offered: July. **Prerequisite:** Introductory Neurobiology BIOS 1082 (11191), Introductory Human Biology BIOS 1054 (11158). **Classes:** 31 hours.

This unit introduces students to the anatomy and physiology of the nervous system, with a basic introduction to the structure and role of the somatosensory and motor pathways. A detailed discussion of the somatosensory system is included, along with a full account of spinal reflex mechanisms. The unit also contains an introduction to the autonomic nervous system. This unit of study includes anatomy laboratory classes in which human cadaveric material is examined.

BIOS 2037 Body Systems II

Old code 11286. 1 credit point

Offered: July. **Prerequisite:** Body Systems I BIOS 1055 (11161). **Classes:** 28 hours.

This unit will present the anatomy and physiology of the renal system, the concepts of fluid and electrolyte balance and acid-base balance, the regulation of breathing. In addition, the current concepts on the body's defences and barriers to disease and tissue repair mechanisms will be considered.

BIOS 2038 Neurobiology II

Old code 11287. 6 credit points

Offered: February. **Prerequisite:** Neurobiology I BIOS 1083 (11192). **Classes:** 58 hours.

This unit considers the anatomy and physiology of special sensory systems and the control and integration of somatic motor activity and of autonomic function. The higher functions and adaptive properties of the nervous system are also examined, as well as the physiology of pain and pain relief techniques. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems throughout the unit. The unit includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit.

BIOS 3019 Body Systems III

Old code 11374. 2 credit points

Offered: February. **Prerequisite:** Body Systems II BIOS 2037 (11286). **Classes:** 24 hours.

This unit will present the anatomy and physiology of the endocrine and reproductive systems, general principles of pharmacology, and the pharmacology of relevant body systems.

EXSS 2008 Biomechanics

Old code 22208. 4 credit points

Offered: February. **Classes:** 40 hours.

This unit has three parts. The First part covers the theory of dynamics with particular application to human bodies and follows on directly from the kinematics studied in Functional Anatomy A BIOS 1064 (11172) and Functional Anatomy B BIOS 1065 (11173). The second part deals with the active and passive mechanical behaviour of body tissues while the third part considers specific applications of biomechanics of topics of interest to physiotherapists.

EXSS 3009 Applied Physiology

Old code 22309. 5 credit points

Offered: Full Year (starts Feb). **Corequisite:** Body Systems III BIOS 3019 (11374). **Classes:** Semester 1, 26 hours. Semester 2, 48 hours.

The aim of this unit is to provide students with an understanding of the responses that occur in men and women during exercise. This unit will build upon the principles and information provided in the earlier years of the program and will also attempt to provide students with an understanding of the exercise response in both healthy (eg. marathon runners) and diseased populations (eg. peripheral vascular disease patients). The approach will be integrative, with particular attention given to the regulation of the changes in the cardiovascular, respiratory, endocrine and metabolic systems during exercise.

PHTY 1013 Electrophysical Agents I

Old code 16113.4 credit points

Offered: July. **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11172). **Classes:** 49 hours.

This unit involves the student in the study of the physical bases and physical consequences of various electrophysical modalities. It provides the student with the opportunity to develop basic knowledge and skills in the safe and effective use of a range of modalities for symptom reduction and the enhancement of tissue repair. The topics studied include conductive heating and cooling, ultrasound, pressure therapy, laser, and ultraviolet radiation. Safety issues are emphasised. Also, an emphasis is placed on communication skills development, which is considered an integral part of quality health management. In order to pass this unit a satisfactory standard must be achieved in the practical component.

PHTY 1015 Kinesiology

Old code 16115.6 credit points

Offered: Full Year (starts Feb). **Corequisite:** Functional Anatomy A BIOS 1064(11172), Psychology of Motor Behaviour BACH 1084 (25167). **Classes:** Semester 1, 26 hours. Semester 2, 34 hours.

This unit will provide students with a comprehensive understanding of normal movement. Students will learn to collect and interpret information about normal and abnormal motor function using a wide range of qualitative and quantitative methods. Modules include the observation of everyday tasks (sitting, standing up, standing, walking, reaching and manipulation), and measurement of joint range, muscle strength, and motor skill. Material presented in this unit will be integrated with material presented in Functional Anatomy and Behavioural Sciences.

PHTY 1016 Musculoskeletal Physiotherapy I

Old code 16116. 4 credit points

Offered: July. **Corequisite:** Functional Anatomy B (BIOS 1065). **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11172), Kinesiology PHTY 1015 (16115) (Semester 1). **Classes:** 48 hours.

This unit aims to introduce students to musculoskeletal physiotherapy. Students will study the structure and function of the normal musculoskeletal system and the response of the system to trauma and disease. Principles of medical and physiotherapy management of musculoskeletal disorders will also be covered. Students will learn how to take a history and to perform selected physical examination and management procedures, including patient manual handling skills.

PHTY 1018 Introduction to Physiotherapy Practice

Old code 16118.3 credit points

Offered: February. **Classes:** 36 hours.

This unit comprises two concurrent modules: the Physiotherapy Workplace and Teaching and Learning Skills. The module on the Physiotherapy Workplace is a lecture series, in which students are introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. Coverage includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment, and the principles and process of professional documentation. The Teaching and Learning Skills module is presented in the format of workshops and seminars. With the focus on the future physiotherapy professional, the module aims to foster the development of the student as an ongoing and autonomous learner, and as a future teacher of clients, fellow health professionals and the lay community. There is also an emphasis on the development of skills in writing, in the delivery of oral presentations, in interviewing, and in teamwork and communication. Throughout the semester links are made between the two modules, to assist the student to think and act as a physiotherapist.

PHTY 2020 Cardiopulmonary Physiotherapy I

Old code 16224. 4 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Body Systems I BIOS 1055 (11161). **Classes:** Semester 1, 39 hours. Semester 2, 12 hours.

This unit will introduce students to the knowledge, skills and clinical decision making process necessary for effective assessment and management of patients with respiratory and cardiac dysfunction. In particular, students will evaluate the pathophysiological consequences of abdominal and thoracic surgery, infective and inflammatory conditions and airflow limitations on pulmonary function and impaired cardiac function on the cardiovascular performance. Additionally, students will develop treatment strategies to effectively manage respiratory and cardiac problems identified in adults or children. There will be an emphasis on preventative management and the unit will provide students with an opportunity to apply, integrate and extend knowledge gained in year 1 Biological Sciences, Musculoskeletal Physiotherapy and Kinesiology.

PHTY 2027 Electrophysical Agents II

Old code 16231. 4 credit points

Offered: February. **Prerequisite:** Electrophysical Agents I PHTY 1013 (16113). **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11172), Functional Anatomy B BIOS 1065 (11173), Kinesiology I PHTY 1015 (16115), Musculoskeletal Physiotherapy I PHTY 1016(16116). **Classes:** 47 hours.

This unit continues the study of electrophysical modalities used in clinical practice for symptom reduction and neuromuscular improvement. The topics studied include shortwave diathermy, transcutaneous electrical nerve stimulation, and introduction to the use of surface electromyographic biofeedback units. Safety issues are emphasised throughout this unit. Emphasis is also placed on communication skills development, which is considered an integral part of quality health management. In order to pass this unit, a satisfactory standard must be achieved in the practical components.

PHTY 2031 Musculoskeletal Physiotherapy II

Old code 16235. 8 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Functional Anatomy B BIOS 1065 (11173), Musculoskeletal Physiotherapy I PHTY 1016 (16116). **Classes:** Semester 1, 76 hours. Semester 2, 22 hours.

This unit aims to equip students with the necessary cognitive and practical skills to assess and manage patients with selected problems of the peripheral musculoskeletal system. Areas covered include clinical assessment, clinical decision making, philosophy and guidelines for treatment and clinical measurement for various conditions affecting the foot, ankle, knee, hip, shoulder, elbow and hand regions. Specific therapeutic modalities taught include remedial exercise prescription, manual therapy skills (selected peripheral mobilisation techniques and soft tissue stretching), hydrotherapy, orthotics and prosthetics. Other topics include pain management, peripheral nerve injuries, oste-

oporous and health promotion, sports injuries, pharmacology for physiotherapists and rheumatology.

PHTY 2032 Ethical Physiotherapy Practice

Old code 16236. 1 credit point

Offered: July. Corequisite: Clinical education I PHTY 2033 (16237), or Clinical Education II PHTY 2034 (16238). Classes: 26 hours.

In undertaking this unit of study students will explore the Australian Physiotherapy Association Professional Code of Ethics and the application of this code in clinical decision making. The importance of communication and respect for cultural differences in professional conduct is also addressed. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 1945 and by other health acts and the meaning of professional misconduct and other associated behaviours are also explored in both lecture and tutorial format.

PHTY 2033 Clinical Education I

Old code 16237. 7 credit points

Offered: July. Corequisite: Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Electrophysical Agents II PHTY 2027 (16231). Classes: 140 hours.

The aim of this unit is to provide an opportunity for the student to develop abroad understanding of the provision of physiotherapy services in healthcare settings. Students may be placed in one of many healthcare settings such as public hospitals and community facilities. Communication skills development is an integral part of this subject. In addition, the emphasis of the placement is on safety in patient handling, on aspects of examination, on the analysis of information gained from the examination and on the implementation of a treatment program.

PHTY 2034 Clinical Education II (Community Fieldwork)

Old code 16238. 6 credit points

Offered: July. Corequisite: Ethical Physiotherapy Practice PHTY 2032 (16236). Classes: 105 hours.

This unit of study aims to develop in students a better understanding of the healthcare system and an appreciation of the diversity of healthcare delivery. Community Fieldwork will provide students with an opportunity to create conditions conducive to independent learning. This is consistent with the University of Sydney's Generic Attributes Policy. Students will be able to investigate a particular area of interest, within the community healthcare setting.

PHTY 2029 Cardiopulmonary Physiotherapy II

Old code 16330. 2 credit points

Offered: February. Prerequisite: Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224). Classes: 24 hours.

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.

PHTY 2036 Musculoskeletal Physiotherapy III

Old code 16337. 7 credit points

Offered: Full Year (starts Feb). Prerequisite: Musculoskeletal Physiotherapy II PHTY 2031 (16235). Classes: Semester 1, 6 credit points (70 hours). Semester 2, 1 credit point (16 hours).

This unit aims to develop the cognitive and practical skills needed to manage, at a basic level, patients presenting with selected musculoskeletal disorders of the vertebral column. Students will apply the principles of assessment and management learnt in Musculoskeletal Physiotherapy I and Musculoskeletal Physiotherapy II, to selected musculoskeletal disorders of the vertebral column. As in earlier musculoskeletal physiotherapy units, the emphasis is on evidence-based practice with students exposed to a range of physiotherapy management options for spinal pain, such as; manual therapy and various forms of exercise plus the

medical options for spinal pain. A small module on chronic pain is included in the unit.

PHTY 3037 PHTY 3037 Neurological Physiotherapy I

Old code 16338. 6 credit points

Offered: Full Year (starts Feb). Prerequisite: (or Corequisite) Neurobiology II BIOS 2038 (11287).

Semester 1: 5 credit points (52 hours). Semester 2: 1 credit point (24 hours).

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 movement dysfunction associated with disease and trauma to the nervous system. This unit introduces the impairments and disability arising from brain damage of acute onset using examples such as stroke and brain injury. Impairments such as weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations to these impairments such as the development of contracture will be studied. Students will learn to assess, train and measure outcome of everyday activities such as standing up, balancing in sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed, and swallowing. The contribution of other health professionals to the rehabilitation process is addressed. Analysis of the rehabilitation environment and strategies to increase the amount of practice carried out will be covered. The unit also examines the theoretical basis for clinical intervention encompassing a historical perspective of neurological rehabilitation.

PHTY 3038 Paediatrics

Old code 16339. 5 credit points

Offered: Full Year (starts Feb). Prerequisite: Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Biomechanics (EXSS 2008 (22208)).

Corequisite: Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Classes: Semester 1, 3 credit points (37 hours). Semester 2, 2 credit points (25 hours).

The aim of this unit of study is to give the students the opportunity to consolidate their understanding of the musculoskeletal, cardiopulmonary and neurological systems and be able to apply this knowledge to paediatric physiotherapy. Students will be made aware of the changes which occur from infancy through to adulthood in motor, musculoskeletal and cardiopulmonary development. In addition, students will address issues related to assessment and training strategies in children with dysfunction in motor, musculoskeletal and cardiopulmonary systems.

Content in this unit of study will be presented in an integrated format utilising the principles of problem-based learning. Some relevant resource material will be made available to the students in web-based, CD-ROM and hard copy format, but students will also be required to research topics independently in areas not previously encountered in their program. The unit of study will also provide the opportunity for students to incorporate information which they have gained from other units of study such as Kinesiology, Physiotherapy in Neurology, Musculoskeletal Physiotherapy, Cardiopulmonary Physiotherapy, Physiotherapy Practice, Biomedical and Behavioural Sciences. It is anticipated that this unit of study will contribute to the preparation of students for the subject Evidence-Based Practice PHTY 4068 (16469) in 4th year and the delivery of paediatric services in a range of environments upon graduation. Furthermore, it is anticipated that the student will appreciate the importance of the physiotherapist's role in working closely with patients' families.

PHTY 3039 Community and Occupational Physiotherapy

Old code 16340. 4 credit points

Offered: Full Year (starts Feb). Corequisite: Body Systems III BIOS 3019 (11374), Musculoskeletal Physiotherapy III PHTY 3036 (16337). Classes: Semester 1, 2 credit points (12 hours). Semester 2, 2 credit points (30 hours).

This subject examines three major primary health care issues that are pertinent to physiotherapy practice. These are health promotion, occupational health and gerontology. The principles and practice of health promotion are explored within a community based framework, with a specific reference to the well elder-

ly, and are applied to the role of the physiotherapist's contribution in a number of healthcare areas including, for example: elderly people with disease and/or disability; pregnant women; people with burn injuries, especially children, people with amputations, with HIV/AIDS, diabetes, mental illness and people with urinary incontinence. The theory and practice of infection control are addressed. Other issues that are examined are those that are important in the provision of a professional physiotherapy service, which include marketing and business and quality management.

Semester 1 covers the modules health promotion, ergonomics and occupational health and gerontology. Semester 2 covers the modules special populations, infection control, marketing and business and quality management.

PHTY 3040 Exercise and Health

Old code 16341. 2 credit points

Offered: July. **Prerequisite:** Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Body Systems II BIOS 2037 (11286).

Corequisite: Applied Physiology EXSS 3009 (22309). **Classes:** 24 hours.

This unit further develops student's knowledge of exercise, and aims to apply the principles of exercise testing, prescription and training. These principles will be applied to patients who have cardiac and pulmonary limitations to exercise. There will be further scope to apply the principles of exercise to patient groups with various medical disorders and to the normal population to promote health.

PHTY 3041 Clinical Education II

Old code 16342.13 credit points

Offered: July. **Prerequisite:** Clinical Education I PHTY 2033 (16237), Electrophysical Agents II PHTY 2027 (16231), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. **Corequisite:** Neurological Physiotherapy I PHTY 3037 (16338), Musculoskeletal Physiotherapy III PHTY 3036 (16337). **Classes:** 175 hours.

This unit of study will involve clinical placement in one of the following areas: musculoskeletal, neurology, cardiopulmonary or elective. Students will build on experience gained in Clinical Education I. They will be expected to demonstrate an increased ability in the management of patients (assessment, treatment and evaluation). In addition, professional practices will be emphasised.

PHTY 3042 Research for Physiotherapists

Old code 16343. 4 credit points

Offered: Full Year (starts Feb). **Classes:** Semester 1, 70 hours. Semester 2, 16 hours.

Semester 1: 3 credit points. Semester 2: 1 credit point.

This unit enables students to build on previous knowledge of research methods and to develop skill in applying this to research models for physiotherapists. The unit enables students to evaluate the suitability of assumptions made in physiotherapy related research, to evaluate design strategies used and their appropriateness for the research undertaken and to design and evaluate effective sampling procedures for a particular research project. By the time students have completed the unit they will have prepared a written research proposal.

PHTY 4016 Physiotherapy in Neurology III

Old code 16444. 3 credit points

Offered: Full Year (starts Feb). **Prerequisite:** (except Singapore courses) Physiotherapy in Neurology II PHTY 3019 (16320).

Classes: Semester 1, 1 credit point (15 hours). Semester 2, 2 credit points (24 hours).

This unit continues to examine the theoretical base for clinical intervention encompassing an historical perspective of neurological rehabilitation. Students will further develop their skill in relation to problems associated with long-term conditions of the nervous system.

PHTY 4042 Honours Thesis

Old code 16499. 9 credit points

Offered: Full Year (starts Feb). **Corequisite:** Honours Research Seminar PHTY 4053 (164F2).

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of physiotherapy. As part of this and other Honours units, each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor.

PHTY 4048 Topics in Physiotherapy IV

Old code 164C9. 3 credit points

Offered: July. **Classes:** 46 hours.

Students will continue their study of professional issues, and will explore the role of the physiotherapist in the area of ergonomics occupational health. The unit will be taught in two strands: Professional Issues and Occupational Health.

PHTY 4053 Honours Research Seminar

Old code 164F2. 3 credit points

Offered: Full Year (starts Feb). **Corequisite:** Honours Thesis PHTY 4042 (16499). **Classes:** Semester 1, 21 hours. Semester 2, 15 hours.

The aim of this unit is to develop students' skills required to present orally their research project and to produce their thesis. This unit supports Honours students with their ongoing research. It is intended that students will develop their presentation abilities, critical analysis skills and their understanding of the research process.

PHTY 4055 Musculoskeletal Physiotherapy IV

Old code 164F4. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses)

Musculoskeletal Physiotherapy III PHTY 3036 (16337). **Classes:** 32 hours.

This unit aims to further develop students' cognitive and practical skills necessary to competently manage patients presenting with more complex musculoskeletal disorders. Students will study practical and theoretical aspects of manipulative physiotherapy. This unit will enable students to integrate selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. A further aim of this unit is to continue developing the student's ability to evaluate and draw implications from the literature in the area of musculoskeletal physiotherapy.

Note: Students who have successfully completed the vertebral component of MS3 but not the paediatric component may apply to the Head of School to waive the prerequisite.

PHTY 4059 Clinical Education IIIB

Old code 164F8. 8 credit points

Offered: February. **Prerequisite:** (except Singapore courses)

Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIA PHTY 4079 (16410), Clinical Education IIIB PHTY 4059 (164F8), Clinical Education IIIC PHTY 4060 (164F8). **Classes:** 190 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIA, IIIB or IIIC.

PHTY 4060 Clinical Education IIIC

Old code 164F9. 13 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIA PHTY 4079 (16410), Clinical Education IIIB PHTY 4059 (164F8), Clinical Education IIIC PHTY 4060 (164F9).

Classes: 190 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIA, IIIB or IIIC.

PHTY 4061 Cardiopulmonary Physiotherapy III

Old code 164G0. 2 credit points

Offered: Full Year (starts Feb). **Prerequisite:** (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Applied Physiology EXSS 3009 (22309). **Classes:** Semester 1, 14 hours. Semester 2, 10 hours.

This unit aims to further develop the student's understanding of cardiopulmonary dysfunction, the scientific basis for therapeutic intervention and the process of clinical decision making. Areas that will be addressed include the management of individuals with one or more of the following disorders - chronic/acute airflow limitation, cardiovascular disorders, suppurative and infective lung diseases, restrictive lung disorders. There is an emphasis throughout the unit on self-directed learning and skills in presenting justification for clinical intervention.

PHTY 4068 Evidence-Based Practice

Old code 164H9. 4 credit points

Offered: Full Year (starts Feb). **Prerequisite:** Research Methods I: Design BEHS 1108 (101C5), Research Methods II: Data Analysis BEHS 3067 (103B9). **Classes:** Semester 1, 13 hours. Semester 2, 39 hours.

In this subject students will learn how clinical epidemiology research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and of treatment conditions treated by physiotherapists, and how to apply that information to individual patients.

PHTY 4079 Clinical Education IIIA

Old code 164I0. 9 credit points

Offered: February. **Prerequisite:** Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIA PHTY 4079 (164I0), Clinical Education IIIB PHTY 4059 (164F8), Clinical Education IIIC PHTY 4060 (164F9). **Classes:** 190 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIA, IIIB or IIIC.

PHTY 4080 Clinical Education IIIHA

Old code 164I1. 8 credit points

Offered: February. **Prerequisite:** Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIHA PHTY 4080 (164I1), Clinical Education IIIB PHTY 4059 (164F8), Clinical Education IIIC PHTY 4060 (164F9). **Classes:** 152 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY 4079 (164I0) Clinical Education IIIA.

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIHA, IIIB or IIIC.

PHTY 4081 Clinical Education IIIB

Old code 164I2. 7 credit points

Offered: February. **Prerequisite:** Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIHA PHTY 4080 (164I1), Clinical Education IIIB PHTY 4081 (164I2), Clinical Education IIIC PHTY 4060 (164F9). **Classes:** 180 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to Clinical Education IIIB PHTY 4059 (164F8).

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIHA, IIIB or IIIC. While enrolled in this unit honours students can negotiate with their honours project supervisor and their clinical education supervisor to be absent from their clinical placement for ten hours during the placement to engage in honours studies and/or meetings with supervisors. (Thus this unit is ten hours less than the parallel pass unit).

Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: The School of Indigenous Health Studies was established in February 1999. The Schools' vision is to facilitate improvements in Indigenous health and well being through innovation and excellence in teaching and research. The School provides professional education and training for Indigenous health workers at the undergraduate and postgraduate levels. It conducts and supervises research projects in Indigenous community health. It also offers a comprehensive academic support program for Indigenous students enrolled in the Faculty of Health Sciences.

The School teaches two **undergraduate programs**, the Diploma and Bachelor Health Sciences (Aboriginal Health and Community Development). These programs incorporate a number of innovative features designed to facilitate flexible learning options for Indigenous students. These include block mode and distance mode delivery, provisions for special entry for Indigenous students, articulation with other tertiary and accredited providers, third year entry to the Bachelor degree, mid year intake, 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 School also offers two **enabling programs** 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 which provides a 'reduced load' option which enables students to undertake the first year of their undergraduate program over two years.

The School adopts a **multidisciplinary approach** to teaching and learning in the health sciences. 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. This focus is also pertinent to the needs of other Indigenous communities with whom Yooroang Garang has developed collaborative links.

The **Diploma of Health Science** (Aboriginal Health and Community Development) has evolved from the Certificate and Associate Diploma in Aboriginal Health first offered at Cumberland campus in the 1980s. The Diploma has undergone major curriculum revision and continues to provide students with a basic training in the broad range of areas required by most Aboriginal health workers. Graduates of the program work with specific client groups such as in drug and alcohol, women's health services, Aboriginal Medical services or in other health and community fields. This course incorporates competency levels A to D of the Aboriginal and Torres Strait Islander Health Worker Competency Standards.

The **Bachelor of Health Science** (Aboriginal Health and Community Development.) was first offered as a 3-year degree in 1993. After extensive consultation a major revision was undertaken in 1996 and the course was taught as a 4-year degree from 1998. This innovative program is designed to provide students with maximum recognition of prior learning and flexible course options (entry and exit points).

The Bachelor's program is taught in two stages. The first stage (years one and two) incorporates the Diploma program. The second stage (years three and four) enable individual students to elect a program of study, which is best suited to the needs of their workplace, community and individual interests. The third year entry is also open to graduates of diploma courses in Education, Community Management, Social Welfare and Aboriginal Studies. The Diploma and Bachelor

programs are both offered in block-study mode to facilitate access to these courses for the broadest range of students

The degree offers a professional program in Aboriginal Health and Community Development. On completion students will have the attributes required to commence a career in Aboriginal health work and related areas. They may be employed in Aboriginal health, community development or other related roles.

In 1999 School has introduced a series of **articulated graduate coursework programs** as well as a research Master's degree and PhD level studies. The Graduate Certificate, Graduate Diploma and Master in Health Science (Indigenous Community Health) are offered in distance mode. These programs are available to Indigenous and non-Indigenous people interested in developing their skills in planning, implementing and evaluating community health programs, health promotion and cultural awareness.

Further course information about the School's programs may be obtained from the School on (02) 9351 9393.

Diploma of Health Science (Aboriginal Health and Community Development)

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 a two day assessment and interview session during the commencement of the semester and for four ten day blocks each year as well as completing two weeks of field placements each year.

Admission requirements

In general the kind of applicant sought is one with an appropriate life experience, motivated to work effectively with Aboriginal communities and possessing those personal attributes required to liaise with government departments and community agencies. Applicants should be Aboriginal and have a background in at least one of the following areas:
Work Experience - Employment over a period of some years in an area relevant to the course.

Education - Completion of Higher School Certificate or equivalent, for example, completion of a tertiary education preparation course; some standing in a course at another tertiary institution, or completion of a health workers' course conducted by an Aboriginal community organisation.

Life Experience - Voluntary participation in Aboriginal community organisations, for example, Aboriginal Education Consultative Groups, Aboriginal Land Councils, or Aboriginal Cooperatives.

Course outline

The course outline for the Diploma of Health Science (Aboriginal Health and Community Development) is presented in Table 14.1.

Table 14.1: Diploma of Health Science (Aboriginal Health and Community Development)

Course code	Mode of offer			
0767	Full-time; 2 years block attendance, plus off-campus			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD1028	(07177)	Perspectives in Indigenous Health I	6	-
AHCD1029	(07179)	Communication Studies I	6	-
AHCD1030	(07180)	Primary Health Care 1	6	-
AHCD1032	(07182)	Introduction to Counselling Skills Elective Studies IA ¹	6 -	- 6
AHCD1031	(07181)	Community Development I	-	6
AHCD1035	(07185)	Field Education I Elective Studies IB ¹	- -	6 6
Stage total (48 credit points for Year 1)			24	24
Year 2				
AHCD2013	(07260)	Perspectives in Indigenous Health II	6	-
AHCD2014	(07261)	Communication Studies II	6	-
AHCD2017	(07264)	Counselling Theory and Methods A Elective Studies IIA ²	6 6	- -
AHCD2015	(07262)	Primary Health Care II	-	6
AHCD2016	(07263)	Community Development II	-	6
AHCD2020	(07267)	Field Education II Elective Studies IIB ²	- -	6 6
Stage total (48 credit points for Year 2)			24	24

Notes to Table 14.1

- AHCD1036 (07126) Alcohol and Other Drugs I will be offered as Elective Studies IA in 2000
BIOS1076 (11184) Biological Sciences I will be offered as Elective Studies IB in 2000.
- AHCD2021 (07268) Alcohol and Other Drugs II will be offered as Elective Studies IIA in 2000
BIOS2090 (112E5) Biological Sciences II will be offered as Elective Studies IIB in 2000.

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 programs.

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) are presented in Tables 14.2 and 14.2.1.

Unit descriptions

Unit descriptions for course code 0780 year 1 and year 2 are as for the Diploma, and are listed at the end of this chapter.

Honours program

For information specific to the Honours Program in Aboriginal Health and Community Development students are advised to contact the Course Coordinator in Yooroang Garang.

Table 14.2: Bachelor of Health Science (Aboriginal Health and Community Development)

Course code	Mode of offer			
0753	Pass course; Full-time, 4 years block attendance			
0758	Honours program; Full-time, 5 years block attendance			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 4 (to be last offered in 2000)</i>				
AHCD3001	(07306)	Health Planning, Policy and Evaluation	5	-
AHCD3002	(07307)	Contemporary Issues in Health, Law and Medicine	5	-
AHCD3004	(07315)	Community Development III	-	5
AHCD3005	(07316)	Counselling III	6	-
AHCD3006	(07317)	Primary Health Care III	-	5
AHCD3007	(07318)	Field Education III	-	6
BIOS3033	(11388)	Biological Sciences HI	5	-
Stage total (37 credit points for Year 4)			21	16

Table 14.2.1 Bachelor of Health Science (Aboriginal Health and Community Development)

Course code	Mode of offer			
0780	Pass course; Full-time, 4 years, block attendance, plus off-campus			
0781	Honours program; Full-time, 4 years, block attendance, plus off-campus			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
AHCD1028	(07177)	Perspectives in Indigenous Health I	6	-
AHCD1029	(07179)	Communication Studies I	6	-
AHCD1030	(07180)	Primary Health Care I	6	-
AHCD1031	(07181)	Community Development I	-	6
AHCD1032	(07182)	Introduction to Counselling Skills	6	-
AHCD1035	(07185)	Field Education I	-	6
AHCD1036	(07126)	Alcohol and Other Drugs I	-	6
BIOS 1076	(11184)	Biological Sciences I	-	6
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
AHCD2013	(07260)	Perspectives in Indigenous Health II	6	-
AHCD2015	(07262)	Primary Health Care II	6	-
AHCD2016	(07263)	Community Development II	-	6
AHCD2017	(07264)	Counselling Theory and Methods A	6	-
AHCD2020	(07267)	Field Education II	-	6
AHCD2021	(07268)	Alcohol and Other Drugs 11	-	6
BACH2033	(2521M)	Health and Human Behaviour I	6	-
BIOS2090	(112E5)	Biological Sciences II	-	6
Stage total (48 credit points for Year 2)			24	24
<i>Year 3</i>				
AHCD3008	(07342)	Indigenous Community Health Project A (Planning)	-	6
		Research Elective IIIA ¹	6	-
		Electives ²	18	6
AHCD3009	(07343)	Field Education III	-	6
		Research Elective IIIB'	-	6
Stage total (48 credit points for Year 3)			24	24
<i>Year 4</i>				
AHCD4001	(074B5)	Indigenous Community Health Project B	6	-
		Electives ²	18	12
AHCD4002	(074B6)	Field Education IV	-	12
Stage total (48 credit points for Year 4)			24	24
Honours program				
<i>Year 3</i>				
		Research Elective IIIA ¹	6	-
		Research Elective IIIB'	6	-
		Electives ²	12	12
AHCD3009	(07343)	Field Education III	-	6
AHCD3011	(07345)	Honours Workshop A	-	6
Stage total (48 credit points for Year 3)			24	24

Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 4</i>				
AHCD4052	(07445)	Honours Workshop B	6	-
		Research Elective IVA ¹	6	-
		Research Elective IVB ¹	6	-
AHCD4005	(074B7)	Research Thesis A	-	12
AHCD4006	(074B8)	Research Thesis B	-	18
Stage total (48 credit points for Year 4)			18	30

Notes to Table 14.2.1

1. Students choose 2 Research Electives in Year 3 of the Pass Program and 2 additional Research Electives for Year 4 Honours selected from the list below.
2. Students choose 4 electives in Year 3 and 5 electives in Year 4. All elective units are presented in related streams as outlined below. Students may choose to specialise by selecting all electives from one stream, or may select across streams.

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

Semester

Research Stream

AHCD4007	(07401)	Epidemiology	1
AHCD4008	(07402)	Introduction to Health Research	1
AHCD4016	(07410)	Participant Observation and Ethnography	1
AHCD4018	(07412)	Action Research	1
AHCD4037	(07430)	Research Seminar	2
AHCD4038	(07431)	Quantitative Research Methods	2
AHCD4039	(07432)	Historical Research	2
BACH4052	(25451)	Social Research	2

Counselling and Indigenous Mental Health Stream

AHCD3010	(07344)	Counselling Theory and Methods B	2
AHCD4011	(07405)	Family Therapy	2
AHCD4020	(07414)	Group Processes and Counselling	1
AHCD4021	(07415)	Art Therapy	1
AHCD4028	(07422)	Alcohol and Other Drugs Counselling	1
AHCD4030	(07423)	Issues in Indigenous Mental Health	1
AHCD4040	(07433)	Addictions Counselling	2
AHCD4041	(07434)	Counselling with Art Therapy	2
AHCD4042	(07435)	Wellness	1
BACH4053	(25452)	Health and Human Behaviour II	2

Indigenous Community Development and Management Stream

AHCD4012	(07406)	Communication in Indigenous Communities	1
AHCD4017	(07411)	Community Development III	2
AHCD4019	(07413)	Community Development IV*	1
AHCD4026	(07420)	Health Management Theory	1
AHCD4031	(07424)	Health Management Practice	2
AHCD4032	(07425)	Health Planning, Policy and Evaluation I	2
AHCD4043	(07436)	Computer Skills in the Media	2
AHCD4044	(07437)	The Health Worker and the Law	2
AHCD4045	(07438)	Indigenous Health Information Management	1
AHCD4050	(07443)	Health Planning, Policy and Evaluation II	2

Primary Health Care and Health Promotion Stream

AHCD4033	(07426)	Perspectives in Indigenous Health III	1
AHCD4010	(07404)	Perspectives in Indigenous Health IV	2
AHCD4013	(07407)	Nutrition and Lifestyle	2
AHCD4014	(07408)	Contemporary Issues in Health Law, and Medicine	1
AHCD4022	(07416)	Health Promotion for Indigenous Communities II	2
AHCD4023	(07417)	Health Promotion for Indigenous Communities III*	2
AHCD4025	(07419)	Multiculturalism and Indigenous Issues*	1
AHCD4027	(07421)	Ethics	1
AHCD4034	(07427)	Health Promotion for Indigenous Communities I	1
AHCD4035	(07428)	Primary Health Care HI	1
AHCD4036	(07429)	Art and Media in Indigenous Health Promotion	1
AHCD4046	(07439)	Early Disease Intervention for Aboriginal Health Workers in Remote Areas A	2
AHCD4047	(07440)	Early Disease Intervention for Aboriginal Health Workers in Remote Areas B	1
AHCD4049	(07442)	Skills for Teaching Health	2
BIOS3046	(113A1)	Biological Sciences III	2
BIOS3051	(113A4)	Biological Sciences IIIA	2

Indigenous Environmental Health and Housing Stream

AHCD4024	(07418)	Housing and Environmental Health	1
AHCD4048	(07441)	Issues in Housing and Environment Health	2
AHCD4051	(07444)	Indigenous Health and Housing	1

*Not offered in 2000

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 Chapter 3). 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 will 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 14.4.

Table 14.4: Aboriginal Health Science Support Program

Course code	Mode of offer			
0740	Part-time; 3 years			
Average student hours: 6-8 hours per week over first two years, 1-4 hours per week over third year				
Unit code	(old code)	Unit name	Sem 1	Sem 2
AHCD1009	(07157)	Anatomy Support (A)	4 ¹	-
AHCD1012	(07160)	Biological Sciences Support (A)	3	3
AHCD1013	(07161)	Biological Sciences Support (B)	33	-
AHCD1014	(07162)	Physics Support	4	2
AHCD1015	(07163)	Research Methods Support (I)	33	-
AHCD1007	(07151)	Aboriginal Studies	1 ³	-
AHCD1006	(07149)	Study Skills	3	1
AHCD1016	(07164)	Professional Studies Support (IA)	2 ³	-
AHCD1017	(07165)	Professional Studies Support (IB)	2	2
AHCD1018	(07166)	Biomechanics Support (1)	22.3	-
AHCD1019	(07167)	Neurobiology Support	3 ³	-
AHCD1020	(07168)	Behavioural Sciences Support (A)	23	-
AHCD1021	(07169)	Behavioural Sciences Support (B)	3	3
AHCD1023	(07171)	Mathematics Support(A)	1 ³	-
AHCD1024	(07172)	Mathematics Support(B)	1	1
AHCD2008	(07255)	Biomechanics Support (2)	2 ³	-
AHCD2009	(07256)	Professional Studies Support (2)	1	1
AHCD2010	(07257)	Research Methods Support (2A)	33	-
AHCD2011	(07258)	Research Methods Support (2B)	2	2
AHCD1010	(07158)	Anatomy Support (B)	-	2
AHCD1011	(07159)	Biological Sciences Orientation	-	2
AHCD1022	(07170)	Mathematics Orientation	-	1
AHCD1037	(07186)	Counselling Support	63	-
AHCD1053	(07187)	Community Development Support	6 ³	-
AHCD1054	(07188)	Primary Health Care Support	63	-
AHCD1055	(07189)	Indigenous Studies Support	63	-
AHCD1056	(07190)	Communication Studies Support	63	-
AHCD1057	(07191)	Biological Sciences Support	6 ³	-

Notes to Table 14.4

1. Includes 2 credit points prior to start of academic year
2. Includes 1 credit point prior to start of year
3. Offered semester 1 or 2

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 HSC mark lower than that needed under the Aboriginal Special Admission Policy 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 14.5.

Table 14.5: Aboriginal Health Science Preparatory Program

Course code	Mode of offer	
0739	Full-time	
0747	Part-time	
Unit code	(old code)	Unit name
AHCD1003	(07138)	Mathematics Workshop
AHCD1004	(07139)	Study Skills Workshop
AHCD1005	(07140)	Aboriginal Studies
AHCD1025	(07173)	Anatomy Workshop
AHCD1026	(07174)	Human Biology Workshop
AHCD1027	(07175)	Behavioural Science Workshop

Units of study

AHCD1003 **Mathematics Workshop**

Old code 07138.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. It aims to teach numeracy in the context of students' culture and their aspirations for undertaking study in a particular award course. The unit includes both group and individual tuition.

AHCD 1004 **Study Skills Workshop**

Old code 07139.

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 study skills such as organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD 1005 **Aboriginal Studies**

Old code 07140.

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 1006 **Study Skills**

Old code 07149. 4 credit points

Offered: Full Year (starts Feb).

This unit introduces students to the skills needed for successful tertiary study, particularly related to health science courses. Topics covered include time management, research skills, exam preparation skills and writing skills.

AHCD 1007 **Aboriginal Studies**

Old code 07151. 1 credit point

Offered: February, July.

This unit examines the historical, social, economic and political factors relevant to Aboriginal people today, particularly in relation to health. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginal identity.

AHCD 1009 **Anatomy Support (A)**

Old code 07157. 4 credit points

Offered: February.

This unit commences two weeks prior to the start of the academic year. It begins by introducing students to the principles of studying anatomy and orienting them to the anatomy laboratories. The unit continues to be offered concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1010 **Anatomy Support (B)**

Old code 07158. 2 credit points

Offered: July.

The unit runs concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1011 **Biological Sciences Orientation**

Old code 07159. 2 credit points

Offered: July.

The material covered in this unit depends on the course being undertaken by the student. The pre-course option is offered only in semester 2 and aims to provide students with an understanding of the fundamental concepts of chemistry and physiology needed for successful participation in the human biology component of their course in the following year.

AHCD 1012 **Biological Sciences Support (A)**

Old code 07160. 6 credit points

Offered: Full Year (starts Feb).

These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD 1013 **Biological Sciences Support (B)**

Old code 07161. 3 credit points

Offered: February, July.

These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD 1014 **Physics Support**

Old code 07162. 6 credit points

Offered: Full Year (starts Feb).

The unit is designed for students enrolled in Medical Radiation Technology who may not have a strong background in physics. It aims at both preparing students for study in physics-related units, and the opportunity to revise and consolidate concepts covered in the physics component of their course. It also covers the mathematical concepts required.

AHCD 1015 **Research Methods Support (1)**

Old code 07163. 3 credit points

Offered: February, July.

This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 1016 **Professional Studies Support (1 A)**

Old code 07164. 2 credit points

Offered: February, July.

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)**

Old code 07165. 4 credit points

Offered: Full Year (starts Feb).

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)**

Old code 07166. 2 credit points

Offered: February, July.

This unit aims to provide an introduction to the fundamental principles of biomechanics as well as provide students in the first year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 1019 **Neurobiology Support**

Old code 07167. 3 credit points

Offered: February, July.

This unit aims to introduce students to the fundamental concepts of neurobiology and to provide students with an opportunity to revise and consolidate content covered in the neurobiology component of their course.

AHCD 1020 **Behavioural Sciences Support (A)**

Old code 07168. 2 credit points

Offered: February, July.

These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD 1021 **Behavioural Sciences Support (B)**

Old code 07169. 3 credit points

Offered: February, July.

These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD 1022 **Mathematics Orientation**

Old code 07170. 1 credit point

Offered: July.

This is offered only in semester 2 and aims to provide students with the fundamental mathematical concepts being introduced to students in the introduction to fundamentals of human biology course.

AHCD 1023 Mathematics Support (A)

Old code 07171.1 credit point

Offered: February, July.

The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1024 Mathematics Support (B)

Old code 07172. 2 credit points

Offered: Full Year (starts Feb).

The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1025 Anatomy Workshop

Old code 07173.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, musculo-skeletal system, as well as the anatomy of various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD 1026 Human Biology Workshop

Old code 07174.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts, such as scientific measurement and graphing. It moves on to cover 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.

AHCD 1027 Behavioural Science Workshop

Old code 07175.

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.

AHCD 1028 Perspectives in Indigenous Health I

Old code 07177. 6 credit points

Offered: February.

This unit introduces students to indigenous perspectives in health. Part I, Dreamings - Culture - Society focuses on traditional or pre-contact Aboriginal lifestyle, philosophy and law, and also explores issues of identity for contemporary Aboriginal people. Part II, culture contact and conflict is based on case studies from around Australia which provide examples of the diversity of contact with non aboriginal people - post invasion. Guest lecturers and field trips will be important components.

AHCD 1029 Communication Studies I

Old code 07179. 6 credit points

Offered: February.

This unit of study helps you to develop academic and professional skills that are an essential part of studying at university and working in Aboriginal settings. Topics covered include computer and information literacy, critical reading and writing skills, multi media presentations, as well as workplace communication skills such as submission writing.

AHCD 1030 Primary Health Care I

Old code 07180. 6 credit points

Offered: February.

This unit aims to provide the student with knowledge of cultural attitudes to health and ill health in Aboriginal communities. Models of family, kinship, and community will be outlined to identify the role each plays in health. A holistic approach to analyse health, and disease in indigenous communities will be defined. The role of the health worker in improving primary health care to the community will be explored.

AHCD 1031 Community Development I

Old code 07181. 6 credit points

Offered: July.

This unit provides a background to community development in Aboriginal and Torres Strait Islander communities. Students will gain an understanding of the diversity of Aboriginal & Torres Strait Islander communities of today and the impact of this diversity on the needs, development, approach, etc. It will focus on the community development process and the importance of community participation at all levels. The student will develop a profile of an Aboriginal community.

AHCD 1032 Introduction to Counselling Skills

Old code 07182. 6 credit points

Offered: February.

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 Field Education I

Old code 07185. 6 credit points

Offered: July.

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development worker. It provides a graduated program which spans the three years of the program and is designed to formulate the integration of theoretical concepts and skills learnt during the program.

AHCD 1036 Alcohol and Other Drugs 1

Old code 07126. 6 credit points

Offered: July.

The social, political, psychological and physical factors which contribute to the development of alcohol and other drug related problems are examined and the pharmacology of the more common drugs, both prescribed and illegal, is studied. Skills are developed in identifying and responding to drug related crises and in assessing community needs not met by existing drug and alcohol services.

AHCD 1037 Counselling Support

Old code 07186. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic skills required to successfully complete the Counselling subjects.

AHCD 1053 Community Development Support

Old code 07187. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic skills required to successfully complete the Community Development units.

AHCD 1054 Primary Health Care Support

Old code 07188. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic

skills required to successfully complete the Primary Health Care units.

AHCD1055 **Indigenous Studies Support**

Old code 07189. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic skills required to successfully complete the Indigenous Studies units.

AHCD 1056 **Communication Studies Support**

Old code 07190. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic skills required to successfully complete the Communication Studies units.

AHCD 1057 **Biological Sciences Support**

Old code 07191. 6 credit points

Offered: February, July.

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 subject material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

AHCD 2008 **Biomechanics Support (2)**

Old code 07255. 2 credit points

Offered: February, July.

This unit aims to provide students in the second year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 2009 **Professional Studies Support (2)**

Old code 07256. 2 credit points

Offered: Full Year (starts Feb).

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 2010 **Research Methods Support (2A)**

Old code 07257. 3 credit points

Offered: February, July.

AHCD 2011 **Research Methods Support (2B)**

Old code 07258. 4 credit points

Offered: Full Year (starts Feb).

These units aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 2013 **Perspectives in Indigenous Health II**

Old code 07260. 6 credit points

Offered: February.

This unit provides an historical perspective to the study of Indigenous health through its focus on race relations in Australia during the twentieth century. It identifies mechanisms of control by government and church groups; in particular, institutionalization, and explores their physical and psychological effects on indigenous health. This unit also examines the nature and function of government agencies for Aborigines since 1967 and the development of various policies and strategies the local state and national levels. Guest lecturers and field trips will continue to be important components.

AHCD 2014 **Communication Studies II**

Old code 07261. 6 credit points

Offered: February.

This unit of study enables students to examine the process of communication in the workplace including organisational communication and will develop skills such as team building, deci-

sion making, problem solving, conflict resolution and negotiation skills.

AHCD 2015 **Primary Health Care II**

Old code 07262. 6 credit points

Offered: February.

This unit will focus on issues of ill health in indigenous communities across Australia. Today Aboriginal people are suffering from both third world and modern illnesses as fourth world (minority) citizens of Australia. This unit focuses on issues of health and human behaviour that are of particular interest to the Aboriginal Health Professional.

AHCD 2016 **Community Development II**

Old code 07263. 6 credit points

Offered: July.

Students will develop skills for community development planning. Students will write community development strategic plans address issues in Aboriginal health and how to plan projects.

AHCD 2017 **Counselling Theory and Methods A**

Old code 07264. 6 credit points

Offered: February.

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

AHCD 2020 **Field Education II**

Old code 07267. 6 credit points

Offered: July.

This unit is an essential component in the process of developing competence as Aboriginal Health and/or Community Development workers. It provides a graduated program which spans the three years of the program and is designed to formulate the integration of theoretical concepts and skills learnt during program work.

AHCD 2021 **Alcohol and Other Drugs II**

Old code 07268. 6 credit points

Offered: July.

The unit further develops skills in assessing drug related social and psychological problems. Understanding of the factors which contribute to the development of alcohol and drug related problems is utilised as a basis for determining strategies for the prevention of these problems in the community. This unit also explores strategies for maintaining the health and well-being of the worker who is dealing with clients with drug related problems.

AHCD 3001 **Health Planning, Policy and Evaluation**

Old code 07306. 5 credit points

Offered: February.

This unit is designed to provide an understanding of the basic concepts and approaches in health policy, planning and evaluation. Students will be introduced to methodologies and techniques used in policy analysis, public health planning, and program evaluation. The unit will build on theories and skills acquired in years 1, 2 and 3 particularly quantitative and qualitative epidemiological, statistical and social science methods. Special emphasis will be placed on the multi disciplinary nature of health policy, planning and evaluation within a public health framework.

AHCD 3002 **Contemporary Issues in Health, Law and Medicine**

Old code 07307. 5 credit points

Offered: February.

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.

AHCD3004 **Community Development III**

Old code 07315. 5 credit points

Offered: July.

This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD3005 **Counselling III**

Old code 07316. 6 credit points

Offered: February.

This unit will teach students the practical skills needed for the development of effective counselling in the area of Aboriginal Health and Community development. During this part of the year most emphasis will be on assisting students to develop individual styles of counselling based on the theoretical framework that was established during the second year course.

AHCD 3006 **Primary Health Care III**

Old code 07317. 5 credit points

Offered: July.

This unit provides students with the opportunity to develop special skills and knowledge in selected areas of Aboriginal health. Specific content may vary from year to year in response to contemporary needs and trends.

AHCD 3007 **Field Education III**

Old code 07318. 6 credit points

Offered: July.

These units are essential components in the process of developing competence as an Aboriginal Health and/or Community Development worker. They provide a graduated program which spans the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

AHCD 3008 **Indigenous Community Health Project A**

Old code 07342. 6 credit points

Offered: Full Year (starts Feb).

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project), following a project plan developed in Indigenous Community.

AHCD 3009 **Field Education III**

Old code 07343. 6 credit points

Offered: July.

These units are essential components in the process of developing competence as an Aboriginal Health and/or Community Development worker. They provide a graduated program which spans the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

AHCD 3010 **Counselling Theory and Methods B**

Old code 07344. 6 credit points

Offered: February.

This unit will teach students the practical skills needed for the development of effective counselling in the area of Aboriginal Health and Community development. During this part of the year most emphasis will be on assisting students to develop individual styles of counselling based on the theoretical framework that was established during the second year course.

AHCD 3011 **Honours Workshop A**

Old code 07342. 6 credit points

Offered: July.

Honours Workshops A and B provide students with an opportunity to integrate learning throughout the course leading to the writing up of their Honours thesis.

AHCD 4001 **Indigenous Community Health Project B**

Old code 074B5. 6 credit points

Offered: February.

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project B), following a project plan developed in Indigenous Community Health Project A.

AHCD 4002 **Field Education IV**

Old code 074B6. 12 credit points

Offered: July.

These units are essential components in the process of developing competence as an Aboriginal Health and/or Community Development worker. They provide a graduated program which spans the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

AHCD 4005 **Research Thesis A**

Old code 074B7. 12 credit points

Offered: July.

Students are given the opportunity to undertake a supervised research project. Students design and implement an approved project under the supervision of an academic staff

member, and submit a thesis describing the project and its implications for service delivery and further research.

AHCD 4006 **Research Thesis B**

Old code 074B8. 18 credit points

Offered: July.

Students are given the opportunity to undertake a supervised research project. Students design and implement an approved project under the supervision of an academic staff

member, and submit a thesis describing the project and its implications for service delivery and further research.

AHCD 4007 **Epidemiology**

Old code 07401. 6 credit points

Offered: February.

This unit introduces students to the basic principles of epidemiology: the study of the distribution of disease and the search for the determinants of that observed distribution. Measurement and validity issues involved in this search for cause-effect relationships are introduced. The integral role of biostatistics in the planning and data-analysis stages of epidemiological projects is reviewed. The general aim of this course is for the students to be familiar with terms used in epidemiology and to be able to critically evaluate selected epidemiological literature.

AHCD 4008 **Introduction to Health Research**

Old code 07402. 6 credit points

Offered: February.

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 4010 **Perspectives in Indigenous Health IV**

Old code 07404. 6 credit points

Offered: July.

Perspectives IV is structured around class discussions, readings, case studies and student presentations on selected topics in Indigenous health. These topics will be determined by current student interest and professional directions and may include: men's business; women's business; the role of the professional Aboriginal health worker; international indigenous societies and culture; health and community development.

AHCD 4011 **Family Therapy**

Old code 07405. 6 credit points

Offered: July. **Assumed knowledge:** Counselling I (07182) or equivalent.

The major theories and methods of family therapy will be examined and related to the Aboriginal culture and traditions.

AHCD 4012 Communication in Indigenous Communities

Old code 07406. 6 credit points

Offered: February.

How does the structure and the culture of an organisation affect how people communicate? What effect do networks, gender and power have on the way people communicate in organisations and what models can we use to develop effective communication in both public and private sector organisations? This unit of study involves a practical look at communication in community based organisations such as Aboriginal Medical Services and government organisations such as ATSIC and the Health Department.

AHCD 4013 Nutrition and Lifestyle

Old code 07407. 6 credit points

Offered: July.

This unit examines various issues associated with health and nutrition in both urban and rural indigenous communities.

AHCD 4014 Contemporary Issues in Health, Law and Medicine

Old code 07408. 6 credit points

Offered: February.

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

Old code 07410. 6 credit points

Offered: February.

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

Old code 07411. 6 credit points

Offered: July.

This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4018 Action Research

Old code 07412. 6 credit points

Offered: February.

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the internet.

AHCD 4019 Community Development IV

Old code 07413. 6 credit points

This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4020 Group Processes and Counselling

Old code 07414. 6 credit points

Offered: February.

The theories of groups processes and counselling will be examined. Topics such as group formation, group roles, group communication and the role of the therapist, will be examined. Students will be encouraged to develop individual styles that reflect the needs of the indigenous communities they are familiar with.

AHCD 4021 Art Therapy

Old code 07415. 6 credit points

Offered: February. Assumed knowledge: Counselling I AHCD1 (07182) and Counselling II AHCD 2005 (07252) or equivalent.

This unit of study will introduce the basic concepts and skills related the use of art in counselling. Students will be introduced to both the diagnostic and therapeutic applications of this technique.

AHCD 4022 Health Promotion for Indigenous Communities II

Old code 07416. 6 credit points

Offered: February. Prerequisite: Health Promotion I.

Using various strategies developed in Health Promotion I, this unit will provide the students with mechanisms to develop their own indigenous health promotional programs/projects, implement and evaluate the outcome. It is a hands on unit.

AHCD 4023 Health Promotion for Indigenous Communities III

Old code 07417. 6 credit points

Prerequisite: Health Promotion I.

Using various strategies developed in Health Promotion I, this unit will provide the students with mechanisms to develop their own indigenous health promotional programs/projects, implement and evaluate the outcome. It is a hands on unit.

AHCD 4024 Housing and Environmental Health

Old code 07418. 6 credit points

Offered: February.

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 4025 Multiculturalism and Indigenous Issues

Old code 07419. 6 credit points

The objectives of 'Issues in Indigenous Mental Health' are to consider the special historical, cultural, spiritual and social factors that impact on indigenous health, especially mental health. Special emphasis will be given to assisting students' understanding of the biopsychosocial aspects of indigenous mental health. Transgenerational issues (such as grief) in relation to indigenous mental health will be explored.

AHCD 4026 Health Management Theory

Old code 07420. **Offered:** February.

This unit of study examines the current theories and methods of management and relates these models to the management of Indigenous health organisations.

AHCD 4027 Ethics

Old code 07421. 6 credit points

This unit of study provides an introduction to the study of ethical rules governing decision making in health care practice. The ethical codes related to health care practice and research will be compared and contrasted.

AHCD 4028 Alcohol and other Drugs Counselling

Old code 07422. 6 credit points

Offered: February.

This unit of study is focused on the essential skills needed for the development of effective counselling in the area of drug and alcohol addiction. Students will draw from their studies in Counselling I & Counselling II, and Drugs and Alcohol I & II to develop counselling strategies that are culturally effective.

AHCD 4030 Issues in Indigenous Mental Health

Old code 07423. 6 credit points

Offered: July.

The objectives of 'Issues in Indigenous Mental Health' are to consider the special historical, cultural, spiritual and social fac-

tors that impact on indigenous health, especially mental health. Special emphasis will be given to assisting students' understanding of the biopsychosocial aspects of indigenous mental health. Transgenerational issues (such as grief) in relation to indigenous mental health will be explored.

AHCD 4031 Health Management Practice

Old code 07424. 6 credit points

Offered: July.

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 I

Old code 07425. 6 credit points

Offered: July.

This unit is designed to provide an understanding of the basic concepts and approaches in health policy, planning and evaluation. Students will be introduced to ideological, socio-cultural and economic and political assumptions implicit in policy development.

AHCD 4033 Perspectives in Indigenous Health III

Old code 07426. 6 credit points

Offered: February.

This unit builds on Perspectives in Indigenous Health I and II by further exploring Indigenous, sociological, historical and anthropological on Indigenous health. Students will examine a range of materials related to the themes of race and racism. The major theories underlying the notion of race and racial relations in the nineteenth and twentieth centuries will be introduced and the impact of these on the health of Indigenous people in Australia critically analysed.

AHCD 4034 Health Promotion for Indigenous Communities I

Old code 07427. 6 credit points

Offered: February.

This unit provides an overview of the principles and practice of health promotion. It is designed to give students a theoretical perspective of health promotion within a public health and community based framework, with particular emphasis on the range of different approaches to health promotion.

AHCD 4035 Primary Health Care III

Old code 07428. 6 credit points

Offered: February.

This unit provides students with the opportunity to develop special skills and knowledge in selected areas of Aboriginal health. Specific content may vary from year to year in response to contemporary needs and trends.

AHCD 4036 Art and Media in Indigenous Health Promotion

Old code 07429. 6 credit points

Offered: February.

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 4037 Research Seminar

Old code 07430. 6 credit points

Offered: July.

This unit is only available to students who have been enrolled in the Honours program. Students will be required to participate in seminar discussions related to their individual research plans.

AHCD 4038 Quantitative Research Methods

Old code 07431. 6 credit points

Offered: July.

This unit introduces students to the application of statistical concepts to research in selected topics in Aboriginal Health. To pass

this unit students will study two modules. One module on inferential statistical techniques will be compulsory. The second module is designed to allow students to develop an in depth understanding of specific methodologies such as; descriptive, correlational, ex-post-facto and experimental.

AHCD 4039 Historical Research

Old code 07432. 6 credit points

Offered: July.

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

Old code 07433. 6 credit points

Offered: July. **Assumed knowledge:** Counselling I (07182) or equivalent.

The relationship to addiction and personality will be explored in depth. Specific addictions such as addition to gambling will be discussed. Part of the assessment for this unit will require students to present a relevant case study for discussion.

AHCD 4041 Counselling with Art Therapy

Old code 07434. 6 credit points

Offered: July.

This unit will be taught in conjunction with Perspectives in Indigenous Health IV. It will compare and contrast the modern concepts in Art Therapy with the use of traditional methods in spiritual healing.

AHCD 4042 Wellness

Old code 07435. 6 credit points

Offered: February.

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 4043 Computer Skills in the Media

Old code 07436. 6 credit points

Offered: July.

In this unit you will develop practical skills in desktop publishing and produce a professional newspaper. Topics covered include putting together a copy, the role of editorial targeting and contents planning, creative use of typography, layout and design, graphics and artwork, advertisements, distribution and legal issues such as copyright.

AHCD 4044 The Health Worker and the Law

Old code 07437. 6 credit points

Offered: July.

The unit introduces students to the basic principles of the application of the law in Australia. Particular reference is made to those aspects of the law that relate specifically to the role of the practice of the Aboriginal Health Worker. This unit also provides students an opportunity to familiarise themselves with their legal rights and responsibilities in contemporary society as both citizens and professional health workers.

AHCD 4045 Indigenous Health Information Management

Old code 07438. 6 credit points

Offered: February.

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 for Aboriginal Health Workers in Remote Areas A

Old code 07439. 6 credit points

Offered: July.

This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and 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 for Aboriginal Health Workers in Remote Areas B

Old code 07440. 6 credit points

Offered: February.

This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and 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 and Environmental Health

Old code 07441. 6 credit points

Offered: July.

Issues such as government policy, specific cultural needs, differing needs between remote, rural and urban families will be explored.

AHCD 4049 Skills for Teaching Health

Old code 07416. 6 credit points

Offered: July.

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 II

Old code 07443. 6 credit points

Offered: July.

This unit, a continuation of Health Policy Planning and Evaluation I, analyses the National Aboriginal Health Policy and introduces the students to other countries experience in health policy development for indigenous population.

AHCD 4051 Indigenous Health and Housing

Old code 07444. 6 credit points

Offered: February.

This unit encourages students to explore the relationship between the links between housing style and quality and the health of its inhabitants. Students will be able to develop practical skills required to assess housing suitability.

AHCD 4052 Honours Workshop B

Old code 07445. 6 credit points

Offered: February.

Honours Workshops A and B provide students with an opportunity to integrate learning throughout the course leading to the writing up of their Honours thesis.

BACH 2033 Health and Human Behaviour I

Old code 2521M.

This unit introduces the student to sociological theories and concepts with particular reference to health and human behaviour. The unit also provides a cross-cultural and comparative analysis of health and human behaviour. It focuses on the inter-relationship between culture, medical systems, and social organisation in non-Western and Western societies with an emphasis on the health needs of Aboriginal and migrant peoples.

BACH 4052 Social Research

Old code 25451. 6 credit points

Offered: July.

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.

BACH 4053 Health and Human Behaviour II

Old code 25452. 6 credit points

Offered: July.

This unit introduces students to topics in psychology, including perception, intelligence, personality and learning. One area of focus will be social psychology, which deals with aspects of the behaviour of people in groups, with applications to people with disabilities. Psychological issues to do with counselling will also be addressed.

BIOS 1076 Biological Sciences I

Old code 11184. 6 credit points

Offered: July.

This unit is an introduction to the systems of the body using the theme of homeostasis and will provide the basis for further study of health and illness.

BIOS 2090 Biological Sciences II

Old code 112E5. 6 credit points

Offered: July.

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 3033 Biological Sciences III

Old code 11388. 5 credit points

Offered: February.

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, sexual and reproductive consequences and alternate health care.

BIOS 3046 Biological Sciences III

Old code 113A1. 6 credit points

Offered: February.

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, sexual and reproductive consequences and alternate health care.

BIOS 3051 Biological Sciences IIIA

Old code 113A4. 6 credit points

Offered: February.

Medical Sciences and Disorders of Body Systems. To introduce the student to pharmacology, pathophysiology and aspects of cross-infection and immunology through the life stages from foetus to old age. This will be presented in a problem based manner.

Singapore conversion courses

This chapter provides detailed course information about off-shore (Singapore-based) conversion courses to bachelor degrees in nursing, occupational therapy, physiotherapy and medical radiation sciences.

The off-shore programs are conducted in Singapore by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. They arose from a successful tender by the Faculty to conduct conversion courses for health professionals, namely, nurses, occupational therapists, physiotherapists, and medical radiation technologists, who are local residents of Singapore. Graduates from these programs will receive an award from the University of Sydney. The courses are conducted in a part-time modular mode, the duration being eighteen months to two years (see individual program entries). Several modules described in the Nursing program are common to the Occupational Therapy, Physiotherapy and Medical Radiation Technology programs (see individual program entries).

Each module is conducted over a three week period and comprises of thirty hours of student contact. Modules are programmed to allow time between each module for completion of assessment tasks.

The ongoing responsibility for the management of the programs lies with the Faculty of Health Sciences. Staff in the

Faculty Office coordinate interactions with the Singapore Institute of Management, the Singapore Ministry of Health and the Faculty of Nursing, the University of Sydney. 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' diplomates who have graduated from Nanyang Polytechnic to convert their diploma qualifications to a Bachelors 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) a 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 Tables 15.1 and 15.2.

Table 15.1: Bachelor of Health Science (Nursing)

Course code	Mode of offer			
2001	Modular; Part-time, 2 years (September start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (no commencing students in September 2000)</i>				
<i>Year 2 (last offered in 2001)</i>				
SING4008	(20408)	Pathophysiology	3	
SING4009	(20409)	Sociology of Work and Organisations	3	
SING4010	(20410)	Financial Management in the Health Services	3	
SING4011	(20411)	Sociology of Client/Practitioner Relationships		4
SING4012	(20412)	Health Assessment	3	
SING4013	(20413)	Management in Nursing		4
SING4014	(20414)	Advanced Clinical Studies		4
Stage total (24 credit points for Year 2)			12	12

Note: Credit may be given for previous learning.

Table 15.2: Bachelor of Health Science (Nursing)

Course code	Mode of offer			
2011	Part-time, 2 years (April start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (no commencing students in April 2000)</i>				
<i>Year 2 (last offered in 2001)</i>				
SING4031	(20431)	Pathophysiology	3	
SING4032	(20432)	Health Assessment	3	
SING4033	(20433)	Sociology of Work and Organisations	3	
SING4034	(20434)	Management in Nursing		4
SING4035	(20435)	Sociology of Client/Practitioner Relationships		4
SING4036	(20436)	Financial Management in the Health Services	3	
SING4037	(20437)	Advanced Clinical Studies		4
Stage total (24 credit points for Year 2)			12	12

Note: Credit may be given for previous learning.

Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

- i) A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with 'A level' entry; OR

- ii) An approved Diploma in Occupational Therapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or the equivalent.

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) course is presented in Table 15.3.

Table 15.3: Bachelor of Health Science (Occupational Therapy)

Course code	Mode of offer			
2002	Part-time, 2 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (no commencing students in 2000)</i>				
<i>Year 2 (last offered in 2000)</i>				
SING4008	(20408)	Pathophysiology	3	-
SING4009	(20409)	Sociology of Work and Organisations	3	-
SING4010	(20410)	Financial Management in the Health Services	3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships	-	4
SING4015	(20415)	Components of Occupational Performance	-	4
SING4016	(20416)	Occupational Therapy Theory and Process	-	4
SING4017	(20417)	Evaluation of Occupational Therapy Programs	3	-
Stage total (24 credit points for Year 2)			12	12

Note: Credit may be given for previous learning.

Bachelor of Health Science (Medical Radiation Technology)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

- i) a Diploma in Radiography from Nanyang Polytechnic, Singapore, with A level entry,
AND
ii) a minimum of one year medical radiation sciences clinical practice,

OR

- ii) a Diploma of the College of Radiographers (Singapore) or equivalent,

AND

- iii) a minimum of three years medical radiation technology clinical practice after graduation.

Course outline

The course outline for the Bachelor of Health Science (Medical Radiation Technology) course is presented in Table 15.4.

Table 15.4: Bachelor of Health Science (Medical Radiation Technology)

Course code	Mode of offer			
2004	Part-time; 2 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (no commencing students in 2000)</i>				
<i>Year 2 (last offered in 2000)</i>				
SING4008	(20408)	Pathophysiology	3	-
SING4009	(20409)	Sociology of Work and Organisations	3	-
SING4010	(20410)	Financial Management in the Health Services	3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships	-	4
SING4021	(20421)	Department Design and Safety Issues	3	-
SING4022	(20422)	Computer Communications in Medical Radiation Technology	-	4
SING4023	(20423)	Management of Equipment Selection	-	4
Stage total (24 credit points for Year 2)			12	12

Note: Credit may be given for previous learning.

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 Tables 15.5 and 15.6.

Table 15.5 Bachelor of Health Science (Nursing)

Code	Mode of offer			
2005	Part-time, 4 semesters (January start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING4038	(20438)	Health Care Ethics	3	-
SING4039	(20439)	Legal Perspectives and Health Care	3	-
SING4048	(20448)	Nursing Knowledge and Health Care in Singapore	6	-
SING4040	(20440)	Patient/Client Education	-	3
SING4041	(20441)	Managing Resource Demands in Health Services	-	3
SING4042	(20442)	Pathophysiology A	-	3
SING4043	(20443)	Pathophysiology B	-	3
Stage total (24 credit points for Year 1)			12	12
Year 2				
SING4044	(20444)	Research Methods I	3	-
SING4045	(20445)	Research Methods II	3	-
SING4049	(20449)	Advanced Clinical Studies I	6	-
SING4046	(20446)	Sociology of Work and Organisations	-	3
SING4047	(20447)	Sociology of Patient/Practitioner Relations	-	3
SING4050	(20450)	Advanced Clinical Studies II	-	6
Stage total (24 credit points for Year 2)			12	12

Table 15.6: Bachelor of Health Science (Nursing)

Code	Mode of offer			
2015	Part-time, 4 semesters (July start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING4062	(20462)	Health Care Ethics	3	-
SING4063	(20463)	Legal Perspectives and Health Care	3	-
SING4072	(20472)	Nursing Knowledge and Health Care in Singapore	6	-
SING4064	(20464)	Patient/Client Education	-	3
SING4065	(20465)	Managing Resource Demands in Health Services	-	3
SING4066	(20466)	Pathophysiology A	-	3
SING4067	(20467)	Pathophysiology B	-	3
Stage total (24 credit points for Year 1)			12	12
Year 2				
SING4068	(20468)	Research Methods I	3	-
SING4069	(20469)	Research Methods II	3	-
SING4073	(20473)	Advanced Clinical Studies I	6	-
SING4070	(20470)	Sociology of Work and Organisations	-	3
SING4071	(20471)	Sociology of Patient/Practitioner Relations	-	3
SING4074	(20474)	Advanced Clinical Studies II	-	6
Stage total (24 credit points for Year 2)			12	12

Bachelor of Health Science (Physiotherapy)

Off-shore (Singapore based)

Admission requirements

Admission requirements are unchanged. 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.

Course outline

The course outline for the Bachelor of Health Science (Physiotherapy) course is presented in Table 15.7.

Table 15.7 Bachelor of Health Science (Physiotherapy)

Code	Mode of offer			
2006	Part-time, 2 semesters (July start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (to be first offered in July 2000)</i>				
SING4051	(20451)	Evaluation in Physiotherapy	3	
SING4052	(20452)	Topics in Physiotherapy Management	3	
SING4053	(20453)	Advanced Physiotherapy Studies	6	
Stage total (12 credit points for Year 1)			12	
<i>Elective units of study¹</i>				
SING4038	(20438)	Health Care Ethics	3	
SING4039	(20439)	Legal Perspectives and Health Care	3	
SING4040	(20440)	Patient/Client Education	3	
SING4041	(20441)	Managing Resource Demands in Health Services	3	
SING4042	(20442)	Pathophysiology A	3	
SING4043	(20443)	Pathophysiology B	3	
Total ²			12	

Notes to Table 15.7

1. Students must select four of the above elective units of study. Availability subject to enrolment and timetabling constraints.
2. Maximum credit point value for core units is 12.

Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

- i) A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with 'A level' entry;

OR

- ii) An approved Diploma in Occupational Therapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or the equivalent;

PLUS

- iii) Six months full-time fieldwork experience working as an occupational therapist;

PLUS

- iv) Currently working as an occupational therapist.

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) course is presented in Table 15.8.

Table 15.8 Bachelor of Health Sciences (Occupational Therapy)

Code	Mode of offer			
2007	Part-time, 2 semesters (July start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1 (to be first offered in July 2000)</i>				
SING4054	(20454)	Community Based Programs Development	3	
SING4055	(20455)	Managing Occupational Therapy Services	3	
SING4056	(20456)	Cognitive and Perceptual Components		3
SING4057	(20457)	Advanced Communication Techniques		3
Stage total (12 credit points for Year 1)			6	6
<i>Elective units of study*</i>				
SING4038	(20438)	Health Care Ethics	3	
SING4039	(20439)	Legal Perspectives and Health Care	3	
SING4041	(20441)	Managing Resource Demands in Health Services	3	
SING4042	(20442)	Pathophysiology A	3	
SING4043	(20443)	Pathophysiology B	3	
SING4046	(20446)	The Sociology of Work and Organizations	3	
Total			12	

Students must select four of the above units of study. Availability is subject to enrolments and timetabling constraints.

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 minimum of three years Medical Radiation Technology clinical practice after graduation.

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 15.9.

Table 15.9 Bachelor of Health Science (Medical Radiation Technology)

Code	Mode of offer			
2008	Part-time, 2 semesters (July start)			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1 (to be first offered in July 2000)				
SING4058	(20458)	Department Design and Safety Issues	3	
SING4059	(20459)	Computer Communication in Medical Radiation Technology	3	
SING4060	(20460)	Management of Equipment Selection		3
SING4061	(20461)	The Quality Perspective applied to Medical Radiation Technology		3
Stage total (12 credit points for Year 1)			6	6
Elective units of study*				
SING4038	(20438)	Health Care Ethics	3	
SING4039	(20439)	Legal Perspectives and Health Care	3	
SING4040	(20440)	Patient/Client Education	3	
SING4041	(20441)	Managing Resource Demands in Health Services	3	
SING4042	(20442)	Pathophysiology A	3	
SING4043	(20443)	Pathophysiology B	3	
SING4044	(20444)	Research Methods I	3	
SING4045	(20445)	Research Methods II	3	
SING4046	(20446)	Sociology of Work and Organisations	3	
SING4047	(20447)	Sociology of Patient/Practitioner Relations	3	
Total			12	

Students must select four of the above units of study. Availability is subject to enrolments and timetabling constraints.

Bachelor of Health Science (Medical Radiation Technology)

On-shore (Sydney based)

This program is a one year conversion course that leads to a Bachelor of Health Science (Medical Radiation Technology) degree. This course has been designed to complement the three year full-time Diploma in Medical Radiation Technology of the Nanyang Polytechnic by extending the latter's content with emphasis on critical and intellectual inquiry into the fields of Diagnostic Radiography or Radiation Therapy. Graduates of this program would not automatically be accredited by the Australian Institute of Radiography. Enquiries with regard to professional accreditation should be directed to that institute.

Admission requirements

Applicants should possess:

- i) an 'A level' entry Diploma in Medical Radiation Technology program from Nanyang Polytechnic, Singapore; OR
- ii) an equivalent award unit as approved by the Head of School, such approval may require additional areas of study.

Course outline

The course outline for the one year Bachelor of Health Science (Medical Radiation Technology) conversion course is presented in Table 15.10.

Table 15.10: Bachelor of Health Science (Medical Radiation Technology)

Course code	Mode of offer			
1830 [D]	Pass Degree:: Full-time, 1 year			
1831 [R]	Pass Degree:: Full-time, 1 year			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Common unit</i>				
BACH3068	(25366)	Behavioural Science IIIA	5	-
BACH3069	(25367)	Behavioural Science IIIB	-	3
MRTY2037	(18237)	Radiation Protection	1	-
MRTY2038	(18238)	Radiation Biology	-	1
MRTY3037	(18337)	Image Processing A	2	-
MRTY3038	(18338)	Image Processing B	-	1
MRTY3057	(18357)	Field Project A	4	-
MRTY3058	(18358)	Field Project B	-	11
Subtotal (28 credit points for Common units)			12	16
<i>Diagnostic Radiography</i>				
MRTY3039	(18339)	Sonography A	2	-
MRTY3040	(18340)	Sonography B	-	2
MRTY3041	(18341)	Imaging IIA	4	-
MRTY3042	(18342)	Imaging IIB	-	2
MRTY3043	(18343)	Radiography IIA	4	-
MRTY3044	(18344)	Radiography IIB	-	2
MRTY3032	(18332)	Radiographic Pathology II	-	2
MRTY3033	(18333)	Contrast Media	2	-
Subtotal (20 credit points for Diagnostic Radiography)			12	8
Total (48 credit points for Common units + Diagnostic Radiography)			24	24
<i>Radiation Therapy</i>				
MRTY3034	(18334)	Radiation Therapy Project	2	2
MRTY3049	(18349)	Radiation Therapy IIA	5	-
MRTY3050	(18350)	Radiation Therapy IIB	-	3
MRTY3051	(18351)	Radiotherapy Physics IIA	2	-
MRTY3052	(18352)	Radiotherapy Physics IIB	-	2
MRTY3053	(18353)	Principles of Oncology A	2	-
MRTY3054	(18354)	Principles of Oncology B	-	2
Subtotal (20 credit points for Radiation Therapy)			11	9
Total (48 credit points for Common units + Radiation Therapy)			23	25

Bachelor of Health Science (Occupational Therapy)

On-shore (Sydney based)

This is a six month full-time degree conversion course to be held in Semester 1 and inter-semester break of the academic year in the University of Sydney 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 degree. This course places emphasis on critical and intellectual inquiry with options for elective study.

Diplomates enrolling in this course will gain added value in further academic development and future professional

autonomy. They would be able to choose some topics of their liking for more indepth 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 fieldwork experience working as an occupational therapist.

Course outline

The course outlines for the Bachelor of Health Science (Occupational Therapy) course are presented in Table 15.11.

Table 15.11: Bachelor of Health Science (Occupational Therapy)

Course code	Mode of offer			
1535	Pass Course, Full-time; Semester 1 + Inter-semester break			
Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH4035	(25434)	Sociology Elective	2	
OCCP4037	(154A2)	Fieldwork Education	-	6
OCCP4038	(154A3)	Evaluation of Occupational Therapy Programs	1	2
OCCP4039	(154A4)	Elective Study	3	
OCCP4042	(154A7)	Occupational Therapy Theory & Process IVB	2	
OCCP4045	(154B0)	Occupational Therapy Theory & Process IVA	2	
OCCP4046	(154B1)	Components of Occupational Performance	4	
OCCP4047	(154B2)	Human Occupations	2	
Stage total (24 credit points)			16	8

Bachelor of Health Science (Occupational Therapy) Honours

On-shore (Sydney based)

This is a one-year full-time degree conversion course leading to the award of a Bachelor of Health Science (Occupational Therapy) Honours 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 Honours degree.

Diplomats enrolling into this proposed course will gain added value in further academic development and future professional autonomy. They would be able to choose relevant research electives for in-depth study. Furthermore, they will be eligible to enroll, after graduation, into relevant graduate courses at a later date if so desired. Students who choose to withdraw, after enrolment, from the Honours course will still be able to pass the pass degree conversion course.

Admission requirements

- Credit Grade Average attained in the three years full-time Diploma in Occupational Therapy Course of GCE 'A level' entry at the Nanyang Polytechnic;
- Six months full-time fieldwork experience as an occupational therapist prior to commencing the honours degree conversion course;
- Credit Grade Average to be attained in the first semester (the pass component) before proceeding to second semester of the honours course; and
- Admission to the honours course will be subject to the availability of appropriate supervision.

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) Honours course is presented in Table 15.11.1.

Table 15.11.1: Bachelor of Health Science (Occupational Therapy) Honours

Course code	Mode of offer			
1538	Honours Course, Full-time; 2 Semesters + Inter-semester break			
Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH4035	(25434)	Sociology Elective	2	-
OCCP3029	(15378)	Honours Research Seminar I	-	3
OCCP4019	(15442)	Honours Research Seminar II	2	2
OCCP4037	(154A2)	Fieldwork Education	-	6
OCCP4042	(154A7)	Occupational Therapy Theory & Process IVB	2	-
OCCP4046	(154B1)	Components of Occupational Performance	4	-
OCCP4047	(154B2)	Human Occupations	2	-
OCCP4049	(154B3A)	Honours Dissertation A	6	-
OCCP4050	(154B3B)	Honours Dissertation B	-	16
		Research Elective	-	3
Stage total (48 credit points)			18	24

Bachelor of Health Science (Physiotherapy)

On-shore (Sydney based)

The conversion program is one year 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.

Course outline

The course outline for the one year Bachelor of Health Science (Physiotherapy) conversion course is presented in Table 15.12.

Note: Students will normally complete all units listed in the sequence in which they appear in the handbook. Permission to alter this sequence must be obtained from the Head of School.

Table 15.12: Bachelor of Health Science (Physiotherapy)

Course code	Mode of offer			
1650	Full-time; 1 year			
Study Preparation Program -- 5 weeks pre-semester				
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Weeks 1-8 only</i>				
Audit program - Attendance strongly recommended ¹				
BACH3062	(25360)	Research Methods II: Data Analysis		
<i>Weeks 1-3 only Year 3 units</i>				
Audit program - Attendance strongly recommended ¹				
BIOS3019	(11374)	Body Systems III, lectures only		
EXSS3009	(22309)	Applied Physiology, lectures only		
PHTY3019	(16320)	Physiotherapy in Neurology II		
PHTY3022	(16323)	Topics In Physiotherapy III		
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II		
PHTY3030	(16331)	Musculoskeletal Physiotherapy III		
Standard Year 4 Program				
BACH4031	(25430)	Health, Medicine and Society	2	-
BACH4041	(25440)	Health Psychology	2	-
PHTY4016	(16444)	Physiotherapy in Neurology III	1	2
PHTY4048	(164C9)	Topics in Physiotherapy IV	-	3
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV	-	2
PHTY4056	(164F5)	Research and Investigation II	1	1
PHTY4057	(164F6)	Research and Investigation III	1	2
PHTY4059	(164F8)	Clinical Education IIIB ²	8	-
PHTY4060	(164F9)	Clinical Education IIIC ²	-	13
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III	1	1
Stage total (40 credit points for Year 4)			16	24

Notes to Table 15.12

1. These students will be considered with Group B for clinical education placements.
2. See Chapter 14 for descriptions for these units.

Units of study

BACH 3068 Behavioural Science IMA

Old code 25366. 5 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).

There are two units in this unit. The first unit on Life Stress provides students with an understanding of reactions to stress particularly in health care settings. The second unit, Introduction to Research Methods examines the research process, design and statistics applied mainly to the critical evaluation of research literature.

BACH 3069 Behavioural Science 1KB

Old code 25367. 3 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).

There are two units in this unit. The unit Health, Medicine and Society provides an analysis of the institutional aspects of medical and health care while the second unit provides an introduction to Social Psychology.

BACH 4031 Health, Medicine and Society

Old code 25430. 2 credit points

Offered: February.

This unit provides the basis for an understanding of emergent social issues relevant to physiotherapy and the relationship between health, medicine and society. It will cover health care in pre-industrial societies and the Third World, cross-cultural views of health and illness, lay and expert interpretations of health and disease, the rise of Western medicine, professionalism and bureaucratisation, health care organisations, division of labour in health care, alternative practitioners and holistic health, sexuality, the body and health, evaluating health care services and community care.

BACH 4035 Sociology Elective

Old code 25434. 2 credit points

Offered: February.

Students will be required to choose one sociology elective. Electives may include: Sociology of Ageing; Australia's Immigrant Community; Occupational Health and Rehabilitation; Media and Health; Alternative Medicine; Computer-based Resources; Community and Health Information; International Health.

BACH 4041 Health Psychology

Old code 25440. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Social Interaction, Communication and Personality BEHS 2077 (10288).

This unit looks at behaviours which affect health, illness and recovery and involves areas such as: anxiety and health, mental phobias, obsessions and compulsions, social anxiety, cognitive and behavioural management of anxiety (assertiveness, cognitive restructuring, modelling, desensitisation), pain and injury, acute and chronic pain, behavioural pain management programs, component analysis, paediatric pain, intellectual disability: diagnosis and assessment, specific cognitive impairments, behaviour problems and their management, normalisation and deinstitutionalisation; reaction to onset of illness and disability, attitudes of the able bodied and professionals to disability, strategies for changing negative attitudes, death and bereavement, medical and social aspects of childbirth, problems of particular disability groups, implications for rehabilitation.

MRTY 2037 Radiation Protection

Old code 18237.1 credit point

Offered: February.

This unit provides a study of the safe uses of ionising radiation in medicine. Issues of monitoring, shielding and Australian radiation legislation are addressed.

MRTY 2038 Radiation Biology

Old code 18238. 1 credit point

Offered: July.

This unit provides a study of the radiobiological effects of ionising radiation. Dose response, damage and repair, sensitisation and protection as well as time, dose and fractionation are all addressed.

MRTY 3032 Radiographic Pathology II

Old code 18332. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses)

Radiographic Pathology IB MRTY 2046 (18246).

This unit introduces the student to the radiographic manifestations of selected disease processes, congenital disorders and malformations in the alimentary tract, hepatobiliary, genitourinary and central nervous systems.

MRTY 3033 Contrast Media

Old code 18333. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses)

Introductory Human Biology BIOS 1084 (11193). **Corequisite:** Radiography IIA MRTY 3043 (18343), Clinical Education IIIA MRTY 3035(18335).

This unit provides the student with fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis on intravascular contrast media. The mechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY 3034 Radiation Therapy Project

Old code 18334. 2 credit points

Offered: Full Year (starts Feb). **Prerequisite:** (except Singapore

courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education IIC MRTY 2034 (18234). **Corequisite:** Behavioural Science IIIA BEHS 3073 (103C6).

NB: This unit has a value of 4 credit points for Singapore conversion courses.

This unit provides the student with the opportunity to undertake an investigative project in a specific area of applied radiation therapy. This project will develop the student's ability to work independently, with minimum supervision and introduces the student to the place of research in radiation therapy.

MRTY 3037 Image Processing A

Old code 18337. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses)

Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).

This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY 3038 Image Processing B

Old code 18338.1 credit point

Offered: July. **Prerequisite:** (except Singapore courses)

Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).

This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY 3039 Sonography A

Old code 18339. 2 credit points

Offered: February.

This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY 3040 Sonography B

Old code 18340. 2 credit points

Offered: July.

This unit extends the areas of clinical applications and practice of diagnostic ultrasound.

MRTY3041 **imaging IIA**

Old code 18341. 4 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238), Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing A MRTY 3037 (18337).

This unit complements Imaging I and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY 3042 **Imaging MB**

Old code 18342. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238) Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing B MRTY 3038 (18338).

This unit concentrates upon ensuring a study of the range of digital radiographic equipment. Quality assurance and radiation protection principles and practice are expanded further.

MRTY 3043 **Radiography IIA**

Old code 18343. 4 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335).

This unit builds upon the unit Radiography I which has discussed the radiographic techniques for general skeletal radiography. This unit develops higher order critical thinking and radiographic skills in the areas of multiple trauma, paediatric radiography, gastro-intestinal and genito-urinary contrast examinations. The unit also provides the student with a 'problem solving' approach to technically difficult radiographic examinations. Case scenarios include a variety of patient injuries, pathological diseases and physical disabilities.

MRTY 3044 **Radiography IIB**

Old code 18344. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335).

This unit provides students with knowledge of specialised radiographic imaging modalities. These include angiography, CT, MRI and other smaller areas of contrast examinations. Students will examine aspects such as patient and contrast media preparation, technical considerations and routine protocols for the specialised modalities. The appropriateness of a particular imaging modality will be discussed with respect to the diagnosis of injury or presence and extent of a disease process.

MRTY 3049 **Radiation Therapy IIA**

Old code 18349. 5 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256). **Corequisite:** (except Singapore courses) Clinical Education IIC MRTY 3030 (18330).

This is the fourth of five units which cover the principles and applications of applied radiation therapy. Advanced routine applications of radiation therapy are examined, including the incorporation of cross-axial imaging modalities into planning. Problem-based learning methods will be used in this unit.

MRTY 3050 **Radiation Therapy IIB**

Old code 18350. 3 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253). **Corequisite:** (except Singapore courses) Clinical Education IIC MRTY 3030 (18330).

This is the last of five units which cover the principles and applications of applied radiation therapy. This unit extends the study of the applications of radiation therapy into the rarer techniques and provides an introduction to the less common modalities of

brachytherapy, stereotactic radiosurgery, interoperative radiotherapy and others.

MRTY 3051 **Radiotherapy Physics IIA**

Old code 18351. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254).

This is the third of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY 3052 **Radiotherapy Physics IIB**

Old code 18352. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351).

This is the last of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY 3053 **Principles of Oncology A**

Old code 18353. 2 credit points

Offered: February. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the first of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3054 **Principles of Oncology B**

Old code 18354. 2 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the second of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3057 **Field Project A**

Old code 18357. 4 credit points

Offered: February.

This unit comprises one module on a clinically related unit such as quality assurance.

MRTY 3058 **Field Project B**

Old code 18358.11 credit points

Offered: July.

This project comprises a number of modules on clinically related unit such as department design and safety issues, and computer communication and management.

OCCP 3029 **Honours Research Seminar I**

Old code 15378. 3 credit points

Offered: July.

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**

Old code 15442. 4 credit points

Offered: Full Year (starts Feb).

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 4037 **Fieldwork Education**

Old code 154A2. 6 credit points

Offered during the Inter-semester break.

This unit has one 4-week block placement in a professional setting during the intersemester break. It aims to broaden students (who are qualified occupational therapists) perspective of occupational therapy practice and to provide them with the opportunity to gain specialised occupational therapy knowledge and skills in an area of practice, which they can take back to their country of origin.

OCCP 4038 **Evaluation of Occupational Therapy Programs**

Old code 154A3. 3 credit points

Semester 1: 1 credit point. Inter-semester: 2 credit points.

This unit gives students the opportunity to utilise beginning research skills and apply them to Program Evaluation in a clinical context. Students will identify an evaluation issue based on their Fieldwork Education placement, research the literature relative to the evaluation issue and prepare an evaluation proposal. The proposal is documented in a written report.

OCCP 4039 **Elective Study**

Old code 154A4. 3 credit points

Offered: February.

This unit provides students the opportunity to choose a relevant unit from undergraduate courses which are being offered by Schools and/or Departments of the Faculty of Health Sciences, The University of Sydney, unit to the approval of relevant Heads of Schools and/or Departments.

OCCP 4042 **Occupational Therapy Theory & Process IVB**

Old code 154A7. 2 credit points

Offered: February.

Students will have an opportunity to select one elective from a range of topic areas which may include Fieldwork Supervision, Culture, Management and Information of Technology, and Using Educational principles in Occupational Therapy.

OCCP 4045 **Occupational Therapy Theory & Process IVA**

Old code 154B0. 2 credit points

Offered: February.

Students will develop professional skills in oral and written presentation. Specifically, students will prepare and run a workshop on a skill related to community occupational therapy practice. Students will develop a teaching manual for their workshop.

OCCP 4046 **Components of Occupational Performance**

Old code 154B1. 4 credit points

Offered: February.

Advanced studies in specific areas of component performance will be undertaken in order for students to identify and critique occupational therapy analysis and intervention in specific areas of biomechanical, sensorimotor, cognitive and psychosocial performance as they underpin human occupational performance. Students will be given an opportunity to choose from several advanced inquiry units.

OCCP 4047 **Human Occupations**

Old code 154B2. 2 credit points

Offered: February.

This unit provides students with the opportunity to choose a relevant unit, e.g. Management of children with learning disorders, from Human Occupations IV (OCCP 4060).

OCCP 4049 **Honours Dissertation**

Old code 154B3A. 6 credit points

Offered: February.

This unit is designed for honours students to develop their individual research project proposal under the supervision of the

supervisor. At the end of Semester 1, each student will have prepared a written proposal and ethics application.

OCCP 4050 **Honours Dissertation**

Old code 154B3B. 16 credit points

Offered: July.

This unit is designed for honours students to develop their individual research project proposal under the supervision of the supervisor. At the end of Semester 1, each student will have prepared a written proposal and ethics application.

In Semester 2, each student will implement, under the close supervision of the supervisor, an approved project and submit a written report that normally does not exceed 20,000 words.

PHTY 4016 **Physiotherapy in Neurology III**

Old code 16444. 3 credit points

Offered: Full Year (starts Feb). Prerequisite: (except Singapore courses) Physiotherapy in Neurology II PHTY 3019 (16320).

Classes: Semester 1, 1 credit point (15 hours). Semester 2, 2 credit points (24 hours).

This unit continues to examine the theoretical base for clinical intervention encompassing an historical perspective of neurological rehabilitation. Students will further develop their skill in relation to problems associated with long-term conditions of the nervous system.

PHTY 4048 **Topics in Physiotherapy IV**

Old code 164C9. 3 credit points

Offered: July. Classes: 46 hours.

Students will continue their study of professional issues, and will explore the role of the physiotherapist in the area of ergonomics occupational health. The unit will be taught in two strands: Professional Issues and Occupational Health.

PHTY 4055 **Musculoskeletal Physiotherapy IV**

Old code 164F4. 2 credit points

Offered: July. Prerequisite: (except Singapore courses)

Musculoskeletal Physiotherapy III PHTY 3036 (16337). Classes: 32 hours.

This unit aims to further develop students' cognitive and practical skills necessary to competently manage patients presenting with more complex musculoskeletal disorders. Students will study practical and theoretical aspects of manipulative physiotherapy. This unit will enable students to integrate selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. A further aim of this unit is to continue developing the student's ability to evaluate and draw implications from the literature in the area of musculoskeletal physiotherapy.

Note: Students who have successfully completed the vertebral component of MS3 but not the paediatric component may apply to the Head of School to waive the prerequisite.

PHTY 4056 **Research and Investigation II**

Old code 164F5. 2 credit points

Offered: Full Year (starts Feb).

In this unit students learn the skills required to prepare a research proposal. Students will work in small groups with a supervisor to develop a research proposal.

PHTY 4057 **Research and Investigation III**

Old code 164F6. 3 credit points

Offered: Full Year (starts Feb).

Semester 1: 1 credit point. Semester 2: 2 credit points.

In this unit students will evaluate clinical trials in physiotherapy. Students will apply knowledge and skills gained in prior research units, as well as in the various areas of physiotherapy practice. Students will investigate an area of physiotherapy of their choice.

PHTY 4059 **Clinical Education 1MB**

Old code 164F8. 8 credit points

Offered: February. Prerequisite: (except Singapore courses)

Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029

are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIA PHTY 4079 (16410), Clinical Education IIB PHTY 4059 (164F8), Clinical Education IC PHTY 4060 (164F8). Classes: 190 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIA, IIIB or IIIC.

PHTY 4060 Clinical Education IIIC

Old code 164F9.13 credit points

Offered: July. **Prerequisite:** (except Singapore courses) Clinical Education II PHTY 3031 (16332), Musculoskeletal Physiotherapy III PHTY 3030 (16331), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IIIA PHTY 4079 (16410), Clinical Education IIIB PHTY 4059 (164F8), Clinical Education IIIC PHTY 4060 (164F9)). **Classes:** 190 hours.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IIIA, IIIB or IIIC.

PHTY 4061 Cardiopulmonary Physiotherapy III

Old code 164G0. 2 credit points

Offered: Full Year (starts Feb). **Prerequisite:** (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Applied Physiology EXSS 3009 (22309). **Classes:** Semester 1, 14 hours. Semester 2, 10 hours.

This unit aims to further develop the student's understanding of cardiopulmonary dysfunction, the scientific basis for therapeutic intervention and the process of clinical decision making. Areas that will be addressed include the management of individuals with one or more of the following disorders - chronic/acute airflow limitation, cardiovascular disorders, suppurative and infective lung diseases, restrictive lung disorders. There is an emphasis throughout the unit on self-directed learning and skills in presenting justification for clinical intervention.

SING 4008 Pathophysiology

Old code 20408. 3 credit points

This unit examines the major causative factors of disease and their relationship to the epidemiology of illness.

SING 4009 Sociology of Work and Organisations

Old code 20409. 3 credit points

This unit examines the structural and procedural aspects of organisations, using a sociological framework. There is an emphasis on the hospital as the major workplace of health care professionals, especially nurses, and addresses pertinent concerns and issues.

SING 4010 Financial Management in the Health Services

Old code 20410. 3 credit points

This unit introduces students to the financial management of hospitals and health services institutions. Topics covered include basic accounting procedures, financial and budgetary process, types of budgets, and auditing procedures. In addition the unit covers hospital accounting systems and methods of funding, hospital cost analysis and control, and clinical costing systems. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4011 Sociology of Client/Practitioner Relationships

Old code 20411. 4 credit points

This unit examines the practitioner/patient relationship within the generic professional-client model. Different sociological paradigms are applied to analyse structure, conflict, interaction, affect and social skill in the practitioner-patient relationship.

SING 4012 Health Assessment

Old code 20412. 3 credit points

This unit provides students with an understanding of the principles of health assessment and the skills necessary to undertake health history and physical examination.

SING 4013 Management in Nursing

Old code 20413. 4 credit points

This unit introduces students to theories and general principles of management and relates these to the management of health services. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas covered include total quality management, human resource management, and the management of conflict and change in the workplace.

SING 4014 Advanced Clinical Studies

Old code 20414. 4 credit points

This unit provides students with the opportunity to examine various aspects of nursing practice. Various nursing practices will be examined for their relevance and appropriateness, using knowledge from a variety of sources. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4015 Components of Occupational Performance

Old code 20415. 3 credit points

This unit examines further deficits in cognitive, sensory motor and biomechanical components of performance in order to further restore, maintain and enhance human occupational performance. Specifically, students will learn to apply existing knowledge about upper limb orthotics and physical guidance to adults and children with brain impairment.

SING 4016 Occupational Therapy Theory and Process

Old code 20416. 4 credit points

This unit consists of two parts. Part A provides students with an opportunity to develop a workshop focused around micro skills appropriate for use in community occupational therapy. The students will research and develop a workshop manual and conduct a workshop on a chosen topic. Students further develop their abilities to gather and synthesise relevant data, teach skills, and plan programs in occupational therapy. Part B provides students with an opportunity to develop management skills for occupational therapy practice. Current management theories will be reviewed and applied to occupational therapy practice.

SING 4017 Evaluation of Occupational Therapy Programs

Old code 20417. 3 credit points

This unit provides students with an understanding of the principles of program evaluation in clinical settings and an introduction to strategies of program needs assessment, process evaluation, impact and efficiency evaluation. Students have an opportunity to systematically plan, participate in and document a program evaluation. This module has fifteen non-teaching hours to enable practical application of theory taught.

Note: For descriptions of units SING 4001 to SING 4011 see previous entry under Bachelor of Health Science (Nursing) course.

SING 4021 Department Design and Safety Issues

Old code 20421. 3 credit points

This unit provides students with the opportunity to examine the physical structure of departmental design including radiation

safety. Occupational health and safety issues for staff and patients will be examined.

SING 4022 Computer Communications in Medical Radiation Technology

Old code 20422. 4 credit points

This unit provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care procedures. Concepts including PACS, DICOM, RIS, tele-radiology and record and verify systems will be discussed. This module also provides students with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation Department.

SING 4023 Management of Equipment Selection

Old code 20423. 4 credit points

This unit provides students with an understanding of equipment selection and the ongoing requirements of quality assurance programs. The needs assessment, equipment acquisition, commissioning and methods of implementing an ongoing QA program will be presented. This module has fifteen non-teaching hours to enable practical application of theory taught.

SING 4031 Pathophysiology

Old code 20431. 3 credit points

This unit examines the major causative factors of disease and their relationship to the epidemiology of illness.

SING 4032 Health Assessment

Old code 20432. 3 credit points

This unit provides students with an understanding of the principles of health assessment and the skills necessary to undertake health history and physical examination.

SING 4033 Sociology of Work and Organisations

Old code 20433. 3 credit points

This unit examines the structural and procedural aspects of organisations, using a sociological framework. There is an emphasis on the hospital as the major workplace of health care professionals, especially nurses, and addresses pertinent concerns and issues.

SING 4034 Management in Nursing

Old code 20434. 4 credit points

This unit introduces students to theories and general principles of management and relates these to the management of health services. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas covered include total quality management, human resource management, and the management of conflict and change in the workplace.

SING 4035 Sociology of Client/Practitioner Relationships

Old code 20435. 4 credit points

This unit examines the practitioner/patient relationship within the generic professional-client model. Different sociological paradigms are applied to analyse structure, conflict, interaction, affect and social skill in the practitioner-patient relationship.

SING 4036 Financial Management in the Health Services

Old code 20436. 3 credit points

This unit introduces students to the financial management of hospitals and health services institutions. Topics covered include basic accounting procedures, financial and budgetary process, types of budgets, and auditing procedures. In addition the unit covers hospital accounting systems and methods of funding, hospital cost analysis and control, and clinical costing systems. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4037 Advanced Clinical Studies

Old code 20437. 4 credit points

This unit provides students with the opportunity to examine various aspects of nursing practice. Various nursing practices will

be examined for their relevance and appropriateness, using knowledge from a variety of sources. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4038 Health Care Ethics

Old code 20438. 3 credit points

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4039 Legal Perspectives and Health Care

Old code 20439. 3 credit points

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4040 Patient/Client Education

Old code 20440. 3 credit points

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is "personally distinctive " about their own style of teaching.

SING 4041 Managing Resource Demands in Health Services

Old code 20441. 3 credit points

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4042 Pathophysiology A

Old code 20442. 3 credit points

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4043 Pathophysiology B

Old code 20443. 3 credit points

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 moni-

toring 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 4048 Nursing Knowledge and Health Care in Singapore

Old code 20448. 6 credit points

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 4051 Evaluation in Physiotherapy

Old code 20451. 3 credit points

This unit of study provides students with the knowledge and skills needed to critically evaluate clinical epidemiology research (that is, research investigating treatment effectiveness, the utility of diagnostic tests, and the causes and prognosis of disease). This knowledge and these skills can be used to improve clinical practice.

SING 4052 Topics in Physiotherapy Management

Old code 20452. 3 credit points

This unit of study module provides the student with knowledge and skills in Quality Management and Health Promotion appropriate for physiotherapy practice. It consists of two discrete components related to the delivery of physiotherapy services for the year 2000 and beyond. The first component focuses on Quality Management and the second on Health Promotion. The Quality Management component aims to explore the principles and procedures of Quality Management specifically in relation to evaluation of patient outcomes. Prior knowledge is built up in such a way as to ensure that the student will be able to evaluate physiotherapy services using valid and reliable criteria. This component provides the student with the opportunity to identify areas in which evaluation can be used to direct physiotherapy intervention; to discuss practical aspects as well as philosophical issues related to measurement of outcome; and to investigate the variety of measures used to assess clinical outcomes. The student will also explore these issues in the student's own workplace and develop a project proposal. Factors considered in determining the effectiveness of a physiotherapy service will include the direct and indirect costs of the service and the benefits gained by both individuals and the community. The Health Promotion component will provide the student with an overview of the principles and practice of health promotion which is explored within a community based framework. These principles relate to the skills a physiotherapist can offer in delivering a well planned health promotion project for a specific community group such as aging and or working populations. The student will critique a health promotion program that has been implemented in the student's community. This will provide a discussion with the other students. In analysing the Health Promotion Program the student will develop critical skills giving due consideration to the program's appropriateness for the specific group being targeted and the health problem the program is attempting to prevent.

SING 4053 Advanced Physiotherapy Studies

Old code 20453. 3 credit points

The aim of this module is to assist you in developing your clinical reasoning skills, and to apply these skills in identifying priorities in the treatment of complex cases. Where appropriate you will be encouraged to integrate your clinical management skills across the three traditional areas of physiotherapy: musculoskeletal, cardiopulmonary and neurology: This means you will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities when factors not related to the primary problems interfere with a conventional approach.

SING 4054 Community Based Programs Development

Old code 20454. 3 credit points

This unit provides students with the opportunity to understand the issues of service provision within a community context and to explore a range of strategies which underpin the development of community based programs relevant to the needs of the Singapore population. Students will have the opportunity to attend and participate in workshops, which focuses on a micro skills appropriate for use in community occupational therapy.

SING 4055 Managing Occupational Therapy Services

Old code 20455. 3 credit points

This unit provides students with the opportunity to review current managerial theories and techniques which can be applied to the planning, organising, staffing, leading and assuring quality of service of the occupational therapy services in the Singapore context.

SING 4056 Cognitive and Perceptual Components of Occupation

Old code 20456. 3 credit points

This unit will extend students' knowledge and skills relative to occupational therapy management of children and adults who have neurological conditions which affect their occupational performance. The emphasis will be on the assessment and treatment of cognitive/perceptual disorders that interfere with the performance of everyday tasks and routines.

SING 4057 Advanced Communication Techniques in Occupational Therapy

Old code 20457. 3 credit points

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 4058 Department Design and Safety Issues

Old code 20458. 3 credit points

This module provides students with the opportunity to examine the physical aspects of departmental design including ionising and non-ionising radiation safety. The importance of matching resources with requirements and for studying patient and information flow in the department will be examined. Design and importance of radiation shielding and the testing of installation sites will be reviewed. Occupational health and safety issues including comparisons of appropriate standards and guidelines for staff, patients and the general public will be examined. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

SING 4059 Computer Communication in Medical Radiation Technology

Old code 20459. 3 credit points

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 4060 Management of Equipment Selection

Old code 20460. 3 credit points

This module provides students with an understanding of equipment selection and the on-going requirements of quality assurance and quality improvement programs. The needs assessment, formulation of tender specifications and the associated justifications will be presented in the tutorial groups.

SING 4061 The Quality Perspective Applied to Medical Radiation Technology

Old code 20461. 3 credit points

This unit of study introduces the experienced radiographer and therapist to many of the current aspects of the quality perspective. It gives a foundation in the development of the quality perspective and its application to MRT and encourages the experienced radiographer and therapist to examine the management of quality in their work place. The application of quality monitoring to important routine tasks in the MRT environment is explored.

SING 4062 Health Care Ethics

Old code 20462. 3 credit points

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4063 Legal Perspectives and Health Care

Old code 20463. 3 credit points

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4064 Patient/Client Education

Old code 20464. 3 credit points

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is "personally distinctive " about their own style of teaching.

SING 4065 Managing Resource Demands in Health Services

Old code 20465. 3 credit points

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4066 Pathophysiology A

Old code 20466. 3 credit points

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate,

the normal structure and functions of the relevant body system are covered.

SING 4067 Pathophysiology B

Old code 20467. 3 credit points

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 4092 Nursing Knowledge and Health Care in Singapore

Old code 20472. 6 credit points

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.

Elective units of study

This chapter lists elective units of study available to undergraduate students throughout the Faculty. The mode of presentation varies between schools and department. 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 or department offering the specific elective. The first four characters of the unit's code represents the school or department in which the unit is taught (see Table 16.1).

Research electives

BACH 3101 Introductory Epidemiological Methods

Old code 25399. 3 credit points

Dr Kaye Brock, (02) 9351 9124

Offered: February.

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

Old code 253A0. 3 credit points

Dr Kaye Brock, (02) 9351 9124

Offered: July.

In this unit the statistics associated with measurement and validity issues involved in the search for cause/effect relationships are expanded, including analysis of confounding variables. The unit also reviews the integral role of biostatistics in the planning stage, and the data-analysis and modelling stages of epidemiological projects, particularly where categorical data are used.

BACH 4017 Epidemiological Research

Old code 25416. 3 credit points

Dr Kaye Brock, (02) 9351 9124

Offered: July.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH 4018 Evaluation Research

Old code 25417. 6 credit points

Dr Ian Hughes, (02) 9351 9582

Offered: July.

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 Scientific Methodology

Old code 25418. 3 credit points

Dr Rod Rothwell, (02) 9351 9122

Offered: February, July.

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.

BACH 4020 Action Research

Old code 25419. 6 credit points

Dr Ian Hughes, (02) 9351 9582

Offered: February.

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the internet.

BACH 4043 Intermediate Statistics

Old code 25442. 3 credit points

Dr Peter Choo, (02) 9351 9583

Offered: February. **Prerequisite:** Research Methods I BEHS 1130 (101E8) and Research Methods II BEHS 1152 (101F6), or equivalent.

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

BACH 4045 Qualitative Research Methods

Old code 25444. 3 credit points

Dr Cherry Russell, (02) 9351 9129

Offered: February, July.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of their choice throughout the semester. This unit is usually offered on Wednesdays, 4–7pm.

Table 16.1: Unit code prefixes

Prefix	Taught by	Office	Phone
BIOS	Department of Biomedical Sciences	S134	(02) 9351 9455
ORTH	School of Applied Vision Sciences	T321	(02) 9351 9250
BACH	School of Behavioural and Community Health Sciences	G101	(02) 9351 9228
CSCD	School of Communication Sciences and Disorders	B100	(02) 9351 9450
EXSS	School of Exercise and Sport Science	S140	(02) 9351 9612
HIMT	School of Health Information Management	T301	(02) 9351 9494
MRTY	School of Medical Radiation Sciences	M201	(02) 9351 9640
OCCP	School of Occupation and Leisure Sciences	M501	(02) 9351 9386
PHTY	School of Physiotherapy	O100	(02) 9351 9273
AHCD	Yooroang Garang: School of Indigenous Health Studies	T409	(02) 9351 9084

BACH 4046 Survey Research Methods

Old code 25445. 3 credit points
Ms Kate O'Loughlin, (02) 9351 9531
Offered: July.

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. This unit is usually offered on Mondays from 5 to 8 pm.

BACH 4047 Developing a Research Project

Old code 25446. 4 credit points
Ms Kate O'Loughlin, (02) 9351 9531
Offered: February, July.

NB: Also available in off-campus mode.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which 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. This unit is usually offered on Mondays from 5-8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 4071 Evidence Based Health Care Research

Old code 25470. 3 credit points
Dr Kaye Brock, (02) 9351 9124

Offered: July. **Assumed knowledge:** Research Methods I: Design. 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 the aetiology of health outcomes.

BACH 4072 Behavioural Epidemiology for Health Professionals

Old code 25471. 3 credit points
Dr Kaye Brock, (02) 9351 9124

Offered: February. **Assumed knowledge:** Research Methods I: Design.

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 for Health Professionals

Old code 25472. 3 credit points
Dr Kaye Brock, (02) 9351 9124

Offered: February. **Assumed knowledge:** Research Methods I: Design.

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 measures 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.

OCCP 4031 Single System Research Design and Evaluation Methods

Old code 15465. 3 credit points
Ms Judy Ranka, (02) 9351 9207
Offered: July.

The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opportunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recording procedures associated with single system designs; basic and advanced designs for single system evaluation and research; and visual and statistical analysis of single system data.

OCCP 4032 Research Design and Methods for Therapists

Old code 15465. 3 credit points
Ms Judy Ranka, (02) 9351 9207
Offered: February.

The purpose of this unit is to explore a variety of research designs, research methods, and related issues appropriate to applied research. The exploration will be accomplished through student led seminar discussions of selected readings and each student will develop a research proposal on a topic of their choice content will include such things as: an overview of appropriate research designs, strengths and weaknesses of abroad selection of designs and methods, reliability and validity, selection of a study population, research ethics, development of research statements and questions, proposal writing, and the use of computers and other technology in research.

OCCP 4036 Research in Occupational Therapy Clinical Practice

Old code 15465. 3 credit points
Offered: July.

Contact: Ms Judy Ranka (Ph: 9351 9207)

The purpose of this unit is for students to investigate issues in applied research and evaluation in clinical practice of occupational therapy. The unit will address historical perspectives on research in occupational therapy; common problems for research in clinical settings and procedures that are appropriate to the applied context.

Faculty electives

BACH 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points
Mr Alan Jones, (02) 9351 9590

Offered: February, July. **Prerequisite:** (or corequisite by permission) Research Methods I: Design BEHS 1129 (101E7).

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.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points

Offered: February, July. Prerequisite: Research Methods I: Design BACH 1026 (251F) or Research Method I.

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.

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: July. Prerequisite: Introduction to Health Sociology BACH 1098(25181).

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.

BACH 2022 Psychology of Work and Management

Old code 2521B. 3 credit points

Dr Barbara Adamson, (02) 9351 9579

Offered: July. Prerequisite: Social Psychology BEHS 2073 (10284) or equivalent.

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.

BACH 3055 Cognitive Neuropsychology II

Old code 25353. 3 credit points

Dr Lynn Harris, (02) 9351 9162

Offered: July. Prerequisite: (or corequisite) Cognitive Neuropsychology I BEHS 2091 (102A3).

This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH 3063 Sociology and Psychology of Organisations

Old code 25361. 4 credit points

Offered: February.

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.

BACH 3082 Sociology of the Aged and Aging

Old code 25380. 3 credit points

Dr Rosemary Cant, (02) 9351 9560

Offered: February. Prerequisite: Introduction to Health Sociology (101C2) or equivalent.

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

BIOS 1094 Fundamental Computer Skills

Old code 111 A3. 3 credit points

Offered: February.

In this unit the student is introduced to the microcomputer, and its basic operating principles and the accompanying operating environment software. In addition, an overview of the operation of the major software packages that would be of use to the practising sport scientist is given.

BIOS 1095 Data Management and Presentation

Old code 111A4. 3 credit points

Mr Ian Cathers, (02) 9351 9287

Offered: July.

This unit gives students the knowledge and skills to be able to store and manage experimental and other data using the microcomputer, to use microcomputer tools to present data and reports in an effective way, and to understand the use of computers in communications at a local, national and international level.

BIOS 3049 Hormones, Metabolism and Exercise

Old code 113A2. 4 credit points

Offered: July. Prerequisite: Biochemistry of Exercise EXSS 2003 (22203), Exercise Physiology I EXSS 2013 (22213).

This unit examines the structure and function of hormones, the regulation and response of hormones to exercise and the role hormones play in the exercise response. Particular attention is given to the role and response of hormones with respect to the specificity of exercise, environmental stress, training and clinical states such as diabetes, amenorrhoea and osteoporosis.

BIOS 4035 Sexuality for Health Professionals

Old code 112B4. 3 credit points

Dr Pat Weerakoon, (02) 9351 9256

Offered: July.

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. The unit will extend the students knowledge pertaining to sexuality in academics. Students will be encouraged to examine their attitudes towards a range of sexual behaviours and develop skills in assisting clients who have sexuality related problems.

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 be given the opportunity to explore individual interest areas in depth.

A variety of classroom activities and multimedia resources will be used. Corporative learning will be encouraged with group discussions and presentations.

It is recommended that students be in at least the second year of their professional training when they take this unit. However, students in their first year with prior tertiary training will be enrolled at the coordinators discretion. A knowledge of basic anatomy and physiology of the reproductive and sexual organs will be assumed.

BIOS 4036 Biology of Ageing

Old code 11490. 3 credit points

Dr Peter Knight, (02) 9351 9339

Offered: February. Classes: Presented in flexible mode, comprising learning packages and readings, lectures, seminar presentations.

This unit of study examines the physiological changes associated with the normal process of ageing and the decrease in functional capacity in various body systems which occurs as a result.

An emphasis is placed on the concept of 'reserve capacity' as a key factor in differentiating normal ageing from disease. The following topics are studied:

- a physiological explanation of ageing
 - the cardiovascular system
- the respiratory system
- the immune system
- the nervous system and special senses
- the musculoskeletal system
- the skin
- the renal system
- the endocrine system.

An understanding of the normal processes of ageing will help health professionals to:

- interpret the ageing experience from the point of view of the client
- understand the functional limitations which result from ageing
- develop techniques to minimise the functional effects of ageing related changes
- differentiate 'normal' from 'abnormal' ageing
- develop policies related to the care of the aged.

BIOS 4037 Applied Biology of Ageing

Old code 11491. 1 credit point

Dr Peter Knight, (02) 9351 9339

Offered: February. Corequisite: Biology of Ageing BIOS 4036 (11490). Classes: Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations.

This unit of study expands on the concepts developed in Biology of Ageing. The emphasis remains on differentiating the normal ageing process from disease.

The functional implications of the normal ageing process are examined from a biological viewpoint. The techniques used to develop and implement strategies to minimise the adverse effects of these changes will be an important theme.

There will be a particular emphasis on pharmacology in the aged.

BIOS 4038 Health, Disease and Ageing

Old code 11492. 3 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations.

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 Aspect of Disease Management

Old code 11493.1 credit point

Dr Peter Knight, (02) 9351 9339

Offered: July. Corequisite: Health, Disease and Ageing BIOS 4038 (11492). Classes: Presented in flexible mode, comprising learning packages and readings, seminar presentations.

In this unit of study, students will examine one disease of particular interest to them, and of relevance to their professional background. The unit of study will be studied with the aim of:

- identifying the range of biological effects the disease may have on the aged
- identifying strategies which may be used to minimise and manage the development of disease related changes
- identifying strategies which may be used to manage the disease related effects which have developed
- identifying strategies which may be used to minimise the incidence of the disease in the aged and the wider community who will become the aged population of the future.

BIOS 4040 Alternate Health Care in Health Professional Practice

Old code 11494. 2 credit points

Dr P. Weerakoon, (02) 9351 9256

Offered: July.

This module will allow the student to explore the alternate/complementary health care options available to clients. It will provide the students the opportunity to develop the skills to assist clients in selecting management options best suited to them.

At the end of this module the student will be in a position to:

- Identify the range of therapies known as 'alternate health care'
- Discuss the difference between 'complementary' and 'alternative' and their value in disease management
- Locate information on specific therapies
- Discuss a specific therapy with a client as relevant to their needs.

Instructional methodology will include class discussions, team work and off campus structured learning exercises. Assessment will consist of case studies and team work presentations.

BIOS 4041 Toxic Effects of Drugs and Other Chemicals

Old code 11495. 3 credit points

Dr H. Ritchie, (02) 9351 9136

Offered: July. Prerequisite: Introductory Human Biology BIOS 1054 (11158), BIOS 1068 (11176) or equivalent.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals, herbal medicines and medicines in pregnancy. The unit will have a compulsory introductory toxicology subunit plus a total of three subunits selected from the following topics: environmental pollutants, industrial exposures, side effects of traditional and herbal medicines. The unit of study will have a largely problem-based approach and will be delivered in distance mode supported by group-based tutorials on the internet.

BIOS 4042 Research into Toxic Effects of Drugs and Other Chemicals

Old code 11496. 4 credit points

Dr H. Ritchie, (02)9351 9136

Offered: July. Prerequisite: Introductory Human Biology BIOS 1054 (11158), BIOS 1068 (11176) or equivalent.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals, herbal medicines and medicines in pregnancy. The unit will have a compulsory introductory toxicology subunit plus a total of three subunits selected from the following topics: environmental pollutants, industrial exposures, side effects of traditional and herbal medicines. An additional project, on consultation with staff from Department and School and tailored specifically to the students needs, would be undertaken to complete the unit.

The unit of study will have a largely problem-based approach and will be delivered in distance mode supported by group-based tutorials on the internet.

EXSS 4003 Biological Measurement and Analysis

Old code 22404. 3 credit points

Dr Richard Smith, (02) 9351 9462

Offered: July.

This unit is a study in measurement, recording and analysis of biological signals. Concepts in the nature of biological signals, their transduction, storage and display, are presented and worked on within the students; own specific research application.

Clinical education

The term clinical education refers to the supervised practice of professional skills and it is especially appropriate to courses which are largely clinically based. Professions which offer services in a more social or a non-clinical context have adopted terms such as professional experience and fieldwork to describe supervised practice.

Clinical education is an integral part of the overall learning experience for students in all undergraduate and some graduate courses offered in the Faculty of Health Sciences. In undergraduate courses, students can expect to spend between 25-40% of their total course hours in clinical education. The purpose of clinical education is to provide students with opportunities to integrate knowledge and skills at progressively higher levels of performance and responsibility during the course. Under the supervision of qualified practitioners, students seek to apply theories and scientific findings, learned in their academic study, and develop their skills through interaction with clients and practitioners. Clinical education also provides students with situations in which to practise interpersonal skills and develop characteristics essential to productive working relationships. It also provides an opportunity for students to develop clinical reasoning skills, management skills and as well to master techniques that develop competence at the level of a beginning practitioner.

Clinical education is provided in a variety of settings reflecting the current trends for the profession concerned. The facilities include hospitals, government agencies, schools, community health centres, private health agencies, private practice, and on-campus clinics. The settings may be located in metropolitan and rural areas of New South Wales and, occasionally, interstate and overseas.

The timing and structure of clinical education will vary according to School preferences. Patterns include day-release programs during the semester, clinical simulation in the classroom, and periodic block placements.

Students should be aware of the patterns of clinical education for their course as the timing and structure of clinical education affect the exact length of courses and vacation time.

Arrangement of clinical education

Clinical education is arranged by negotiation between staff of the respective School, acting as clinical coordinators, 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 subject 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 subject 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/Department concerned, be refused permission by the Faculty to undertake or continue the Clinical Educational Fieldwork/Professional Experience) component of their award."

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. The territorial limit for this coverage is worldwide with the exception of USA and Canada where the coverage may be limited. The Properties Services Division should be advised if fieldwork is to be undertaken in USA or Canada.

Other relevant policies

The University has a personal accident policy covering postgraduate students against accidental bodily injury, providing death and capital benefits, as well as a weekly benefit whilst disabled. The Students' Representative Council of the University maintains a similar policy for undergraduates.

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.

Detailed information on this subject is contained in the documents such as *Infectious Disease and You* published by the Faculty. A copy may be obtained from the Student Administration Services Division (Cumberland).

Further information about infectious diseases is available, in confidence, from the Faculty adviser, Ms Neryla Jolly, School of Applied Vision Sciences, (02) 9351 9251.

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 coordinator for referral to the counsellor or may approach the counsellor at Cumberland directly. The counselling service at Cumberland is both free and confidential and students are encouraged to ask for help as early as possible before their placements begin. The Counsellor can also provide support for students already on placements who find they are having problems with after hours appointments or by telephone. Typical problems for students on clinic include balancing work and family, stress, interpersonal relationships, supervisor - student relations, anxiety about the workplace etc. The Counsellor is located at Room A005 in A Block and appointments can be made by using the booking sheet there or by calling the Counsellor on (02)9351 9473.

Criminal records check

All health care workers, including students who undertake clinical professional training of fieldwork in the NSW health care system, are required to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities. Depending on the nature of the offence for which a conviction has been recorded, the NSW Department of Health has the right not to accept a health care student or worker for placement in the NSW health care system.

All students in the Faculty and Health Sciences will receive, as part of their enrolment package, a form from the NSW Department of Health consenting to a criminal records check. The NSW Department of Health requires you to complete, sign and return the enclosed form directly to the NSW Department of Health as soon as possible after receipt. Failure to do so could mean non-acceptance by the NSW Department of Health for a placement to undertake clinical experience. Non-acceptance of a student under this policy could affect that student's academic progress. Accordingly, you are urged to contact the Faculty adviser if you have any concerns or if you wish to obtain a full copy of the NSW Department of Health's policy. Enquiries concerning this policy can also be directed to the Faculty adviser - Ms Neryla Jolly, phone (02) 9351 9251.

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.

School of Applied Vision Sciences

The School of Applied Vision Sciences acknowledges the following for their support in the School's clinical education program.

Public hospitals

Metropolitan

Bankstown
Blacktown
Concord Repatriation General
Coorabel
Greenwich Hospital
Liverpool

Prince of Wales, Randwick
Ryde Rehabilitation & Geriatric Service
St George, Kogarah
Sydney Eye, Sydney
The New Children's Hospital, Westmead
Westmead, Centre
Western Sydney Development Disability Service, Marsden
Campus

Country & interstate

Gosford District
Repatriation & General, Greenslopes Brisbane
Royal Brisbane

Community agencies and private organisations

Alice Betteridge School
Bondi Junction Laser Sight Centre
Campbelltown Community Health Centre
Child, Adolescent & Family Health Services, Glebe
Eye Institute, Chatswood
Laser Sight Centre, Parramatta
Penrith Community Health Centre
Royal Blind Society for NSW - Enfield, Newcastle and
Canberra
Royal Far West Children's Health Scheme, Manly
Sebban Eye Centre, Warringah
Wyong Eye Surgery

Private practitioners

S Brunner
J Cumines

Private sponsored practices

M Awad, Y Makdissi - Dr S Franks
P Britz - Drs M Manku, C Joneshart, W Porter & C Challinor
M Courtney - Drs I Goldberg & G Cohn
J Cumines - Dr Cohen
D Dinh - Dr D Sharota
Jellery-DrKChatfield
D Ferguson - Dr K Frumar
T Hoy - Dr I Goldberg
A Pryke - Dr A Hunyor
R Lang - Drs C Baker, W Barnett & Moore
T Liakos - Prof M Coronea
DrWMuntz
R Petersen - Dr S Hing
M Pourzimal - Dr R Rawson
S Sutton Dr F Martin
M Tan - Dr P Martin
L Tat - Dr P Stewart
Dr S Wine

School of Behavioural and Community Health Sciences

The School of Behavioural and Community Health Science wishes to acknowledge the following organisations for their contribution to the field experience in the Bachelor's Degree, Graduate Diploma and Master's Degree courses in Rehabilitation Counselling.

Public hospitals and community health services

Metropolitan

Blacktown Mental Health Team
Botany Community Health Centre, Mental Health Team
Chatswood Mental Health Outreach Team
Glebe Community Health Centre
Herbert St Drug and Alcohol Services
Merrylands Community Health Centre
Penrith Living Skills Centre
Royal North Shore Hospital Pain Clinic
Royal North Shore Sexual Health Clinic
Ryde Hospital and Community Health Services
Sydney Hospital Sexual Health Clinic
Westmead Hospital Brain Injury Unit

Country

Cooma Community Health Centre, Mental Health Team
Southwest Brain Injury Rehabilitation Service, Albury
Tarn worth Base Hospital

Private hospitals

St Edmonds Private Hospital
'Carrwarra' Brain Injury Unit, St John of God Hospital,
Goulburn

Commonwealth government departments and agencies**Commonwealth Rehabilitation Service****Metropolitan**

Ashfield; Bankstown; Blacktown; Darlinghurst; Dee Why;
Epping; Granville South; Granville Vocational Unit;
Hurstville; Liverpool; Maroubra; Miranda; Mt Druitt;
Parramatta; Rockdale

Country & interstate

Albury; Armidale; Dubbo; Gosford; Lismore; Maroochydore,
Qld; Moree; Newcastle; Port Macquarie; Queanbeyan;
Southport, Qld; Tamworth; Toowong, Qld; Wollongong;
Wyong

Community agencies and private organisations**Metropolitan**

Active Employment Parramatta
Amputee Association, Greenacre
ANCORW, Auburn
ARAFMI
Australia Post
Bosnian Information and Welfare Centre, Lidcombe
Burwood City Council
CARE Nautilus Project, Croydon
Combrook Pty Ltd
CMS Rehabilitation, Bankstown
Eastern Suburbs Learning Centre
Epilepsy Association
GROW
ICLA, Bondi
Life After Prison Inc, North Parramatta
Mission Employment Mt Druitt
Multiple Sclerosis Society, Lidcombe
Natcover, Sydney City
NSW Ambulance Service
NSW Police Service
Occupational Health Professionals, Wetherill Park
Ozanam
Re-Employ, Liverpool
STARTTS, Fairfield
State Transit Authority
Sydney Employment Development Service
Syd-West Personnel, Parramatta
Vocational Capacity Centre, North Sydney
Wesley Life Skills: Bankstown, Croydon Park, Granville,
Petersham
Westworks, Penrith
Women at Work
Work Directions Parramatta
Work Directions Sydney
Workers' Health Centre, Granville
Country & interstate
Blue Mountains Disability Services, Springwood
CMS Rehabilitation, Newcastle
Headway Tasmania
Joint Coal Board, Singleton
Lotus Glen Correctional Centre, Mareeba Qld
Mission Employment Katoomba
Murrumbidgee & District Occupational Health &
Rehabilitation Service, Gundagai
PEP Gosford
PEP Wyong
Royal Blind Society, Orange
Smart Rehabilitation, Wollongong

Success at Work, Hobart TAS
Workcover Bundaberg, Qld
Workcover Gympie, Qld
Workways, Canberra

School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to the clinical education program December 1998 - December 1999 of the following agencies.

Public hospitals**Metropolitan**

Balmain Hospital
Bankstown/Lidcombe Hospital
Blacktown/Mt Druitt Hospital
Braeside Hospital
Camden Hospital
Concord Hospital
Hornsby Kuringai Hospital
Lady Davidson Hospital
Liverpool BIU
Liverpool Hospital
Lottie Stewart Hospital
Mona Vale Hospital
Nepean Hospital
New Children's Hospital
Prince Henry Hospital
Prince of Wales Hospital
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital
Royal Ryde Hospital
Royal Ryde Rehabilitation
St George Hospital, Kogarah
St Josephs Hospital, Auburn
St Vincent's Hospital
Sydney Children's Hospital
War Memorial Hospital, Waverley

Country & interstate

Armidale Hospital
Bathurst Rehabilitation Unit
Broken Hill Hospital
Dubbo Base Hospital
Goulburn Hospital
Launceston Hospital
Lismore Base Hospital
Lismore/St Vincent's Hospital
Lourdes Hospital, Dubbo
Maitland Hospital
Melbourne Hospital
Orange Base Hospital
Port Kembla Hospital
Port Macquarie Hospital
Tamworth Base Hospital
Toowoomba Hospital
Warrnambool Base Hospital
Woy Woy Hospital

Overseas

Singapore General Hospital
Department of Health
Armidale Community Health Centre
Bankstown Community Health Centre
Blacktown Community Health Centre
Burwood Community Health Centre
Burwood Child & Adoles Family Centre
Canowindra/Grenfell Health Centre
Canterbury Community Health Centre
Chatswood Community Health Centre
Chatswood Therapy Resource Team
Dubbo Community Health Centre
Hornsby Community Health Centre

Hurstville Community Health Centre
Menai Community Health Centre
Merrylands Community Health Centre
Mt Druitt Community Health Centre
Peakhurst Community Health Centre
South Western Brain Injury Rehabilitation Service
Tamworth Community Health Centre
The Hills Community Health Centre
Waverley Community Health Centre

Community agencies and private organisations

Alice Betteridge School, North Rocks
Spastic Centre, Fairfield

Other organisations

Hartford Speech Therapy Dept
Broderick - Gillawarna Special School
Mater Dei Special School, Campbelltown
Shepherd Centre, NSW
St Josephs Primary School
Sutherland Special Education Support Centre

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
Blacktown District
Blacktown/Mt Druitt Health, Mt Druitt Campus
Campbelltown
Canterbury
Cumberland, Parramatta
The New Children's Hospital, Westmead
Fairfield District
Hawksbury, Windsor
Hornsby Ku-Ring-Gai Hospital & Area Health Service
Liverpool
Manly Hospital & Community Health Services
Mona Vale
Nepean Hospital Penrith
Prince of Wales, Randwick
Royal Hospital for Women, Paddington
Royal North Shore, St Leonards
Royal Prince Alfred, Camperdown
Royal Ryde Rehabilitation
Rozelle
Ryde Hospital & Ryde-Hunters Hill Area Health Service
St George, Kogarah
St Vincent's, Darlinghurst
Sutherland Hospital Caringbah
Sydney
Sacred Heart Hospice, Darlinghurst
Westmead
Repatriation General Hospital, Concord
Lady Davidson, Turramura
Sydney Children's, Randwick
St Joseph's, Auburn
St John of God, Burwood
Rachel Forster, Redfem
Country & interstate
Bathurst District
Blue Mountains District
Bowral District Hospital
Central Coast
Coffs Harbour and District Hospital
Dubbo Base
Forbes District
Gosford Hospital
John James Memorial Hospital

Launceston General, Launceston, Tasmania
Lithgow
Lismore Base
Manning Base, Taree
Orange Base
Parkes
Port Macquarie Base
Royal Darwin
Royal Newcastle
Wollongong
Camden
Cooma District
Royal Women's, Brisbane
The Canberra Hospital
Princess Alexandra Hospital, Brisbane

Overseas

Hospital Authority, Hong Kong
Green Lane National Womens Hospital, Auckland NZ
Singapore General Hospital
UCLA Medical Center, Los Angeles

Private hospitals and nursing homes

Kareena Private
Holroyd Private
The Hills Private
St George Private
St Vincent's Private, Darlinghurst
Sydney Adventist, Wahroonga
The Poplars, Epping
Mater, Crows Nest
Newcastle Mater, Waratah
Hurstville Community Cooperative, Hurstville
Strathfield Private
St Margaret's Private, Darlinghurst
The Scottish Hospital, Paddington

Government departments and agencies

Central Cancer Registry
Central Coast Area Health Service, Gosford
Central Sydney Health Service, Camperdown
Central West Regional Office, Peak Hill
Cumberland Developmental Disability Service
Department of Community & Health Services, Hobart
Department of Health (NSW), Health Statistics Unit
Hunter Area Health Service, Newcastle
National Centre for Classification in Health
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana & Far West Regional Office, Dubbo
South East Regional Office, Goulburn
South West Regional Office, Wagga

Other organisations

Commonwealth Bank Health Care of Australia
Health Information Management Association of Australia, North Ryde
NHMRC Clinical Trials Centre, The University of Sydney
Veterinary Teaching Hospital, The University of Sydney
3M Health Care Group
Rolls Manufacturing, Bondi
Prime Care Pty Ltd

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

ACT X-ray Services, Belconnen
ACT X-ray Services, Erindale
ACT X-ray Services, Queanbeyan
Alice Springs Hospital

Ashfield Medical Imaging
 Ashfield Private Hospital
 Auburn Diagnostic Centre
 Auburn District Hospital
 Bankstown District Hospital
 Bankstown Imaging Centre
 Bathurst Base Hospital
 Bega District Hospital
 Bega Valley Radiology
 Belmont Hospital
 Blacktown Diagnostic Centre
 Blacktown District Hospital
 Blacktown X Ray
 Blue Mountains District Hospital
 Border Medical Imaging
 Bourke Hospital
 Bowral Hospital
 Brindabella Imaging
 Broken Hill Hospital
 Bulli District Hospital
 Bumie Hospital
 Calvary Hospital
 Campbelltown Hospital
 Campsie Imaging
 Canterbury District Hospital
 Canterbury Medical Imaging
 Caringbah CT Scanning
 Castle Hill Radiology Centre
 Castlereagh Radiology, Mt Druitt
 Castlereagh Radiology, Penrith
 Castlereagh Radiology, Tamworth
 Castlereagh Radiology, Windsor
 Central Coast Radiology & Nuclear Medicine
 Central Queensland Medical Imaging
 Cessnock District Hospital
 City Medical Imaging
 Clarence Valley Imaging
 Coffs Harbour District Hospital
 Coffs Harbour Radiology
 Concord Repatriation General Hospital
 Cronulla X-ray
 Dee Why X-ray and CT
 Dr K Neale, Bathurst
 Dr Whistler & Lee, Nowra Community Hospital
 Dubbo Base Hospital
 Eastwood X-ray Centre
 Eldridge Radiology
 Fairfield District Hospital
 Fairfield X-ray
 Frenchs Forest X-ray
 Gosford District Hospital
 Goulburn District Hospital
 Grafton Base Hospital
 Hastings District Hospital
 Hawkesbury Hospital
 Homsby & Ku-ring-gai Hospital
 Hurstville X-Ray & Ultrasound
 Illawarra Radiology
 John Flynn Hospital
 John Hunter Hospital
 John James Hospital
 Kalgoorlie Regional Hospital
 Kempsey Hospital
 Launceston General Hospital
 Lismore Base Hospital
 Lithgow District Hospital
 Liverpool Hospital
 Macarthur Diagnostic Imaging
 Manly District Hospital
 Manning Base Hospital
 Maroubra Medical Imaging
 Maryborough Base Hospital
 Maryborough Base Hospital
 Mater Radiology & Vascular Lab
 Merrylands X-ray

Miranda Imaging
 Mona Vale Hospital
 Moree Hospital
 Mt Druitt Hospital
 National Capital Diagnostic Imaging, Deakin
 National Capital Diagnostic Imaging, Tuggeranong
 National Capital Diagnostic Imaging, Woden
 Nepean Hospital
 North Shore Medical Centre X-ray
 North West Imaging, Hornsby
 North West Radiology, Eastwood
 Orana Radiology
 Orange Base Hospital
 Parramatta Imaging
 Prince Alfred Medical Centre
 Prince Charles Hospital
 Prince of Wales Hospital and Prince of Wales Childrens
 Hospital
 Queenbeyan District Hospital
 Queensland X-ray Services Parkhaven Medical Centre
 Rayscan Imaging, Liverpool
 Rayscan, Fairfield
 Redcliffe Hospital
 Revesby X Ray Centre
 Riverstone X Ray Centre
 Riverwood X Ray Centre
 Rockhampton Hospital
 Royal Adelaide Hospital
 Royal Alexandra Hospital for Children
 Royal North Shore Hospital
 Royal Price Alfred Medical Centre
 Royal Prince Alfred Hospital
 Ryde Hospital
 Shellharbour District Hospital
 South Coast X-ray
 South West Imaging, Cabramatta
 St George Hospital
 St George Private Medical Centre
 St Vincent's Hospital
 St Vincents Launceston
 St Vincent's Private Hospital
 Strathfield Imaging Centre
 Sutherland Hospital
 Sutherland Imaging Centre
 Sydney Adventist Hospital
 Sydney Hospital
 Sydney X-ray, Maroubra
 Tamworth Base Hospital
 The Canberra Hospital
 The Hills Private Hospital
 Townsville General Hospital
 Ultrascan Auburn
 Ultrascan Mt Druitt
 Ultrascan, Campbelltown
 Ultrascan, Liverpool
 Ultrascan, Penrith
 Wagga Base Hospital
 Wentworthville X-ray and Ultrasound Centre
 Westmead Hospital
 Wetherill Park X-ray
 Wollongong Hospital
 X-ray Westmead

Nuclear Medicine

Allamander Private Hospital
 Ashley Centre
 Auburn Nuclear Medicine
 Bankstown Lidcombe Hospital
 Brisbane Waters Private Hospital
 Burwood Nuclear Medicine
 Central Coast Nuclear Medicine
 Central West Nuclear Medicine
 Dee Why Nuclear Medicine
 Diagnostic Nuclear Medicine RPAH Medical Centre
 Dubbo Private Hospital

Guy's Hospital, UK
 Holy Spirit Medical Imaging, Brisbane
 Homsby Hospital
 Hornsby Kuringai Nuclear Medicine
 Hurstville Community Cooperative Hospital
 Illawarra Nuclear Imaging
 Isotope Imaging, WA
 John Hunter Hospital, Newcastle
 John James Hospital, ACT
 Launceston General Hospital, TAS
 Liverpool Hospital
 Mater Private Hospital
 Missenden Medical Centre
 Nuclear Medicine and Ultrasound Associates, Penrith,
 Windsor, Castle Hill, Blacktown, Westmead
 North Coast Nuclear Medicine
 Nth Coast Radiology, Lismore
 Orange Base Hospital
 PET Centre, A7 RPAH
 Port Macquarie Medical Imaging Hermitage Building
 POWH
 Queensland X ray Services
 Repatriation General Hospital, Concord
 Royal North Shore Hospital
 Royal Brisbane Hospital
 Royal Perth
 Royal Prince Alfred Hospital
 RPAH Medical Centre
 Ryde Medical Centre
 Sydney Adventist Hospital
 Sir Charles Gardner Hospital, WA
 South West Nuclear Medicine
 St Andrews War Memorial Hospital, QLD
 St George Hospital
 St George Nuclear Imaging
 St George Private Hospital and Medical Centre
 St Vincent's Hospital
 Standish Medical Centre, Nowra
 Sutherland Nuclear Medicine
 The Canberra Hospital
 The New Childrens Hospital
 Wales Medical Centre, Randwick
 Western Nuclear Medicine Group, Fairfield
 Westmead Hospital
 Wollongong Hospital

Radiation Therapy

Central Coast Radiation Oncology Centre
 Illawarra Cancer Care Centre
 Joint Radiation Oncology Centre - Nepean and Westmead
 Liverpool Cancer Therapy Centre
 Prince of Wales Hospital
 Radiation Oncology of Sydney
 Royal Hobart Hospital
 Royal North Shore Hospital
 Royal Prince Alfred Hospital
 St George Cancer Care Centre
 St Vincents Hospital
 Sydney Radiotherapy and Oncology Centre

School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences wishes to acknowledge the following agencies for their valuable contribution to the 1999 fieldwork program for its students in the Bachelor of Applied Science (Leisure and Health) and the Bachelor of Applied Science (Occupational Therapy) courses.

Aged Care Assessment Team, Kurri Kurd
 Aged Community Service Team
 'Aimees' Dementia Day Care Centre - Fairfield
 Anglican Retirement Village - Castle Hill
 Ashfield Community Health Centre

Auburn Aged Day Care Centre, Auburn
 Auburn/Holroyd School Therapy Team - Guildford
 Auburn Hospital
 Aldersgate House Nuring Homes
 Allowah Babies, Dundas
 Alwyn Rehabilitation, Strathfield
 Alice Betteridge School
 Anna Maria Nursing Home, Putney
 Armon Nursing Home, Petersham
 Balmain Hospital
 Banksia House
 Bankstown Hospital
 Bankstown Community Resource Team
 Bankstown Community Health Centre
 Bankstown Department of Community Services
 Becroft Nursing Home
 Bethany Nuring Home, Eastwood
 Bethel Nursing Home, Ashfield
 Birdwood Road Day Care Centre, Georges Hall
 Blacktown District Hospital
 Blacktown City Mental Health Service
 Blacktown Community Services Centre
 Blacktown/Mt. Druitt Area Health Service
 Bossley Park Nursing Home
 Botany Community Health Centre
 Braeside Hospital
 Bridgeway House Living Skills Centre
 Brookvale Living Skills Centre
 Buckingham House - Surry Hills
 Bundara Psychiatric Rehabilitation Service
 Calvary Hospital (ACT)
 Calvery Hospital - Kogarah
 Camden District Hospital
 Campbelltown Hospital
 Campbelltown Mental Health Service
 Canterbury Area Health Service
 Canterbury Hospital
 Canterbury Intensive Community Support Services
 Caringbah Community Health Centre
 Canterbury Aged Services, Campsie
 Central Sydney Community Drug and Alcohol Service
 Centacare Early Intervention Team
 Chalmers Road Public School, Strathfield
 Chatswood Community Health
 Chatswood Community Nursing Home
 Chatswood Day Centre
 Chesalon Nursing Home, Jannali
 Chester Hill Neighbourhood Centre
 Child Health and Development Service
 Commonwealth Government Departments and Agencies
 Commonwealth Rehabilitation Service
 Community Services Centres
 Concord Hospital
 Condell Park Residential Service
 Convalescents, Camden
 Crisis Assessment and Treatment Team, Newcastle
 Croydon Living Skills Centre
 Cumberland Hospital
 Dalcross Private Hospital - Killara
 Department of Community Services
 Developmental Disability Service - Mt Druitt
 Dorothy Henderson Lodge, Marsfield
 Dickson Day Centre, ACT
 Dixson Unit Geriatric and Rehabilitation Unit - Ryde
 Dubbo Base Hospital
 Early Education Programme - Sydney City Mission
 Eastern Suburbs Private Hospital - Randwick
 Eastern Respite and Recreation
 Early Intervention Team - Waverley
 Edinglassie Retirement Village, Emu Plains
 Ellamatta Lodge, Mosman
 Endeavour Nursing Home, Springwood
 Evesham Clinic, Cremorne
 Eversleigh Hospital
 Eversleigh Hospital - Palliative Care

Fairfield District Hospital - Rehabilitation Unit
 Fairfield Living Skills
 Frank Vickery Village, Sylvania
 Frank Whiddon Masonic Homes, Glenfield
 Garrawarra Centre for Aged Care
 Gertrude About Nursing Home, Surry Hills
 Gladesville - Macquarie Hospital
 Glebe Community Care Centre
 Gowrie Village
 Governor Phillip Special Hospital - Penrith
 Government Departments and Agencies
 Graithwaite Nursing Home
 Greystanes Children's Home
 Greenwich Hospital
 Greenhouse Living Skills Centre
 Guildford Neighbourhood Centre
 Halinda School, Emerton
 Hand in Hand, Waitara
 Headway Adult Development Program - Bankstown
 Hevington House Day Care, Auburn
 Holroyd Disabilities Service
 Hornsby Ku-Ring-Gai Hospital and Area Health Service
 Hunter Aged Care Assessment Team
 Independent Living Centre
 Ingleburn Area Health
 IRS Total Injury Management - North Parramatta
 James Milson Nursing Home, Surry Hills
 John Hunter Hospital
 John Williams Therapy Centre - Wahroonga
 Kalparrin, Concord Hospital - Ward 18
 Kalinda Living Skills
 Karradji - Ryde Community Mental Health - Eastwood
 Kilbride Nursing Home, Campbelltown
 Killarney Court Hostel
 Kindilan Frail Aged & Respite Day Centre
 Lady Davidson - North Turrumurra
 Lakes Rehabilitation Team
 Laurel House - Parramatta
 Leisure World Nursing Home/Moonby House Nursing Home,
 Peakhurst
 Liverpool Department of Community Services
 Liverpool Health Service
 Liverpool Hospital
 Liverpool Living Skills
 Living Skills Centre - Wahroonga
 Lottie Stewart Hospital - Dundas
 Lower Hunter Community Health Centre
 Lower North Shore Supported Housing Services - Castlereag
 Macarthur Home Modifications, Campbelltown
 Macarthur Paediatric O.T., Camden
 Maclean CHC MacLean Hospital
 Macquarie Hospital
 Manly Hospital and Community Health Service
 Manly-Warringah Developmental Disability Service
 Marsden Centre
 Marsden Hospital
 Marsh Occupational Health
 Marrickville District School Therapy Team - Lakemba
 Mater Misericordiae Hospital - Waratah
 Mater Dei School - Camden
 Metropolitan Rehabilitation Private Hospital - Petersham
 Mobile Community Management Team
 Mona Vale Hospital and Warringah Area Health Service
 Montefiore Jewish Home
 Mt Druitt Community Health Service
 Mt Druitt Hospital
 Mount Wilga - Hornsby
 Multiple Sclerosis Society of NSW, Lidcombe
 Myrtle Cottage Group
 Neringah Hospital - Wahroonga
 Nepean Hospital - Penrith
 New Ellamatta Lodge - Mosman
 Northcott Society
 Northaven Retirement Village, Turrumurra
 Northern Beaches Community Resource Team - St Leonards
 NSW Society for Children and Young Adults with Physical
 Disabilities
 NSW Department of Sport, Recreation and Racing
 Our Lady of Consolation, Rooty Hill
 Parkdale Nursing Home, Waverley
 Pecky's Playground, Prospect
 Penrith Community Services Centre
 Prairewood Community Health Centre - Wetherill Park
 Prince Henry Hospital - Little Bay
 Prince of Wales Hospital - Randwick
 Princess Juliana Lodge
 Qualitec Ltd - Granville
 Queenscliff Health Centre - Manly
 Rachel Foster - Redfern
 Rehabilitation Module - Marrickville
 Redfem Community Health Centre
 Rehabilitation Module, Marrickville
 Rehabilitation Resource Team - Chatswood
 Resolutions Health Management - Glebe
 Restart Consulting - Double Bay
 Royal Alexandra Hospital for Children
 Royal Blind Society of NSW
 Royal North Shore Hospital - St Leonards
 Royal N.S.W. Institute of Deaf and Blind
 Royal Prince Alfred Hospital - Camperdown
 Royal Rehab Centre - Ryde
 Rozelle Hospital
 RSL Veterans'Village
 Rydalmore Centre (Western Sydney Developmental Disability
 Service)
 Ryde Hospital and Ryde-Hunters Hill Area Health Service
 Ryde Rehabilitation Centre
 St George (Sacred Heart Hospice)
 St George Division of Mental Health
 St George Hospital - Kogarah
 St George Living Skills
 St George School, Rockdale
 St Joseph's - Auburn
 St Kevins School - Dee Why
 St Vincent's Hospital - Darlinghurst
 Sans Souci Retirement Hostel
 Sacred Hearts Hospice
 Sailability Australia
 Shalom Hostel and Nursing Home for Aged, Marsfield
 Sir Eric Woodward Special School
 South Sydney Hospital
 Southern Cross Homes, Merrylands
 Southcare - Miranda
 Southcare Community Rehabilitation Team - Sutherland
 Spastic Centre of NSW
 Stockton Centre
 Strickland Villa, Prince of Wales Hospital
 Sutherland Community Rehabilitation Team
 Sutherland Hospital
 Sutherland Living Skills Centre
 Sydney Hospital Hand Unit
 Sydney Hospital Occupational Health & Safety
 Sylvania Community Health Centre
 Sylvania School, Kirrawee
 Technical Aid to the Disabled - Ryde
 The Autistic Association
 The Clubhouse, Balgowlah
 The Cottage Family Care Centre - Campbelltown
 The Hills Community Health Centre - Castle Hill
 The Hills District School for Special Purposes, Northmead
 The Greenhouse - East Sydney
 The Palms Nursing Home, Kirrawee
 The New Children's Hospital, Westmead
 Total Rehabilitation Service
 Trentham Nursing Home, Willoughby
 Tuggeranong Seniors Centre
 Wade-Lyn Nursing Home, Hurstville
 War Memorial - Waverley
 Waratah Nepean Developmental Disability Service
 Waverley Community Health Centre

Waratah Nepean Developmental Disability Service (Hunter Equipment Service)
 Waratah Orthopaedic School
 Weemala, Ryde Rehabilitation Hospital
 Weeroonga Training, Recreation & Resource Centre - Brookvale
 Western Area Adolescent Assessment Team - Mt Druitt
 Wesley Gardens Retirement Village, Belrose
 Wesley - Ashfield
 Westmead Hospital
 Wicks Living Skills Centre
 Wontama Day Centre
 Yallambi Nursing Home for Aged Ladies
 Yarrawarra Living Skills Centre - Bankstown

Community agencies and private organisations

Country

ACT Rehabilitation Service
 Aged Care Assessment Team, Kurd Kurd
 Aged Care Advisory Service - Wagga Wagga
 Albury Base Hospital
 Albury Mercy Hospital
 Albury Community Health
 Anne Crane (Private Practice) - Bonville (Coffs Harbour)
 Armidale Community Services Centre
 Armidale and New England Hospital
 Ballina Hospital
 Baringa - Fairy meadow
 Baringa Private Rehabilitation Hospital - Coffs Harbour
 Bathurst Brain Injury Unit
 Bathurst Rehabilitation Centre
 Bathurst Aged Care Team
 Bega Community Health Centre
 Belconnen Health Centre, ACT
 Bellingen River and District Hospital
 Belmont District Hospital
 Berkley Vale Private Hospital
 Blue Mountains District Memorial
 Blue Mountains District Health Service
 Bowral & District
 Bowral Community Health Centre
 Bulli Community Health Centre
 Broken Hill Base Hospital
 Byron Bay Primary Care
 Calvary Hospital ACT (Inc)
 Camden District Hospital
 Campbell Hospital - North Coast - Coraki
 Campbelltown Hospital
 Canberra Occupational Therapy Services
 Carrington Centennial Hospital
 Casino Community Health Centre
 Central Coast Area Health Service
 Cessnock Base Hospital
 Civic Regional Unit -ACT
 Coffs Harbour Base Hospital
 Coledale District Hospital
 Commonwealth Rehabilitation Service
 Cootamundra Hospital
 Coorabel Hospital
 Cowra District Hospital
 Crisis Assessment and Treatment Team - Newcastle
 Child Assessment & Intervention Team "Kids Cottage"
 Child Development Unit - Goulburn
 Coffs Harbour Rehabilitation
 Community Disability Service -ACT
 Community Medicine Services - Toowoomba
 Community Mental Health - Goulburn Base Hospital
 Community Resource Team
 Community Service Centre - Lismore
 Cooma Hospital
 Department of Community Services
 Department of Family Services - Toowoomba
 Doc's - Glen Innes
 Deniliquin Community Health
 Department of Social Security - Coffs Harbour

Dickson Day Centre - ACT (Dickson Seniors Network)
 Dubbo Community Health Centre
 Eastlakes Community Health Centre - Windale
 Extended Care - Orange
 Figtree School - WoUongong
 Fred McKay Day Care Centre - Alice Springs
 Finley Community Health
 Forbes District Hospital
 Glen Innes Community Health Centre
 Goulburn Base Hospital
 Griffith Base Hospital
 Gunnedah District Hospital
 Hastings District Hospital
 Hastings District Health Services
 Hevington House Special Day Care
 Hunter Rehabilitation Service - New Lambton
 'Homeleigh' - WoUongong C wealth Rehab. Service
 Worksite O/T - The Junction
 Health Centre - New Town (TAS)
 Hobart Repat & General Hospital - Battery Point (TAS)
 Interact Injury Management - Orange
 IUawarra Occupational Health - WoUongong
 IUawarra Child Development Centre - North WoUongong
 IUawarra Regional Hospital (Port Kembla Campus)
 IUawarra Regional Hospital (WoUongong Campus)
 Individual Development Centre - Balgownie
 IRS Total Injury Management - Orange
 IRS - Hamilton
 IRS-WoUongong
 IRS - Perth
 James Fletcher Hospital - Newcastle
 John Hunter, Hospital
 Joint Coal Board - Warners Bay, Singleton
 Katoomba Area Health Centre
 Kempsey District Hospital
 Kiama District Hospital
 Kiama Health Support Service
 Kirra Centre-ACT
 Kurpinta Living Skills Centre - Newcastle
 Kurri Kurri
 Launceston General Hospital
 Lawrence Hargrave Hospital - Thirroul
 Lincoln School of Health Services - Carlton - Victoria
 Lismore Base Hospital
 Lismore Living Skills Centre
 Lithgow District Hospital
 Lourdes - Dubbo
 Macksville Hospital
 Maitland Hospital
 Mandala Clinic - Central Coast
 Maneen House Living Skills Centre - Mangerton
 Mater Misericordiae Hospital - Sth Brisbane
 Mental Health Team - Albury
 Mercy Care - Young
 Mercy Hospital -Albury
 Metropolitan Reception Prison - Coburg
 Mobile Community Management Team
 Molong Community Health Centre
 Moree District Hospital
 Moruya Community Health
 Mullumbimby Primary Care
 Muswellbrook District
 Nelson Bay Community Health
 Nepean School Age Therapy Team - Penrith
 North Gosford Private Hospital
 Newcastle East Community Health Service - Newcastle
 Noah's Ark - Nowra
 Northern Territory Student Services - Darwin
 Nowra Community Hospital
 Orana Community Health Centre, Dubbo
 Orange Base Hospital
 Pambula Community Health
 Parkes Hospital
 'Peacock' - North Hobart
 Port Macquarie

Psychiatric Rehabilitation Service-ACT
 QEII Jubilee Hospital - Sunnybank
 Queanbeyan District Hospital
 Rankin Park
 Riverland Community Health Services - Berri
 Royal Adelaide, South Australia
 Royal Children's Hospital - Parkville
 Royal Hobart Hospital
 Royal Park Psychiatric Hospital - Parkville
 Royal Newcastle Hospital
 Shellharbour Hospital - Mt Warrigal
 Shoalhaven District Memorial Hospital - Nowra
 Soldiers Memorial Hospital - Canowindra
 South Coast Workers' Medical Centre - Wollongong
 Specialist Adult Health Services - Casuarina
 Stanbridge, White & Associates - Wagga Wagga
 St John of God Hospital - Goulburn
 St Vincents Hospital - Lismore
 Stuart Centre - Valentine
 Tamworth Base Hospital
 Tangara School for Special Purposes - Mittagong
 Territory Health Services - Casuarina
 The Campbell Hospital
 Toowoomba General Hospital - Queensland
 Toowoomba Intellectual Disability Services
 Townsville General Hospital
 Tweed Heads District Hospital & Health Services
 Tuggeranong Seniors Centre
 Tumut Community Health
 University of Queensland - St Lucia
 Wagga Wagga Base Hospital
 War Memorial Hospital - Cudal
 Wellington District Hospital
 Wingham Assessment & Rehabilitation
 Woden Valley Hospital
 Wodonga District Hospital
 Wolston Park Hospital - Walcol
 Woodstock Centre - Lavington
Overseas
 Astley Ainslie Hospital Edinburgh - Scotland
 Department of Rehabilitation - National University Hospital - Singapore
 Duchess of Kent Children's Hospital - Hong Kong
 Leicester Royal Infirmary - England
 Margaret Drive Special School - Singapore
 Michigan Hand Rehabilitation Centre - USA
 Nether Edge Hospital - Sheffield - England
 Pinderfields General Hospital - England
 St Joseph Hospital - USA
 Scottish Hospital
 Scottish Hospital, Aged Care Centre
 The Arthritis Society - Vancouver, Canada
 Woodbridge Hospital - Singapore

School of Physiotherapy

The School of Physiotherapy wishes to acknowledge the vital function performed by physiotherapists who undertake the clinical education of its undergraduate students. These clinical educators are located in clinical units in New South Wales and interstate.

Public hospitals

Metropolitan

Auburn
 Balmain
 Bankstown-Lidcombe
 Blacktown
 Blue Mountains District Anzac Memorial Hospital
 Braeside
 Calvary Rehabilitation & Geriatric Services (Kogarah)
 Camden
 Campbelltown
 Canterbury

Concord
 Fairfield
 Greenwich
 Hornsby Kuring-Gai Hospital & Area Health Service
 Lady Davidson, North Turrumurra
 Liverpool
 Lottie Stewart
 Manly Hospital & Community Health Service
 Mt Druitt
 Mona Vale
 Nepean Hospital
 New Children's Hospital
 Prince Henry, Little Bay
 Prince of Wales, Randwick
 Rachel Forster, Redfern
 Royal Hospital for Women, Randwick
 Royal North Shore, St Leonards
 Royal Prince Alfred, Camperdown
 Royal Rehabilitation Centre
 Royal South Sydney Hospital
 Ryde
 St George, Kogarah
 St Josephs, Auburn
 St Vincent's, Darlinghurst
 Sutherland Hospital, Caringbah
 Sydney
 Sydney Childrens Hospital
 War Memorial, Waverley
 Westmead
Non-Sydney
 Albury Base
 Armidale and New England
 Ballina Community Health
 Bathurst Base
 Broken Hill Base Hospital
 Bulli District
 Bundaberg Base Hospital
 Calvary Hospital, Canberra
 Canowindra Soldiers Memorial Hospital
 Coffs Harbour and District
 Coledale District
 Condobolin District
 Cooma Base
 Dubbo Base
 Forbes
 Gold Coast Hospital
 Gosford District
 Goulburn Base
 Griffith Base
 'Homeleigh' Wollongong Community Rehabilitation Centre
 Hunter Rehabilitation Service
 Illawarra Regional Hospital (Wollongong and Port Kembla Campuses)
 John Hunter
 Kempsey
 Launceston General Hospital
 Lawrence Hargrave Hospital
 Lismore
 Lithgow
 Maitland
 Manning Base, Taree
 Mater Misericordiae, Newcastle
 Mercy Care Centre, Young
 Mercy Hospital - Albury
 Mildura Base Hospital
 Mudgee District
 Murwillumbah District Hospital
 Orange Base
 Parkes
 Port Macquarie & Hastings District
 Repatriation General, Hobart
 Royal Darwin Hospital
 Royal Newcastle Hospital
 Shellharbour
 Shoalhaven District Memorial, Nowra

St Vincent's, Lismore
Tamworth Base
The Canberra Hospital
Townsville General Hospital
Tweed Heads
Wagga Wagga Base
William Lyne Day Hospital
Woy Woy
Wyalong District
Wyong District
Yarram and District Health Service

Private hospitals and nursing homes

Metropolitan Rehabilitation Hospital
Mt Wilga Private Hospital
North Shore Private Hospital
Sacred Heart Hospice
Sydney Adventist Hospital
Tamara Private Hospital

Commonwealth government departments and agencies

ACT Community and Health Department (Infant and Child Services)
Commonwealth Rehabilitation Service
HMAS Penguin
RAAF Richmond
1st Field Hospital

State government department and agencies

Department of Community Services - Penrith, Richmond, St Mary's

Community agencies and private organisations

Anglican Retirement Villages (MOWLL)
Community Aged Care Services
Cumberland Health & Research Centre
Hawkesbury District Health Service
Multiple Sclerosis Society of NSW (Lidcombe)
Royal Institute for Deaf & Blind Children - The Alice Betteridge School
Southern Sydney Early Intervention Service
Spastic Centre (Ryde, Allambie Heights, Carlingford, North Ryde, Prairiewood)

Private practitioners

Albert Alonso
David Bick
Sandra Bloxham
Malcolm Browne
Peter Buffon and Denny Shearwood
Mark & Sally Cassidy
Sue Cockcroft & Melinda Johnson
Maria De Sousa & Heather Marr-Wyllie
Gary Eastburn & Margaret Eastburn
Sally Ewin
Tony Gibson
Beverley Giovanelli & Kenneth Raupach
Julie Godfrey & Margaret Banff
James Hardy
Stephen Hill
Kate Hoogervost & Melody Martin
Suzanne Jones
Peter Knapman & Mary Knapman
Sue Lovelock
Jenny McConnell
Gaetano Milazzo
Craig Nicholson
Louise O'Connor & Roger Fitzgerald
Grant Pleffer
Tracey Powell & Christopher McKenna
Jeff Pross
Phillip Richardson & Francis Crossle
John Roberts
Keiran Rooney

Greg Sheather
Elizabeth Steet & Mark Bevan
Colin Thompson
Martin Todd-Smith
Lisa Tomlinson-Alonso
Beverley Trevithick
Charles Tzannes
Graham Vankan & Jenny Aiken
Gordon Waddington & David Pearson
Hilary Waldman
Joel Werman
University of Sydney
University of Sydney Pain Management and Research Centre
- Royal North Shore Hospital

Yooroang Garang: School of Indigenous Health Studies

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Aboriginal health and community development

Hospitals

Aboriginal and Islander Health, Townsville, QLD
Anton Breinl Centre, Townsville, NSW
Banksia Mental Health Unit, Tamworth Hospital, Tamworth, NSW
Department of Social Work, Royal Alexander Hospital, Camperdown, NSW
Illawarra Area Health Service, Wollongong, NSW
MacQuarie Health, Dubbo, NSW
McQuarie Mental Health Service, East Dubbo, NSW
Narrabri Hospital, Narrabri, NSW
North West Health Service, Tamworth, NSW
Northern Regional Health Authority, Townsville, QLD
Rozelle Hospital, Leichhardt, NSW
Sacred Heart Hospice, Darlinghurst, NSW

Land councils

Gandagarra Land Council, Canley Vale, NSW
Merrimans Local Aboriginal Land Council, Via Narooma, NSW
NSW Aboriginal Lands Council, Parramatta, NSW
Pilliga Aboriginal Lands Council, Pilliga, NSW
Ulladulla Local Aboriginal Lands Council, Ulladulla, NSW

Aboriginal medical services

Aboriginal Medical Service (Nowra), Nowra, NSW
Arunga Health, Matraville, NSW
Awabakal Medical Service, Broadmeadow, NSW
Biripi Aboriginal Medical Service, Taree, NSW
Bourke Aboriginal Medical Service, Bourke, NSW
Brewarrina Aboriginal Health Service, Brewarrina, NSW
Daruk Aboriginal Community Controlled Medical Service, Mt Druitt, NSW
Durri Aboriginal Medical Service, Kempsey, NSW
Kimberly Aboriginal Medical Service, Broome, WA
Narrabri Aboriginal Health, Narrabri, NSW
Pika Wiya Health Service Inc., Port Augusta, SA
Redfern Aboriginal Medical Service, Redfern, NSW
Tharawal Aboriginal Medical Service, Campbelltown, NSW
Urapuntje Health Services, Utopia via Alice Springs, NT
Walgett Aboriginal Medical Service, Walgett, NSW
Wellington Aboriginal Medical Service, Wellington, NSW
Wuchoppen Medical Service, Cairns, QLD

Community health centres

Aboriginal & Islander Community Health Centre, North Stradbroke Island, QLD
 Aboriginal and Islander Community Health Service, Brisbane, Woolloongabba, QLD
 Aboriginal and Islander Community Health Service Ipswich, Ipswich, QLD
 Aboriginal Community Health, Redfern, NSW
 Bega Community Health, Bega, NSW
 Community and Allied Health Services, Liverpool, NSW
 Community Health Centre, Kempsey, NSW
 Community Health Centre, Moruya, NSW
 Community Health Centre, Warrarong, NSW
 Community Health Tweed Heads, Tweed Heads, NSW
 Community Health, Eden, NSW
 Community Health, Thursday Island, QLD
 Darlinghurst Community Health, Darlinghurst, NSW
 Early Childhood Centre, Glebe, NSW
 Griffith Community Health Centre, Griffith, NSW
 Hoxton Park Community Health Centre, Hoxton Park, NSW
 Macksville Community, Macksville, NSW
 Narooma Community Health, Narooma, NSW
 Orana Far West Region Community Health, Dubbo, NSW
 Primary Health Care, Coffs Harbour, NSW
 Primary Health Services, Coffs Harbour, NSW
 St Pauls Community Health, via Thursday Island, QLD
 Thursday Island Community Health, Thursday Island, QLD
 Toomelah Health Centre, Boggabilla, NSW
 Townsville Aboriginal and Islander Community Health Service, Townsville, QLD
 Tumet Community Health, Tumet, NSW
 Wagga Community Health Centre, Wagga Wagga, NSW
 Walhallow Primary Health Post, Caroon, NSW

Drug and alcohol services

Aboriginal Coordinating Council, Cairns, QLD
 Bennalong Haven, Kinchela, NSW
 Doonoch, Nowra, NSW
 MASH, Moree, NSW
 Moree Aboriginal Sobriety House Aboriginal Corporation, Moree, NSW
 Oolong Aboriginal Corporation, Nowra, NSW
 Orana Haven Aboriginal Corporation, Brewarrina, NSW
 Tara Lodge, James Flecher Hospital, Newcastle, NSW

Aboriginal corporations

Aboriginal and Torres Strait Islander Corporation for Women, Woolloongabba, QLD
 Aboriginal Corporation for Homeless and Rehabilitation Services, Summerhill, NSW
 Basin Flat Cottage, Via West Kempsey, NSW
 Batemans Bay Aboriginal Corporation, Batemans Bay, NSW
 Blacktown Aboriginal Corporation, Blacktown, NSW
 Boree Aboriginal Corporation, Orange, NSW
 Broken Bay Aboriginal Corporation, Wyong, NSW
 Bulgarr Ngaru Medical Aboriginal Corporation, Grafton, NSW
 Campbelltown and District Aboriginal Corporation, Campbelltown, NSW
 Central Southern Aboriginal Corporation for Management and Accounting Services, Wagga Wagga, NSW
 Eastern Zone Gujaga Aboriginal Corporation, MatraviUe, NSW
 Gadigal Information Services, Aboriginal Corporation, Strawberry Hills, NSW
 Illawarra Aboriginal Medical Service Aboriginal Corporation, Wollongong, NSW
 Ivanhoe Aboriginal Corporation, Ivanhoe, NSW
 Kalumburu Aboriginal Corporation, Kimberely, WA
 Katungul Aboriginal Corporation (Community and Medical Services), Narooma, NSW
 La Prouse Community Development Corporation, MatraviUe, NSW
 Munjuwa Aboriginal Corporation, Queanbeyan, NSW

Riverina Medical and Dental Aboriginal Corporation, Wagga Wagga, NSW
 St Clair Aboriginal Corporation, Singleton, NSW
 Twofold Aboriginal Corporation, Eden, NSW
 Urimbirra Aboriginal Corporation, Bonnyrigg, NSW
 Wagga Advancement Aboriginal Corporation, Wagga Wagga, NSW
 Waminda South Coast Women's Health Aboriginal Corporation, Nowra, NSW
 Weimija Aboriginal Corporation, Broken Hill South, NSW
 Willow Bend Aboriginal Corporation, Condobolin, NSW
 Wreck Bay Aboriginal Corporation, ACT
 Yarrawarra Aboriginal Corporation, Coffs Harbour, NSW

Aboriginal organisations

Aboriginal and Islander Child Care, Brisbane, QLD
 Aboriginal and Islander Health Workers Journal, MatraviUe, NSW
 Aboriginal Birthing Project, Port Augusta, SA
 Aboriginal Business Enterprise Centre, Randwick, NSW
 Aboriginal Dance Theatre, Strawberry Hills, NSW
 Aboriginal Family Care Community Organisation, Bodalla, NSW
 Aboriginal Hostels, Darlinghurst, NSW
 Aboriginal Housing Company, Strawberry Hills, NSW
 Aboriginal Legal Service, Blacktown, NSW
 Aboriginal Legal Service, Strawberry Hills, NSW
 Aboriginal Media Unit, Surry Hills, NSW
 Aboriginal Student Support Parent Association Committee, Batemans Bay, NSW
 ATSIC, Dubbo, NSW
 Barriekneal Housing Company, Lightning Ridge, NSW
 Batemans Bay Koori Centre, Batemans Bay, NSW
 Bodella Aboriginal Housing Company LTD, Bodella, NSW
 Boomanulla Oval, Narrabundah, ACT
 Browns Flat Aboriginal Corporation, Nowra, NSW
 Central Coast Aboriginal Health Action Group, Gosford, NSW
 Cobar Aboriginal Advancement Association, Cobar, NSW
 Gullama Aboriginal Services Centre, Alexandria, NSW
 Gunaana Inc, Dubbo, NSW
 Illawara United Aboriginal Corporation for Sport and Recreation, Wollongong, NSW
 Innovative Youth Programme, Woolloongabba, QLD
 Karringal Youth Crisis Centre, Croydon, NSW
 Korri Aged Community Care, Narooma, NSW
 Moree Aboriginal Legal Service, Moree, NSW
 Mundarra Aboriginal Youth Service, Mt. Druitt, NSW
 Murawina Mt. Druitt Aboriginal Child Care Program, Mt Druitt, NSW
 Murawina Multi Purpose Aboriginal Education Centre, Redfern, NSW
 Pjunju, Minto, NSW
 Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
 Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
 Rose Mumbler Village, Nowra, NSW
 South Coast Aboriginal Centre, Nowra, NSW
 South Coast Aboriginal Centre, Nowra, NSW
 South Coast Aboriginal Legal Service, Nowra, NSW
 South Coast Youth Movement Aboriginal Corporation, Nowra, NSW
 Sydney Institute of Technology Eora Centre for Aboriginal Studies - Visual and Performing Arts, Chippendale, NSW
 Towri Multi Functional Aboriginal Children's Service Centre, Bathurst, NSW
 Wee Waa CDEP, Wee Waa, NSW
 Wunabiri Pre-School Kindergarten, Surry Hills, NSW
 Yalga Bimbi, Cairns, QLD
 Yinganeh Womens Refuge, South Lismore, NSW

Community organisations & services

A Woman's Place, Potts Point, NSW
 Aboriginal and Torres Strait Islander Commission State Office, Sydney, NSW
 Aboriginal Children's Service, Redfern, NSW

Aboriginal Childrens Service (St Marys Branch), St Marys, NSW
Aboriginal Health Resource Co-op Ltd, Strawberry Hills, NSW
Aboriginal Health, North Sydney, NSW
Amaru Skill Share Provider, Campbelltown, NSW
Armidale Shelter, Armidale, NSW
Australian Museum, Sydney, NSW
Campbelltown Police Station, Campbelltown, NSW
Central Coast Division of General Practice, Gosford South, NSW
Department of Social Services, Nowra, NSW
Home Care Dubbo, Dubbo, NSW
Home Care Service, Armidale, NSW
Home Care, Central Coast Branch, Wyong, NSW
Home Care, Mt. Druitt, NSW
Kirketon Road Centre, Kings Cross, NSW
Koori Unit, SBS Television, Crows Nest, NSW
Marcia's Woman's Refuge, Campbelltown, NSW
NSW Police Service, North Region, Gosford, NSW
NSW Police Service, North West Region, Parramatta, NSW
NSW Police Service, South Region, Erskinville, NSW
Police Citizens Youth Club, Waterloo, NSW
Police Koori Network, Liverpool, NSW
Skillshare, Moruya, NSW
Southern Womens' Housing, Bega, NSW

Ministerial office

Dr Andrew Refshauge, Minister for Aboriginal Affairs, North Sydney, NSW

Facilities and services

Bookshop

The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the Student Guild, the Bookshop holds all prescribed texts and various stationery and software items. Enquiries can be made on (02) 9351 9484 or (02) 9646 5335, fax (02) 9646 2495, email cland@mail.coop-bookshop.com.au.

Childcare: Ngallia

Ngallia, the on-campus child care centre for children aged between 6 weeks and 6 years is available. For further information call (02) 9749 7575 between 1 and 3 pm.

Counselling service

A counselling service is provided through Student Welfare Services to assist students who wish to discuss concerns of a personal, academic or vocational nature. The service is free and confidential. The Counsellor, a counselling psychologist, is located in A005 in A Block. Students who wish to make an appointment with the Counsellor can phone (02) 9351 9473, or book an appointment directly by writing in a time slot on the door. Appointments outside normal hours are available for students on clinical placements or who are studying part-time. Students can also arrange to see a counsellor at the Counselling Service on the Camperdown campus by calling (02)93512228.

Credit Union facilities

The Unicom Credit Union Ltd has an agency with an automatic teller machine on campus. The agency is open on Thursdays, between 12 noon and 2 pm.

Cumberland Student Guild

At enrolment all students pay for membership to the Student Guild, a student support organization. The Guild is controlled by a 13 member Management Committee (MC), elected annually by the student body. The MC is responsible for determining the services and facilities provided by the Guild to Cumberland students. All Cumberland students, as financial members of the Guild, are eligible for election. Elections are held in September of each year with the new Committee taking effect at the beginning of the next year. A four member Executive Committee is elected by and from the Management Committee.

Guild facilities

Facilities provided on campus by the Guild include:

- Guild Cafeteria.
- JDV Coffee Shop and Bar.
- Guild Service Centre (Agent for Australia Post)
- Computer Lab and Photocopy Centre
- Guild Sports Centre
 - Food and drink vending machines around campus
- Retail Shop

Guild office

Advice on Guild services and facilities is available at the Guild Office located at the top floor of the Guild building, open daily during semester from 9 am to 4.30 pm. Enquiries can be made on (02) 9351 9970, or fax (02) 9351 9971.

Student resources and support services

These include:

- The Resource Officer located on level 3, Guild Building, helps with Youth Allowance and Austudy matters, academic appeals including Show Cause submissions, as well as welfare matters.

- The Sports Officer, who manages the Sports Centre, organizes a wide range of lunchtime recreational events and also provides support for the Guild affiliated clubs and societies. Those interested in forming a special interest group should obtain the Clubs and Societies Manual from the Guild Office.
- Subsidies towards costs of students attending conferences directly related to courses of study and those selected as sports representatives at State or National level.
- Conduct of research projects related to academic issues affecting students.
- Publications such as *Signature*, the student newspaper, *Corpus Collosum*, the Clubs and Societies Manual and the Student Guild Diary.
- The Guild web site is located at www.csg.org.au and offers further details on the many services mentioned above. Alternatively the Guild can be emailed at contact@csg.org.au.

Further details of Guild facilities and services are in the Cumberland Student Guild Diary issued to students in Orientation Week and also available at the Guild Office.

Camperdown Campus Arrangement

As Guild members, Cumberland students can access either SUPRA (postgraduates) or SRC (undergraduates) on Camperdown Campus and claim associate membership of the relevant sports association, either SUWSA (women) or MSU (men).

Disability services

Students with disabilities or other special needs are assisted by the Disabilities Officer, Student Welfare Services. The Faculty has numerous resources to assist students, and a professional interest and commitment to provide high quality services. Consultations are confidential.

Students with disabilities are strongly advised to inform University staff of their needs as early as possible each academic year. A disability might be apparent or invisible, and might range from very slight to severe. It could be a physical, sensory, psychological, medical, or learning disability, or a combination of these. Students can experience difficulty meeting their educational commitments because of the educational disadvantage created by a disability. A variety of support services are available including notetakers, scribes, special examination arrangements, library facilities including the Special Study Room, and equipment for use and loan. Such assistance can minimise the disadvantage that might otherwise occur.

In the first instance, students are invited to contact Student Welfare Services on (02) 9351 9638 or (02) 9351 9081 for a consultation on what support services they need, for information on what assistance is available, and for guidance on University procedures. Students may wish to have a confidential discussion initially with the student counsellor by telephoning directly on (02) 9351 9473.

English language tuition

The tutors who work in the Language and Learning Unit of Student Welfare Services provide supplementary and concurrent tuition in English for Academic Purposes and English for Clinical Placements for any student enrolled on Cumberland campus. This service is in the form of weekly lunchtime workshops and one-to-one tutorials and is particularly valuable for both international and local students whose first language is not English. Preparatory courses are offered to students who have accepted a place in the Faculty in January-February prior to the start of the academic year. The Language and Learning Unit tutors are also trained in cross-cultural communication. This enables them to assist native speakers of English (staff or students) in communicating clearly with those who speak English as a second language. The above services are only for enrolled students. Applicants who require preparatory courses to raise their English language proficiency to a level high enough to enter the University will need to study elsewhere before applying.

Enquiries are welcome. Telephone the Language and Learning Unit directly on (02) 9351 9631 or (02) 9351 9319, or reception on (02) 9351 9638 or fax (02) 9351 9635.

Equal employment opportunity and affirmative action

The University has an EEO Unit and an EEO and Affirmative Action Management Plan. EEO and Affirmative Action policies are designed to prevent discrimination, promote equity, and work in the interests of target groups who have suffered discrimination in the past. Such groups include Aborigines, women, people from non-English speaking backgrounds and people with mental or physical disabilities.

The campus has its own Cumberland Equity Advisory Committee (CACE) which provides a forum for discussion and promotion of these policies.

Faculty discrimination advisers

All staff and students within the University have the right to be treated fairly and with respect. The University, both as an employer and as a provider of educational services, seeks to promote an environment which supports the productivity, self-esteem and personal work goals of both staff members and students.

The University of Sydney is committed to the provision of equal opportunity for staff and students, which includes ensuring the absence of discrimination on the grounds of sex, pregnancy, race (including colour, ethnic background or national identity), marital status, physical or intellectual impairment, sexual preference, political or religious belief or age.

Further, the University of Sydney is committed to the elimination of all forms of harassment and to providing support to the victims of harassment.

What is harassment?

Harassment is any behaviour that is unsolicited and unwanted and as such is offensive. The distress caused by harassment may be intentional or unintentional. Harassment is one form of discrimination and generally occurs when power is improperly exercised to the detriment of a person or group of people.

What can you do if you are harassed?

If possible tell the person directly that their behaviour is unacceptable to you and ask them to stop. If this is not appropriate or leads to no improvement then seek advice from a University or Faculty Discrimination Adviser. You may also direct your concerns to senior staff within your School or Department.

Financial assistance

The University's loan scheme provides supplementary assistance, not full support, to students who demonstrate financial hardship. These interest-free loans may be short term for compulsory student fees at the beginning of semester, longer term loans for essential living and study expenses (called Financial Assistance loans), or a very short-term cash loan for an emergency that has arisen that day. All enquiries should be directed to Student Welfare Services, telephone (02) 9351 9638, where you can pick up an application form and make an appointment for an interview.

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 College. For further information please call (02) 9546 7194.

The Faculty's Alumni include all its graduates, ex-staff, ex-students and community friends. Alumni are kept in touch through the Faculty Web site.

All alumni are able to become life members of the Graduate Association on payment of a once-only fee of \$50. Members can:

- borrow from the Faculty Library
- make their voice heard on issues affecting the Faculty
- become eligible for a Graduates Association Grant for postgraduate study in the Faculty of Health Sciences.

The Graduates Association offers annually a grant of \$1500 to provide financial assistance to a new or continuing student in any course of postgraduate study in the Faculty of Health Sciences. The grant is made over one year for full-time students and over two years for part-time students. Applicants must be members of the Association.

Health Sciences Library

The University of Sydney's Cumberland campus maintains its own library to provide resources and support to students, staff and researchers. The Library collection, of approximately 80,000 books and videos and 900 journal titles, is particularly oriented towards the health sciences. The library aims to support undergraduate, graduate, and research programs, to provide service and assistance to users, as well as to provide certain general and recreational materials and a pleasant environment for study and research.

The Health Sciences Library is located centrally on campus, in R block, and is accessible to users with physical disabilities. Level 1 includes the Reference collection, current issues of journals, Closed Reserve, the Information desk, the Circulation desk, audio-visual, photocopying, printers, database and Internet facilities, a study room for students with disabilities, Computer Training Room, study areas and the staff work area.

Level 2 contains the main collection of resources, study areas, additional photocopiers, and several group study rooms.

Access to the Library collection is via a user-friendly OPAC (online public access catalogue). Material may be located by author, title, subject or keyword approaches. OPACs are located on both levels of the Library. The catalogue lists all holdings within the University Library system including Fisher Library and eighteen other branch libraries. The catalogue offers many self-service options and can be accessed externally through the Internet.

Extensive computer facilities allow users to make their own literature searches on a wide variety of databases. Many of these offer full text or are interactive. Library staff conduct regular classes in use of the database network, the Internet, and other methods of information gathering.

Distance education students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk (02) 9351 9437

Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk (02) 9351 9423

Renewals of loans may be made in person or by telephone during library hours. Loans can also be renewed through the Internet. **Overdue items may not be renewed.**

Library hours

During semester

Mon-Thu: 8 am - 9 pm

Fri: 8 am - 6 pm

Sat: 9 am - 4 pm

Sun: 1 pm - 5 pm

Inter-semester and long vacation

Mon-Fri: 9 am - 5 pm

Sat and Sun: Closed.

Please note: The Library will probably be closed during the Olympic period. Actual dates will be announced closer to the event.

For more information about the Library collection and services, including remote access instructions to the OPAC, see the Home Page set up at www.cchs.usyd.edu.au/Admin/lib/library.html.

A detailed list of the various databases available can be found at www.library.usyd.edu.au/Databases.

International student advisory service

Advisory services for international students and visiting scholars are provided by Student Welfare Services. They include the Study Preparation Program held every January-February for newly enrolled students, orientation to living and studying in Australia, arrival and accommodation assistance, family support, personal, intercultural and academic guidance, tutorial support, English language tuition, arrangements for social events and excursions, and returning home services. The International Student Adviser can be contacted on (02) 9351 9634 or fax (02) 9351 9635.

Language and Learning Unit

The Language and Learning Unit (LLU) is located in A014 and is part of Student Welfare Services. The tutors in the Unit provide academic and communication skills tuition for all students, as well as English language tuition for those who require it. The staff have postgraduate qualifications in education, applied linguistics, foreign languages, cross-cultural communication, and in teaching English as a second language. One-to-one tutorials, regular workshops and seminars on academic, clinical, and professional communication skills are available during semester and in vacations. Schedules are announced from time to time on noticeboards around the campus, and in Corpus Callosum and on the Student Welfare Services web page, www.cchs.usyd.edu.au/sws. Students and lecturers are invited to contact the Unit and consult with the tutors on any matter related to the above areas and services. Phone (02) 9351 9319 or Student Welfare Services on (02) 9351 9638. The fax number is (02) 9351 9635.

Lockers

A limited number of lockers are available on campus on a first-come-first-served basis. All lockers must be cleared at the end of each semester. The University will not accept responsibility for any item lost from these lockers. Students are required to provide their own padlock.

There are also a small number of lockers set aside for the use of students with disabilities located in S and T Blocks. Students wishing to use these lockers should contact Student Welfare Services in the first instance. Student is required to provide own padlock.

Lost property

Property found on campus should be taken to Property Services Division. Lost property is held for a period of three months. If unclaimed after two months, it may be claimed by the finder (not including a member of staff). If it is still unclaimed after a three month period, the University reserves the right to dispose of these items.

Parking

Parking is available on campus for staff; however, places are limited for students and visitors. Parking fees apply and the conditions specified in the parking regulations must be observed. Parking applications, and details of the regulations and infringement procedures, are available from Property Services Division. Those requiring access to parking spaces for people with disabilities should contact Student Welfare Services.

Peer tutoring service

A register of senior students who have volunteered their services as subject tutors is available in Student Welfare Services. Students wishing to become tutors, or to obtain tutoring in subjects they are having difficulties with, should contact the office to check the register or seek advice. Payment

is generally negotiable between parties involved. For information phone (02) 9351 9638.

Sporting facilities (multi-purpose courts and oval)
Bookings for the multi-purpose tennis, netball and basketball courts must be made with the Student Guild Sports Centre. Bookings for the oval must be made with the Property Services Division.

Student accommodation

The Student Guild produces an annual Accommodation Guide and Directory, allocates rented rooms to students at Auburn Hospital Nurses' Home, and in first semester, maintains a housing register in the Guild Office. During the year, accommodation options are advertised on Guild Building noticeboards.

Yannadah

The student residence on the Cumberland campus, Lidcombe, provides accommodation for up to thirty-nine students from outside the greater metropolitan area of Sydney. Application forms are included with course offers. Places are determined by ballot. For information contact the Residential Manager on (02)93519405.

Student Welfare Services (SWS)

Student Welfare Services is concerned with the general welfare of all students on Cumberland Campus. Students may seek advice and assistance on any issue related to or impacting on their academic study, clinical placements, or life on campus. Student Welfare Services mirrors the services provided by Student Services on the Camperdown Campus with the exception of accommodation and casual work which are managed at Cumberland by the Student Guild. Student Welfare Services provides a high level of academic and personal support services through the activities of advising, facilitating, teaching, counselling and mediating in order to assist students to succeed in their studies, and to benefit from and enjoy the University, campus and clinical placement experience. Lecturers are invited to contact Student Welfare Services for further information and to refer students for assistance. Specialised services within Student Welfare Services are the Language and Learning Unit, English language tuition, International Student Advisory Service, Peer Tutoring Service, Disability Services, Financial Assistance, and the Counselling Service (see details under separate headings). Phone (02) 9351 9638, fax (02) 9351 9635, email r.mckenzie@cchs.usyd.edu.au or a.chan@cchs.usyd.edu.au. Office hours are 9 am to 5 pm during semester and vacations.

Travel concessions

Details of travel concessions are available from the Student Enquiry Counter, Administration Building.

Senate resolutions

As at 1 November, 1999

Degrees, Diplomas and Certificates in the Faculty of Health Sciences

1. The degrees in the Faculty of Health Sciences shall be:
 - (a) Bachelor of Applied Science (BAppSc)
 - (b) Bachelor of Behavioural Health Science (BBHSc)
 - (c) Bachelor of Health Science (BHlthSc)
 - (d) Master of Applied Science (MAppSc)
 - (e) Master of Communication Disorders (MCommDis)
 - (f) Master of Health Science (MHlthSc)
 - (g) Master of Health Science Management (MHlthSc(Mment))
 - (h) Master of Occupational Therapy (MOT)
 - (i) Master of Rehabilitation Counselling (MRehabCIng)
 - (j) Doctor of Health Science (HScD)
 - (k) Doctor of Philosophy (PhD).
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 (GradDipHlthSc)
 - (c) Graduate Diploma in Rehabilitation Counselling (GradDipRehabCIng)
 - (d) Graduate Certificate of Health Science (GradCertHlthSc)
3. The Faculty, acting on the recommendation of the Head of School/Department/Centre 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 the circumstances where the candidate has not demonstrated satisfactory progress toward fulfilling the clinical requirements of the award.
4. The Faculty delegates authority to the Associate Dean (Undergraduate Studies)/Associate Dean (Graduate Studies) to act on behalf of Faculty in relation to section (3) above, and that the Dean be the first point of appeal for students in relation to actions taken in this matter.

Bachelor of Applied Science

1. The degree of Bachelor of Applied Science may be awarded in the grade of Pass degree in:
 - (a) Exercise and Sport Science
 - (b) Health Information Management
 - (c) Leisure and Health
 - (d) Medical Radiation Sciences
 - (e) Occupational Therapy
 - (f) Orthoptics
 - (g) Physiotherapy
 - (h) Speech Pathology.
2. (1) The degree of Bachelor of Applied Science may be awarded in the grade of Honours degree in the following areas:
 - (a) Exercise and Sport Science
 - (b) Health Information Management
 - (c) Leisure and Health
 - (d) Medical Radiation Sciences
 - (e) Occupational Therapy
 - (f) Orthoptics
 - (g) Physiotherapy
 - (h) Speech Pathology.
- (2) There shall be three classes of honours, namely Class I, Class II, and Class III.

(3) Within Class II there shall be two divisions namely Division 1 and Division 2.

- (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3. (1) A unit 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 or department concerned.
 - (2) The words 'to complete a unit' and derivative expressions mean:
 - (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
 - (b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
 - (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a head of school/department/centre, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school/department/centre may, in their discretion, in any particular case:
 - (a) exercise the power,
 - (b) exercise the power conditionally, or
 - (c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
 - (2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a subject unless entry requirements prescribed for that subject have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the head of school or department concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.
8. A candidate for the Honours shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following tables.

Table A: Exercise and Sport Science

A.1: Pass course (3 year full-time)

Year 1

- Psychosocial Aspects of Recreation and Sport
 Body Structure, Homeostasis and Movement I
 Body Structure, Homeostasis and Movement II
 Molecules, Food and Energy
 Mechanisms of Movement
 Muscle Mechanics
 Fundamentals of Exercise Science
 Quantitative Biomechanics
 Selected Studies: (any three from the following)
- Fundamental Computer Skills
 - Data Management and Presentation
 - Sports First Aid/Trainer
 - Health Centre Management
 - Sports Coaching
 - Performance Analysis

Year 2

Behaviour Modification and Exercise Adherence
 Kinesiology and Applied Anatomy
 Mechanisms of Injury
 Growth, Development and Ageing
 Motor Control and Learning I
 Motor Control and Learning II
 Biochemistry of Exercise
 Exercise Physiology I
 Exercise Physiology II
 Nutrition and Sport Performance

Year 3

Exercise Physiology III
 Exercise Testing and Prescription I
 Exercise Testing and Prescription II
 Sports Biomechanics I
 Sports Biomechanics II
 Research Methods and Professional Practice
 Exercise and Rehabilitation I
 Exercise and Rehabilitation II
 Elective Studies: (any two from the following)

- Hormones, Metabolism and Exercise
- Sociology and Psychology of Organisations
- Ergonomics
- Readings and Conference
- Sports Pharmacology
- Management, Marketing and the Law

A.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3

As for Pass course

Year 4

Honours Thesis

Table B: Health Information Management

B.1: Pass course (3 year full-time)

Year 1

Clinical Classification I
 Health Information Systems II
 Australian Health Care Systems
 Medical Terminology I
 Professional Experience I
 Health Information Systems I
 Microcomputer Applications
 Introduction to Psychology
 Introduction to Health Sociology
 Basic Human Biology IA
 Basic Human Biology IB

Year 2

Programming Logic and Design
 Medical Science I
 Professional Experience II
 Health Informatics
 Database Systems
 Clinical Classification IIA
 Clinical Classification IIB
 Management Principles I
 Casemix Measurement Systems
 Research Methods I
 Research Methods II: Data Analysis and Statistics
 Social Psychology
 Psychology of Work and Management
 Basic Human Biology IIA
 Basic Human Biology IIB

Year 3

Financial Management in Health Care
 Medical Science II
 Medical Science III
 Epidemiology

Professional Experience IIIA
 Professional Experience MB
 Clinical Classification IIIA
 Clinical Classification MB
 Human Resource Management
 Health Care Evaluation
 Management Principles II
 Law and Health
 Sociology of Work and Organisations
 Health, Society and Social Change

B.2: Honours course (4 year full-time)

Year 1 - As for Pass course

Year 2 -As for Pass course

Year 3 - As for Pass course

Year 4

Intermediate Statistics
 Research Thesis Part A
 Research Thesis Part B

Table C: Leisure and Health

C.1: Pass course (3 year full-time)

Year 1

Introduction to Health Sociology
 Psychology I
 Sociology of Community and Family
 Biological Sciences IA
 Biological Sciences IB
 Australian Healthcare Services
 Leisure in Australia
 Introduction to Leisure and Health
 Management and Leadership
 Creative Arts in Recreation
 Programming for Children and Adolescents
 Professional Practice I: Communication Skills

Year 2

Clients, Practitioners and Organisations
 Psychology of Disability I
 Psychology of Disability II
 Research Methods I
 Biological Sciences IIA
 Biological Sciences IIB
 Social Psychology of Leisure
 Learning Processes and Leisure Education
 Diversional Therapy and the Ageing Population
 Contemporary Issues in Healthcare
 Client Groups I
 Program Design and Evaluation
 Professional Practice II: Skill Development

Year 3

Research Methods II
 Sociology of the Aged and Ageing
 Psychology II
 Biological Sciences IIIA
 Biological Sciences MB
 Professional Communication and Guidance
 Outdoor Recreation and Education
 Research Project in Leisure and Health
 Client Groups II
 Professional Practice III: Mastery and Research

C.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3

Research Methods II: Data Analysis and Statistics
 Sociology of the Aged and Ageing
 Psychology II
 Biological Sciences IIIA
 Biological Sciences MB
 Professional Communication and Guidance

Outdoor Recreation and Education
 Client Groups II
 Professional Practice III: Mastery and Research
 Honours Research Seminar I
Year 4
 Honours Research Seminar II
 Honours Thesis
 Research Elective

Table D: Medical Radiation Sciences

D.1: Pass course (3 year full-time)

Year 1

Research Methods I: Design
 Introduction to Psychology
 Introduction to Health Sociology
 Introductory Radiation Physics IA
 Introductory Radiation Physics IB
 Introductory Human Biology
 Biomedical Sciences IA
 Biomedical Sciences IB
 Introduction to Clinical Education
 PLUS
 Radiographic Practice IA
 Radiographic Practice IB
 Radiographic Physics 1
 Clinical Education IA
 OR
 Nuclear Medicine IA
 Nuclear Medicine IB
 Nuclear Medicine Physics 1
 Clinical Education IB
 OR
 Radiation Therapy IA
 Radiation Therapy IB
 Radiation Therapy Physics 1
 Clinical Education 1C
Year 2 (to be first offered in 2000)
 Biomedical Sciences 2
 Introductory Radiation Biology and Protection
 Sectional Anatomy
 Medical Ethics and Professional Issues
 PLUS
 Radiographic Physics 2
 Radiographic Practice 2
 Radiographic Pathology I
 Clinical Education 2A
 OR
 Nuclear Medicine Physics 2
 Nuclear Medicine 2
 Radiopharmacy
 Clinical Education 2B
 OR
 Radiation Therapy Physics 2
 Radiation Therapy 2
 Oncology A
 Clinical Education 2C
Year 3 (to be first offered in 2001)
 Research Methods II: Data Analysis
 One of the following:
 Social Psychology and Communication
 Disability Studies and Behavioural Therapy
 One of the following:
 Clients, Practitioners and Organisations
 Health Policy Service Delivery
 PLUS
 Image Processing
 Medical Radiations Project
 Integrated Diagnosis and Treatment
 PLUS
 Radiographic Physics 3A
 Radiographic Practice 3
 Sonography A
 Radiographic Pathology 2

Clinical Education 3A
 Radiographic Physics 3B
 Clinical Education 4A
 Radiography Electives¹
 Elective Studies²
 OR
 Nuclear Medicine Physics 3
 Nuclear Medicine 3A
 Sonography A
 Clinical Education 3B
 Nuclear Medicine 3B
 Clinical Education 4B
 Elective Studies²
 OR
 Oncology B
 Radiation Therapy Physics 3
 Radiation Therapy 3 A
 Clinical Education 3C
 Radiation Therapy 3B
 Seminars in Radiation Therapy
 Clinical Education 4C
 Elective Studies²

Notes

1. Radiography electives - choose 2 of the following:
 - Seminars in Diagnostic Radiography
 - Management Skills for Health Professions
 - Interventional Radiography
 - Sports Injury Imaging
 - Paediatric Radiography
 - Operating Suite Radiography
 - Functional Brain Imaging
2. Elective studies, choose from the following:
 - Radiography - choice of 1 out of the 4 areas
 - Nuclear Medicine - choice of 2 out of the 4 areas
 - Radiation Therapy - choice of 1 of the 4 areas
 - i. Physics Electives:
 - Medical Radiation Sciences Physics Elective
 - Clinical Physics
 - ii. Sonography B
 - iii. Behavioural Science Electives:
 - Alternative Medicine
 - Community, the Internet and Health Information
 - Death and Dying
 - Gender and Health/International Health
 - Media and Health/Occupational Health
 - Social Theory and Medical Sociology
 - Sociology of Ageing
 - Sociology of Community and Family
 - Sociology of Sport
 - Health Psychology
 - Psychological Function
 - iv. Biomedical Science Electives:
 - Embryology
 - Applied Neurobiology

D.2: Honours course (4 year full-time)

Year 1 to Year 3

As for Pass course

Year 4 (to be first offered in 2002)

Honours Research Seminar
 Thesis Support A
 Thesis Support B
 Elective
 Honours Thesis
 Elective (choose one from the following):

- Epidemiological Research
- Evaluation Research
- History and Philosophy of Scientific Methodology
- Intermediate Statistics
- Multivariate Statistics
- Qualitative Research Methods
- Survey Research Methods

Table E: Occupational Therapy

E.1: Pass course (4 year full-time)

Year 1

Introduction to Health Sociology
 Introductory Psychology
 Cognitive Functioning
 Introductory Biomedical Sciences
 Body Function in Health and Disease
 Musculoskeletal Anatomy
 Human Occupations IA
 Human Occupations IB
 Components of Occupational Performance IA
 Components of Occupational Performance IB
 Occupational Therapy Theory and Process IA
 Occupational Therapy Theory and Process IB
 Occupations and Roles Across the Lifespan IA
 Occupations and Roles Across the Lifespan IB
 Professional Practice I
 Electives*

Year 2 (to be first offered in 2000)

Psychopathology and Behaviour Change
 Research Methods I: Design
 Clients, Work and Organisations
 Social and Health Psychology
 Neurobiology I
 Neurobiology II
 Kinesiology for Occupational Therapy
 Human Occupations IIA
 Human Occupations IIB
 Components of Occupational Performance IIA
 Components of Occupational Performance IIB
 Occupational Therapy Theory and Process IIA
 Occupational Therapy Theory and Process IIB
 Occupations and Roles Across the Lifespan II
 Professional Practice II

Year 3 (to be first offered in 2001)

Health, Medicine and Society
 Applied Physiology
 Human Occupations III
 Components of Occupational Performance III
 Occupations and Roles Across the Lifespan III
 Occupational Therapy Theory and Process III
 Professional Practice III
 Electives*

Students choose units of study to the value of 12 credit points during the first three years of the course. The units of study are chosen from outside the Occupational Therapy Undergraduate Course.

Year 4 (to be first offered in 2002)

Professional Electives (3 electives - 8 credit points each)
 Professional Practice IV

E.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3 (to be first offered in 2001)

Health, Medicine and Society
 Human Occupations III
 Components of Occupational Performance III
 Occupational Therapy Theory and Process III
 Occupations and Roles Across the Lifespan III
 Applied Physiology
 Research Elective*
 Honours Research Seminar I
 Professional Practice III
 Electives*

Honours students, in consultation with their supervisor, elect to take one Research Elective only in either year 3 or year 4.

See Pass course.

Year 4 (to be first offered in 2002)

Honours Research Seminar II

Honours Thesis
 Professional Practice IV (Hons)

Table F: Orthoptics

F.1: Pass course (4 year full-time)

Year 1

Introduction to Health Sociology
 Introduction to Psychology
 Introductory Human Biology
 Introductory Neurobiology
 Neurobiology I
 Optics I
 Body Systems I
 Optics II
 Clinical Instrumentation IA
 Clinical Instrumentation IB
 Visual Processes
 Binocular Vision
 Disorders of the Visual System IA
 Disorders of the Visual System IB

Year 2

Behavioural Science IIA
 Behavioural Science IIB
 Research Methods II: Data Analysis and Statistics
 Research Methods I
 Introductory Pathology
 Ocular Biology
 Visual Neurobiology
 Concomitant Strabismus B
 Instrumentation IIA
 Instrumentation IIB
 Concomitant Strabismus A
 Disorders of the Visual System IIA
 Disorders of the Visual System IIB
 AND

Clinical Studies IIA

OR

Clinical Studies IIB

Year 3

Bio-electrical Signals and Computing
 Embryology and Neural Plasticity
 Clinical Studies III
 Clinical Project
 Ocular Motility Disorders I
 Disorders of the Visual System III
 Rehabilitation Studies I
 Instrumentation III
 Elective Study

Year 4

Visual Science
 Ocular Motility Disorders II
 Disorders of the Visual System IV
 Rehabilitation Studies II
 Professional Studies
 Clinical Studies IV
 Developing a Research Project
 AND
 Research Project
 OR
 Professional Elective

F.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3

Research Statistics
 Bio-electrical Signals and Computing
 Embryology and Neural Plasticity
 Clinical Studies III
 Ocular Motility Disorders I
 Disorders of the Visual System III

Instrumentation III
 Research Proposal Part A
 Research Proposal Part B
Year 4
 Visual Science
 Ocular Motility Disorders II
 Disorders of the Visual System IV
 Professional Studies
 Research Report
 Clinical Studies IVH

Table G: Physiotherapy

G.1: Pass course (4 year full-time)

Year 1

Psychology of Motor Behaviour
 Research Methods I: Design
 Introductory Psychology
 Introductory Human Biology
 Body Systems I
 Functional Anatomy A
 Functional Anatomy B
 Introductory Neurobiology
 Neurobiology I
 Electrophysical Agents I
 Musculoskeletal Physiotherapy I
 Introduction to Physiotherapy Practice
 Kinesiology I

Year 2

Research Methods II: Data Analysis
 Introduction to Health Sociology
 Social and Health Psychology
 Body Systems II
 Neurobiology II
 Cardiopulmonary Physiotherapy I
 Electrophysical Agents II
 Musculoskeletal Physiotherapy II
 Ethical Physiotherapy Practice
 Clinical Education I
 Clinical Education II (Community Fieldwork)

Biomechanics

Year 3 (to be first offered in 2000)

Sociology of Clients, Practitioners and Organisations
 Body Systems III
 Cardiopulmonary Physiotherapy II
 Musculoskeletal Physiotherapy III
 Neurological Physiotherapy I
 Paediatrics
 Community and Occupational Physiotherapy
 Exercise and Health
 Clinical Education III
 Applied Physiology

Year 4 (to be first offered in 2001)

Psychopathology and Behaviour Change
 Health Policy and Service Delivery
 Clinical Education IVA
 Clinical Education IVB
 Evidence-Based Practice
 Complex Cases
 Elective
 Advanced Manipulation Skills
 Neurological Physiotherapy II
 Clinical Education IVC
 Clinical Education IVD

G.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3 (to be first offered in 2000)

Research Statistics
 Sociology of Clients, Practitioners and Organisations

Body Systems III
 Cardiopulmonary Physiotherapy II
 Musculoskeletal Physiotherapy III
 Neurological Physiotherapy I
 Paediatrics
 Physiotherapy Practice III
 Exercise and Health
 Clinical Education III
 Research for Physiotherapists
 Applied Physiology
Year 4 (to be first offered in 2001)
 Psychopathology and Behaviour Change
 Health Policy and Service Delivery
 Honours Thesis
 Complex Cases
 Advanced Manipulation Skills
 Neurological Physiotherapy II
 Clinical Education IVC
 Clinical Education IVD
 Clinical Education IIIHA
 Clinical Education IIIHB
 Honours Research Seminar

Table H: Speech Pathology

H.1: Pass course (4 year full-time)

Year 1

Introductory Psychology
 Cognitive and Developmental Psychology
 Research Methods I: Design
 Disorders and their Management
 Introductory Human Biology
 Introductory Neurobiology
 Neurobiology I
 Hearing Science
 Speech Science I
 Speech Science II
 Linguistics

Professional Development I:
 Introduction to Clinical Learning
 Phonetics I

Normal Communication Development

Articulation and Phonology

Year 2

Cognitive Neuropsychology I
 Research Methods II: Data Analysis and Statistics
 Neurobiology II for Communication Disorders
 Voice Science and Disorders
 Language Impairments in Children I
 Language Impairments in Children II

Stuttering

Professional Development IIA: Clinical Skills

Professional Development IIB: Clinical Skills

Phonetics II

Audiology I

Audiological Management I

Speech and Language Impairments of Neurological Origin I

Introductory Speech Pathology Clinical I

Introductory Speech Pathology Clinical II

Year 3

Cognitive Neuropsychology II

Introduction to Health Sociology

Clients, Practitioners and Organisations

Patient Management: Theories and Applications

Social and Health Psychology

Neurology for Communication Disorders

Audiological Management

Speech and Language Impairments of Neurological Origin II

Communication Impairments in Special Populations

Language Impairments in Children III

Professional Development III: Management Skills

Swallowing Impairments

Craniofacial Anomalies

Intermediate Speech Pathology Clinical I

Intermediate Speech Pathology Clinical II

Year 4

Group A

Advanced Topics A

Professional Development IVA: Advanced Issues

Advanced Speech Pathology Clinical IA

Advanced Speech Pathology Clinical IIA

Group B

Advanced Topics B

Professional Development IVB: Advanced Issues

Advanced Speech Pathology Clinical IB

Advanced Speech Pathology Clinical IIB

H.2: Honours course (4 year full-time)

Year 1

As for Pass course

Year 2

As for Pass course

Year 3

Sociology I

Sociology II

Patient Management: Theories and Applications

Cognitive Neuropsychology II

Social and Health Psychology

Neurology for Communication Disorders

Speech and Language Impairments of Neurological Origin II

Communication Impairments in Special Populations

Swallowing Impairments

Intermediate Speech Pathology: Clinical IIIB

Audiological Management II

Craniofacial Anomalies

Language Impairments in Children III

Honours Research Seminar I: Literature Review

Professional Development IIIB: Management Skills

Intermediate Speech Pathology Clinical IIH

Honours Research Seminar II: Research Proposal

Year 4

Advanced Speech Pathology Clinical IH

Professional Development IVH: Advanced Issues

Advanced Speech Pathology Clinical IIH

Honours Thesis

Bachelor of Behavioural Health Science

1. The degree of Bachelor of Behavioural Health Science is awarded in two grades: pass and honours.
2. In the Honours grade, there are
 - (1) three classes of honours, namely Class I, Class II, and Class III; and
 - (2) Within Class II there shall be two divisions, namely Division 1 and Division 2.
3. If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
4. (1) a unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises, essays and reports as may be prescribed by the Faculty or the school or department concerned.
 (2) The words 'to complete a unit' and derivative expressions mean:
 - (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
 - (b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
 - (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
5. Where in these resolutions a power is given to the Faculty or a Head of School, Department, or Centre subject to any

express indication to the contrary or resolution passed by the Faculty, the Faculty or a Head of School, Department, or Centre may, in their discretion, in any particular case:

- (a) exercise the power,
 - (b) exercise the power conditionally, or
 - (c) decline to exercise the power.
6. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
 (2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
 7. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School, Department, or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
 8. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.
 9. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following table.

Table A: Behavioural Health Science

A.1: Pass course (3 year full-time)

Year 1

Introduction to Health Psychology
 Social Psychology and Communication
 Introduction to Health Sociology
 Clients, Practitioners and Organisations
 Professional Practice and Ethics I
 Research Methods I: Design
 Research Methods I: Analysis
 Microcomputer Applications
 Human Anatomy and Physiology A
 Human Anatomy and Physiology B
 Elective Studies¹

Year 2

Health Psychology

Abnormal Behaviour
 Behaviour Management
 Disability Studies
 Cognitive Functioning
 Health and Social Theory
 Organisational Studies
 Human Resource Management
 Psychology Electives²
 Sociology Elective³
 Elective Studies¹

OR

Health Sociology

Abnormal Behaviour
 Disability Studies
 Health and Social Theory
 Health Policy and Service Delivery
 Organisational Studies
 Human Resource Management
 Psychology Electives²
 Sociology Elective³
 Elective Studies¹

Year 3 (to be first offered in 2001)

Health Psychology
 Health Psychology
 Health Policy and Service Delivery
 Counselling and Assessment
 Workplace Attachment

Professional Practice and Ethics II
 History and Philosophy of Scientific Methodology
 Sociology Electives³
 Psychology Elective²
 Elective Studies¹
 OR
 Health Sociology
 Health Policy Development
 Workplace Attachment
 Professional Practice and Ethics II
 History and Philosophy of Scientific Methodology
 Sociology Electives³
 Psychology Elective²
 Elective Studies¹

Notes

1. General electives include the following (subject to minimum enrolment):
 Ageing, Society and Professional Practice
 Older People in the Community
 Older People in Care
 Psychosocial Wellbeing in Older Adults
 Law For Health Professionals
 Patient Education I
2. Psychology electives:
 Life Span Psychology and the Family
 Advanced Counselling
 Psychology of Sport and Exercise Adherence
 Brain and Cognition
 Psychology of Motor Behaviour
3. Sociology electives:
 Sociology of Community and Family
 Sociology of Sport
 Sociology of the Aged and Aging
 Culture, Health, and Illness
 Alternative Medicine
 Death and Dying

A.2: Honours course

Year 1 to Year 3

As for Pass course
 Year 4 (to be first offered in 2002)

Research Project
 Research elective¹
 Honours electives²

Notes

1. Research electives:
 Intermediate Statistics
 Qualitative Research Methods
 Survey Research Methods
2. Honours electives:
 Abnormal Psychology and Mental Health
 Addictive Behaviours
 Cognitive Function in Neurological Disorders
 Organisational Psychology
 Stress and Coping
 Stress and Disability
 Disability and the Community
 Ethnic Minorities and Health Care in Australia
 Health and Cultural Pluralism
 Occupational Health and Stress
 Organisational Structures in Health Contexts

Bachelor of Health Science

1. The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
 (a) Aboriginal Health and Community Development
 (b) Hearing and Speech
 (c) Rehabilitation Counselling
 (d) Nursing*
 (e) Occupational Therapy*
 (f) Physiotherapy*
 (g) Medical Radiation Technology*
 *Singapore Conversion Courses.

2. (1) The degree of Bachelor of Health Science may be awarded in the grade of Honours degree in:
 (a) Aboriginal Health and Community Development
 (b) Hearing and Speech
 (c) Occupational Therapy*
 (d) Rehabilitation Counselling
 *Singapore Conversion Course
 (2) There shall be three classes of honours, namely Class I, Class II, and Class III.
 (3) Within Class II there shall be two divisions, namely Division 1 and Division 2.
 (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3. (1) A unit 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 or department concerned.
 (2) The words 'to complete a unit' and derivative expressions mean:
 (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
 (b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
 (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a Head of School, Department, or Centre subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a Head of School, Department, or Centre may, in their discretion, in any particular case:
 (a) exercise the power,
 (b) exercise the power conditionally, or
 (c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
 (2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School, Department, or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.
8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following table.

Table A: Aboriginal Health and Community Development

A.1: Pass course (4 year full-time block attendance plus off-campus)

Year 1

Perspectives in Indigenous Health I
 Community Development I
 Introduction to Counselling Skills
 Primary Health Care I
 Biological Sciences I
 Alcohol and Other Drugs I
 Communication Studies I

Field Education I

Year 2

Perspectives in Indigenous Health II
 Counselling Theory and Methods A
 Primary Health Care II
 Community Development II
 Health and Human Behaviour I
 Biological Sciences II
 Alcohol and Other Drugs I
 Field Education II

Year 3

Indigenous Community Health Project A (Planning)
 Research Elective IIIA
 Research Elective IIIB
 Electives
 Field Education III

Year 4

Indigenous Community Health Project B
 Electives
 Field Education IV

A.2: Honours course (4 year full-time)

Year 1 to Year 2

As for Pass course

Year 3

Honours Workshop A
 Research Elective IIIA
 Research Elective IIIB
 Elective
 Field Education III

Year 4

As for Pass course, plus:

Indigenous Community Health Project B
 Research Elective IVA
 Research Elective IVB
 Research Thesis A
 Research Thesis B
Research Stream Electives
 Epidemiology
 Introduction to Health Research
 Participant Observation and Ethnography
 Action Research
 Research Seminar
 Quantitative Research Methods
 Historical Research
 Social Research
Counselling and Indigenous Mental Health Stream
 Counselling Theory and Methods II
 Family Therapy
 Group Processes and Counselling
 Art Therapy
 Alcohol and Other Drugs Counselling
 Issues in Indigenous Mental Health
 Addictions Counselling
 Counselling with Art Therapy
 Wellness
 Health and Human Behaviour II
Indigenous Community Development and Management Stream
 Communication in Indigenous Communities
 Health Computing
 Community Development III
 Community Development IV*
 Health Management Theory
 Health Management Practice
 Health Planning, Policy and Evaluation I
 Computer Skills in the Media
 The Health Worker and the Law
 Indigenous Health Information Management
 Health Planning, Policy and Evaluation II
Primary Health Care and Health Promotion Stream
 Perspectives in Indigenous Health IV
 Nutrition and Lifestyle
 Contemporary Issues in Health Law, and Medicine
 Health Promotion for Indigenous Communities II

Health Promotion for Indigenous Communities III*

Multiculturalism and Indigenous Issues*

Ethics

Health Promotion for Indigenous Communities I

Primary Health Care III

Art and Media in Indigenous Health Promotion

Early Disease Intervention for Aboriginal Health Workers in Remote Areas A

Early Disease Intervention for Aboriginal Health Workers in Remote Areas B

Skills for Teaching Health

Biological Sciences III

Biological Sciences IIIA

Indigenous Environmental Health and Housing Stream

Housing and Environmental Health

Issues in Housing and Environment Health

Indigenous Health and Housing

Notes

Electives offered subject to sufficient demand and staff availability

*not offered in 2000

Table B: Hearing and Speech

B.1: Pass course (3 years full-time)

Year 1 (foundation year)

Introductory Psychology

Cognitive and Development Psychology

Research Methods I: Design

Disorders and their Management

Introductory Human Biology

Introductory Neurobiology

Neurobiology I

Hearing Science

Speech Science I

Speech Science II

Linguistics

Professional Development I: Introduction to Clinical Learning

Phonetics I

Normal Communication Development

Articulation and Phonology

Year 2 (to be first offered in 2000)

Cognitive Neuropsychology I

Research Methods II: Data Analysis and Statistics

Neurobiology II for Communication Disorders

Voice Science and Disorders

Language Impairments in Children I

Language Impairments in Children II

Stuttering

Professional Development IIA: Clinical Skills

Professional Development IIB: Clinical Skills

Phonetics II

Audiology I

Audiological Management I

Speech and Language Impairments of Neurological Origin I

Communication Fieldwork I

Communication Fieldwork II

Year 3 (to be first offered in 2001)

Cognitive Neuropsychology II

Introduction to Health Sociology

Clients, Practitioners and Organisations

Patient Management: Theories and Applications

Social and Health Psychology

Neurology for Communication Disorders

Audiological Management II

Auditory Perception and Processing

Communication Impairments in Special Populations

Language Impairments in Children III

Professional Development III: Management Skills

Audiology II

Craniofacial Anomalies

Communication Fieldwork III

Communication Fieldwork IV

Year 4 (Honours Program) (to be first offered in 2002)

Honours Paper I
 Honours Paper II
 Honours Thesis

Table C: Rehabilitation Counselling

C.1: Pass course (4 year full-time)**Year 1**

Vocational Rehabilitation IA
 Vocational Rehabilitation IB
 Introduction to Rehabilitation Philosophy
 Ethical Perspectives of Rehabilitation
 Professional Practice I
 Rehabilitation Psychology IA
 Rehabilitation Psychology IB
 Research Methods I: Design
 Introduction to Health Sociology
 Clients, Practitioners and Organisations
 Human Anatomy and Physiology A
 Human Anatomy and Physiology B

Year 2

Rehabilitation Counselling IA
 Rehabilitation Counselling IB
 Vocational Rehabilitation IIA
 Vocational Rehabilitation IIB
 Case Management and Rehabilitation Planning I
 Case Management and Rehabilitation Planning II
 Occupational Health, Disability and Rehabilitation A
 Occupational Health, Disability and Rehabilitation B
 Professional Practice II
 Rehabilitation Psychology IIA
 Rehabilitation Psychology IIB
 Research Methods II: Data Analysis and Statistics
 Pathophysiology and Pharmacology A
 Pathophysiology and Pharmacology B

Year 3 (to be first offered in 2000)

Rehabilitation Counselling IIA
 Rehabilitation Counselling IIB
 Vocational Rehabilitation IIIA
 Vocational Rehabilitation IIIB
 Accident Compensation Schemes Practicum
 Avocational Rehabilitation
 Legal Perspectives of Rehabilitation
 Medical Aspects of Disability A
 Medical Aspects of Disability B
 Psychiatric Rehabilitation
 Elective I (from Gp. A)
 Elective II (from Gp. A)
 Elective III (from Gp. A or B)
 Elective IV (from Gp. A or B)
 Professional Practice III
 Philosophy and Politics of Disability and Rehabilitation
 Behaviour Disorders and Management

Year 4 (to be first offered in 2001)

Rehabilitation Counselling IIIA
 Rehabilitation Counselling IIIB
 Group Research Project
 Research Methods: Intermediate Statistics
 Elective V (from Gp. A)
 Elective VI (from Gp. A or B)
 Elective VII (from Gp. A or B)
 Professional Practice IV

C.2: Honours course (4 year full-time)**Year 1 and Year 2**

As for Pass course

Year 3

As for Pass course, plus:
 one Research Elective
 Honours Workshop

Year 4 (to be offered in 2001)

Rehabilitation Counselling IIIA
 Rehabilitation Counselling IIIB
 Professional Practice IV
 Thesis

Table D: Medical Radiation Technology, Nursing, Occupational Therapy, Physiotherapy

(Off-Shore Singapore Conversion Courses)

D.1: Medical Radiation Technology (1 year part-time)

Department Design and Safety Issues
 Computer Communication in Medical Radiation Technology
 Management of Equipment Selection
 The Quality Perspective Applied to Medical Radiation Technology
 Plus 4 Electives

Electives

Patient/Client Education
 Managing Resource Demands in Health Services
 Pathophysiology A
 Pathophysiology B
 Research Methods 1
 Research Methods 2
 Health Care Ethics
 Legal Perspective and Health Care
 Sociology of Work and Organisations
 Sociology of Patient-Practitioner Relations

D.2: Nursing (2 year part-time)**Year 1**

Nursing Knowledge and Health Care in Singapore
 Health Care Ethics
 Legal Perspective and Health Care
 Patient/Client Education
 Managing Resource Demands in Health Services
 Pathophysiology A
 Pathophysiology B

Year 2

Advanced Clinical Studies 1
 Research Methods 1
 Research Methods 2
 Advanced Clinical Studies 2
 Sociology of Work and Organisations
 Sociology of Patient-Practitioner

D.3: Occupational Therapy (1 year part-time)

Community Based Program Development
 Managing Occupational Therapy Services
 Cognitive and Perceptual Components
 Advanced Communication Techniques
 Plus 4 Electives

Electives

Managing Resource Demands in Health Services
 Pathophysiology A
 Pathophysiology B
 Health Care Ethics
 Legal Perspective and Health Care
 Sociology of Work and Organisations

D.4: Physiotherapy (1 year part-time)

Evaluation in Physiotherapy
 Topics in Physiotherapy Management
 Advanced Physiotherapy Studies
 Plus 4 Electives

Electives

Patient/Client Education
 Managing Resource Demands in Health Services
 Pathophysiology A
 Pathophysiology B
 Health Care Ethics
 Legal Perspective and Health Care

Table E: Medical Radiation Technology, Occupational Therapy, Physiotherapy

(On-Shore Singapore Conversion Courses)

E.1: Medical Radiation Technology

Year 1

Behavioural Science IIIA
 Behavioural Science IIIB
 Radiation Protection
 Radiation Biology
 Image Processing A
 Image Processing B
 Field Project A
 Field Project B
 PLUS
 Sonography A
 Sonography B
 Imaging IIA
 Imaging IIB
 Radiography IIA
 Radiography IIB
 Radiographic Pathology II
 Contrast Media
 OR
 Radiation Therapy IIA
 Radiation Therapy IIB
 Radiotherapy Physics IIA
 Radiotherapy Physics IIB
 Principles of Oncology A
 Principles of Oncology B
 Radiation Therapy Project

E.2: Occupational Therapy Pass course (1 year)

Year 1

Sociology Elective
 Components of Occupational Performance
 Occupational Therapy Theory & Process IVA
 Occupational Therapy Theory & Process IVB
 Human Occupations
 Evaluation of Occupational Therapy Programs
 Elective Study
 Fieldwork Education

E.3: Occupational Therapy Honours (2 semesters plus inter-semester break)

Year 1

Sociology Elective
 Components of Occupational Performance
 Occupational Therapy Theory & Process IVB
 Human Occupations
 Fieldwork Education
 Honours Research Seminar I
 Honours Research Seminar II
 Research Elective
 Honours Dissertation A
 Honours Dissertation B

E.4: Physiotherapy Pass course (1 year)

Year 1

Health Medicine and Society
 Health Psychology
 Physiotherapy in Neurology III
 Cardiopulmonary Physiotherapy III
 Musculoskeletal Physiotherapy IV
 Topics in Physiotherapy IV
 Research and Investigation II
 Research and Investigation III
 Clinical Education IIIB
 Clinical Education IIIC

Master's degrees

Subject areas

1. The degree of Master of Applied Science may be taken in the following subject areas:
 - (i) Behavioural Science
 - (ii) Biomedical Sciences
 - (iii) Communication Sciences and Disorders
 - (iv) Community Health
 - (v) Education
 - (vi) Exercise and Sport Science
 - (vii) Gerontology
 - (viii) Health Information Management
 - (ix) Medical Radiation Sciences
 - (x) Occupational Therapy
 - (xi) Orthoptics
 - (xii) Physiotherapy
 - (xiii) Rehabilitation
 - (xiv) Rehabilitation Counselling
 - (xv) Stuttering
 - (xvi) Voice
2. Master of Communication Disorders
3. The degree of Master of Health Science may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
 - (i) Behavioural Science
 - (ii) Child and Adolescent Health
 - (iii) Community Health
 - (iv) Education
 - (v) Exercise and Sport Science
 - (vi) Gerontology
 - (vii) Indigenous Community Health
 - (viii) Manipulative Physiotherapy
 - (ix) Medical Radiation Sciences
 - (x) Occupational Therapy
 - (xi) Physiotherapy
 - (xii) Sports Physiotherapy.
4. The following degrees may be awarded in the grade of Pass degree or Honours degree:
 - (i) Master of Occupational Therapy
 - (ii) Master of Rehabilitation Counselling
5. Master of Health Science Management

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the Head of the Department, School, 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;
 - (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 accordance with the provisions of Chapter 10 of the By-laws.

Availability

3. Admission to candidature for any Master's degree or any program within a Master's degree may be limited by quota.
4. In determining any quota the University will take into account:
 - (a) availability of resources including space, library, equipment and computing facilities; and
 - (b) availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.
5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select

in preference applicants who are most meritorious in terms of section 2 above.

6. Before recommending the admission of any applicant the Head of the Department, 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

1. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Method of progression

9. A candidate shall proceed:
(a) primarily by research and thesis; or
(b) by coursework and thesis; or
(c) primarily by coursework.

Time limits

10. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.
- 11.(1) Except with the permission of Faculty or 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 fourth semester and not later than the end of the sixth 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 Occupational Therapy, where the minimum candidature is four semesters and maximum candidature is eight semesters;
(c) a part-time candidate proceeding either 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 tenth semester of candidature;
(d) a part-time candidate proceeding by coursework shall complete the requirements not earlier than the end of the fourth semester, and not later than the end of the tenth semester of candidature.
- (2) The Faculty may in special circumstances extend a candidate's maximum period of candidature and may prescribe special conditions to be fulfilled by the candidate;
(3) The Faculty, at the time of admission to candidature, may permit a candidate proceeding primarily by research and thesis who holds a bachelor 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 Department, 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 Department, School or Centre concerned, a full-time member of the academic staff of the Faculty to act as supervisor or advisor, as thought most appropriate for each candidate proceeding primarily by coursework.
(3) The Faculty may appoint, on the recommendation of the Head of the Department, 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 courses.
16. (1) A candidate for the degree proceeding primarily by research and thesis or by coursework and thesis shall:
(a) complete the courses for the degree as prescribed by the Faculty and set out in tables of courses;
(b) carry out supervised research on a topic which has been approved by the Faculty on the recommendation of the head of the department, 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 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 department, school, or centre concerned, shall appoint two examiners, of whom at least one shall not be a member of the academic staff of the Faculty. At least one examiner should be selected from within the university. The student's supervisor(s) shall not be an examiner.
18. The reports of the examiners shall be made available to the head of the department, school, or centre concerned who shall consult with the supervisor.
19. The head of the department, school, or centre concerned shall report the result of the examination of the candidature together with a recommendation concerning the award of the degree to the Faculty Board which shall determine the result.
20. In special cases the Faculty may, on the recommendation of the head of the department, 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 Cumberland Campus or at such other location as may be determined by the Faculty.
21. 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 department, school, or centre concerned the candidate's work is of sufficient merit, and may prescribe special conditions to be fulfilled by the candidate.
22. On the completion of the requirements for the degree by a candidate proceeding primarily by coursework the head of the department, school, or centre concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

Progress

23. (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 department, school, or centre concerned.
24. The Faculty may, on the recommendation of the head of the department, 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.

Diploma of Health Science

1. (1) The Diploma of Health Science may be awarded in the areas of:
(a) Aboriginal Health and Community Development.
2. (1) A unit 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, department, or centre concerned.
(2) The words 'to complete a unit' and derivative expressions mean:
(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
3. Where in these resolutions a power is given to the Faculty or a head of school, department, or centre subject to any express indication to the contrary or resolution passed by the Faculty, or a head of school or department may, in their discretion, in any particular case:
(a) exercise the power,
(b) exercise the power conditionally, or
(c) decline to exercise the power.
4. (1) A candidate readmitted to candidature for the diploma after an absence of more than one year shall complete the diploma under such conditions as the Faculty shall determine.
(2) Except with the permission of the Faculty, on the recommendation of the head of the school, department, or centre concerned, a candidate shall not enter a subject unless entry requirements prescribed for that subject have been satisfied.
5. A candidate may be granted credit towards the diploma on the basis of a subject or subjects regarded by the Faculty, on the recommendation of the head of school, department, or centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the diploma requirements.
6. A candidate for the diploma shall complete the units as set out in the following tables in respect of the appropriate diploma area.

Diploma of Health Science

A. Aboriginal Health and Community Development (2 year full-time block attendance, plus off-campus)

Year 1

Perspectives in Indigenous Health I
 Communication Studies I
 Primary Health Care I
 Community Development I
 Introduction to Counselling Skills
 Elective Studies IA
 Elective Studies IB
 Field Education I

Year 2

Perspectives in Indigenous Health II
 Communication Studies II
 Primary Health Care II
 Community Development II
 Counselling Theory and Methods A
 Elective Studies IIA
 Elective Studies IIB
 Field Education II

Graduate diplomas and graduate certificates

Subject areas

1. (1) The Graduate Diploma of Health Science may be taken in the following subject areas:
 - (i) Behavioural Science
 - (ii) Child and Adolescent Health
 - (iii) Clinical Data Management
 - (iv) Community Health
 - (v) Education
 - (vi) Exercise and Sport Science
 - (vii) Gerontology
 - (viii) Health Information Management
 - (ix) Indigenous Community Health
 - (x) Manipulative Physiotherapy
 - (xi) Medical Radiation Sciences
 - (xii) Medical Sonography
 - (xiii) Physiotherapy
 - (xiv) Sports Physiotherapy
 - (xv) Vision Impairment
- (2) A Graduate Diploma may be taken in the following subject area:
 - (i) Rehabilitation Counselling.
- (3) The Graduate Certificate of Health Science may be taken in the following areas:
 - (i) Behavioural Science
 - (ii) Casemix
 - (iii) Child and Adolescent Health
 - (iv) Clinical Data Management
 - (v) Education
 - (vi) Indigenous Community Health
 - (vii) Medical Radiation Sciences
 - (viii) Occupational Therapy
 - (ix) Physiotherapy
 - (x) Vision Impairment.

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the head of the department, school, or centre concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant is:
 - (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;
 - (b) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty;
 - (c) 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, has the appropriate time available and meets any additional requirements for admission to a particular program that have been prescribed by the Faculty.
- (2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature for the graduate diploma or graduate certificate in accordance with the provision of Chapter 10 of the by-laws.

Availability

3. Admission to candidature for a graduate diploma or graduate certificate or any program within those diplomas or certificates 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 department or 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.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
- (2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Time limits

9. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

Credit

- 10.(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 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

- 11.(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 of the Degree

12. A candidate for the graduate diploma or graduate certificate shall complete the courses for the graduate diploma or graduate certificate as prescribed by the Faculty and set out in the table of courses.
13. On completion of the requirements for the graduate diploma or graduate certificate the head of the department or school concerned, shall report the results of the examination of the coursework to the Faculty which shall determine the results of the candidature.

Progress

14. The Faculty may, on the recommendation of the head of the department, 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 graduate diploma or graduate certificate and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

Undergraduate code of practice

Introduction

The University of Sydney is an institution of higher education in which the quality of teaching and learning are of the highest standard. Major Goal 1 in the University Plan 1994-2004 states: 'The University of Sydney will maintain and enhance its position as an outstanding provider of high quality undergraduate and postgraduate teaching, both in Australia and internationally'. The University acknowledges its responsibility to provide a stimulating and challenging intellectual environment for all students. The following code of practice, which is designed to complement the University Code of Practice for Supervision of Postgraduate Research Candidates, sets out the general responsibilities of the University, faculties or colleges, departments or schools, and individual teachers in creating that environment. The following guidelines must be read in conjunction with University regulations for particular degrees, the defined roles of heads of departments and schools, deans and faculties and colleges, the Policy Documents on Teaching Activities and Degree Programs and Courses adopted by the Academic Board in 1994, and the AVCC Guidelines for Good Practice in Fourth Year Honours Programs.

A. Responsibilities at the University level

The University has the responsibility

- a. to ensure that appropriate University policies in respect of undergraduate teaching, learning and assessment are developed, kept under review and are effectively promulgated
- b. abide by the University's policies on occupational health and safety so that students study and work in a safe and healthy environment
- c. to ensure that adequate support services and hardware resources are available in such areas as learning assistance and information technology
- d. to ensure that adequate development opportunities in teaching, learning and assessment practices are available to teachers of undergraduates through the Centre for Teaching and Learning, and/or through programs developed by departments, faculties and clinical schools
- e. to ensure that clear policies exist with respect to the intellectual property rights of students and that students are aware of those rights
- f. to ensure that all students are free in all matters relevant to enrolment, assessment and membership of the University community from discrimination or harassment on the basis of race, gender, age, political or sexual preference, marital status, religion, disability or personal beliefs
- g. to uphold the AVCC Guidelines for Effective University Teaching
- h. to have students on appropriate University committees, who will be provided with the same information as all other committee members, to enhance their effectiveness
- i. to uphold information privacy principles relevant to personal student information in accordance with the University's policy on privacy and current legislation, including Freedom of Information
- j. to provide a timetabled study vacation period of at least one week before each end of semester examination period except in those faculties where this practice is inappropriate
- k. to ensure a quality learning environment, including appropriate and properly maintained facilities.

B. Responsibilities at the College or Faculty level

The Faculty or College has the responsibility

- a. to ensure that applicants for admission to candidature are properly qualified with respect to the minimum requirements for entry to the program concerned and with respect to the particular course of study proposed
- b. to ensure the appropriate timing of compulsory subjects and the availability of sufficient optional subjects so that a student passing all subjects at the first attempt may complete the course of study within the specified minimum time
- c. to contribute to course, academic staff and curriculum development through conducting regular evaluation processes, including student evaluations. Reports on the results of student evaluations will be made available to the students in relation to curriculum development activities
- d. where appropriate to have students on faculty or college committees, who will be provided with the same information as other committee members, to enable those students to be as effective as possible
- e. to adhere to the procedures laid down by the Academic Board for developing new programs or making major changes to existing programs
- f. regularly review assessment practices.

C. Responsibilities at the Departmental level

These responsibilities are those of the Head of Department/School. They may however in many instances be delegated to an undergraduate coordinator or be exercised through a departmental committee. Such delegations must be clearly defined. The Department/School has the responsibility

- a. to encourage staff to participate in workshops, seminars and forums relating to teaching (including those that relate to teaching cross culturally and acquiring skills in non-discriminatory teaching practice), learning and assessment organised by departments, faculties, clinical schools and/or the Centre for Teaching and Learning
- b. to provide no later than the end of the first week of the commencement of a subject accurate written information concerning all relevant aspects of chosen subjects and to further provide written advice of the aims and objectives of each course, attendance and class requirements, the methods of assessment to be used and the weighting of that assessment
- c. to return assessed written work (excluding examination scripts) within a reasonable time with comments appropriate to the assessment
- d. to ensure that all assessment is appropriately related to the objectives of the subject
- e. to grant special consideration or make special arrangements where performance is adversely affected by documented illness, disability or other serious cause
- f. to provide access by appointment to academic staff outside timetabled class time
- g. where appropriate to have students on departmental committees, who will be provided with the same information as other committee members, to enable them to be as effective as possible
- h. to ensure that courses use relevant teaching and learning strategies, including, where appropriate, contemporary information and learning technology tools.

D. Responsibilities of students

Each student has a responsibility

- a. to be familiar with both the legislative and other requirements for the degree as set out in the faculty handbooks, or included in any other published departmental and faculty guidelines
- b. to ensure that all administrative requirements of the faculty and University, such as re-enrolling each year, are met
- c. to adhere to attendance and assessment requirements that are prescribed by the University, faculty and department/school

- d. to adhere to the relevant by-laws and rules relating to ethical behaviour and good conduct that are prescribed by the University and relevant professional bodies.

Copies of this policy can be obtained at www.usyd.edu.au/su/planning/policy/.

General University information (Camperdown campus)

See also the Glossary for administrative information relating to particular terms.

Admissions Office

Student Centre
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4117 or (02) 9351 4118
Fax: (02) 9351 4869

Email: admissions@records.usyd.edu.au

The Admissions Office is responsible for overseeing the distribution of offers of admission and can advise prospective local undergraduate students regarding admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution, phone (02) 9351 3611 for more information. For enquiries regarding Special Admissions (including Mature-Age Entry), phone (02) 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office.

Applying for a course

Prospective (intending) students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Note that some faculties, such as Dentistry, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Assessment

For matters regarding assessment, refer to the relevant Department.

Careers information

Courses and Careers Unit
Ground Floor, Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3481
Fax: (02) 9351 5134

Email: info@careers.usyd.edu.au

<http://www.careers.usyd.edu.au>

Provides careers information and advice, and help in finding course-related employment both while you're studying and when you commence your career.

Continuing Education

Centre for Continuing Education
Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2585
Fax: (02) 9351 5022

Email: info@cce.usyd.edu.au

<http://www.usyd.edu.au/cce>

Bridging courses; Study skills courses; essay writing courses.

Co-op Bookshop

Sydney University Sports and Aquatic Centre, G09
The University of Sydney
NSW 2006 Australia

Phone: (02) 9351 3705 or (02) 9351 2807

Fax: (02) 9660 5256

Email: sydu@mail.coop-bookshop.com.au

<http://www.coop-bookshop.com.au>

Sells textbooks, reference books, general books and software. Special order services available.

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent with the UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the Faculty in which you are enrolling, but is usually within the last week of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On the enrolment day, you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies. You also choose your first-year units of study, so it's important to consult the Handbook before enrolling.

All other students

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

Examinations

Examinations and Exclusions Office
Student Centre

Level 1, Carslaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4005 or (02) 9351 4006

Fax: (02) 9351 7330

Email: exams.office@exams.usyd.edu.au

The Examinations and Exclusions Office looks after the majority of exam papers, timetables and exclusions. Some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Fees

Fees Office

Margaret Telfer Building, K07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 5222

Fax: (02) 9351 4202

For information on how to pay, where to pay, and if payments have been received.

Graduations

Student Centre

Ground Floor, Carslaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3199, (02) 9351 4009

Protocol (02) 9351 4612

Fax: (02) 9351 5072

Email: k.fizzell@records.usyd.edu.au

(Grievances) Appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters. In some cases the by-laws or resolutions of the Senate (see Calendar Volume 1) specifically provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's web site at <http://www.usyd.edu.au/su/planning/policy/index.htm>.

General university information (Camperdown campus)

If you wish to seek assistance or advice regarding an appeal, contact: SRC, Level 1, Wentworth Building, G01, The University of Sydney, NSW 2006. Phone +61 2 9660 5222. Parking appeals should be addressed to the Manager, Campus Services.

Health Services

Provides full general practitioner services and emergency medical care to the University community.

Email: Director@unihealth.usyd.edu.au
<http://www.unihealth.usyd.edu.au/>

University Health Centre (Wentworth)

Level 3, Wentworth Building, G01

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3484

Fax: (02) 9351 4110

University Health Centre (Holme)

Ground Floor, Holme Building, A09

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4095

Fax: (02) 9351 4338

HECS

Student Centre

Ground Floor, Carlaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2086, (02) 9351 5659, (02) 9351 5062

Fax: (02) 9351 5081

International Student Centre

International Office

Level 2, Margaret Telfer Building, K07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4161, (02) 9351 4079

Fax: (02) 9351 4013

Email: info@io.usyd.edu.au, reception@io.usyd.edu.au

http://www.usyd.edu.au/homepage/exterel/internat/int_student_centre.html

Provides assistance with application, admission and enrolment procedures for international students.

International Student Services Unit

Level 2, Margaret Telfer Building

The University of Sydney, K07

NSW 2006 Australia

Phone: (02) 9351 4749

Fax: (02) 9351 4013

Email: info@issu.usyd.edu.au

<http://www.usyd.edu.au/su/issu/>

Provides an advisory and counselling service to international students.

Koori Centre

Ground Floor, A22 Old Teachers' College

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2046 General Enquiries

(02) 9351 7003 Liaison Officer

(02) 9351 7073 Student Counsellor

Fax: (02) 9351 6923

Email: adminoff@koori.usyd.edu.au

<http://www.koori.usyd.edu.au/>

Tutorial assistance: access to computers, Indigenous

counsellor, Aboriginal Studies library study rooms,

Orientation program at the beginning of the year, and

assistance in study and learning skills. Education Unit: courses

in Educations for ATSI students. Indigenous Studies Unit:

aims to increase the awareness of Indigenous Australian issues

through courses across the University.

Language Centre

Level 2, Christopher Brennan Building, A18

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2371

Fax: (02) 9351 4724

Email: Langcent.enquiries@language.usyd.edu.au

<http://www.arts.usyd.edu.au/langcent>

Provides self-access course materials in over 100 languages; beginners and intermediate courses in Spanish language and Culture; beginners and advanced courses in Celtic languages and cultures.

Library

Fisher Library, F03

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2993 Enquiries/Information Desk

(02) 9351 3711 Library Hours

(02) 9351 7273 Borrowers' Cards

(02) 9351 6692 Holds Enquiries

(02) 9351 7277 Inter-library Loans

(02) 9351 2265 Loans, overdues enquiries

Fax: (02) 9351 2890 Administration

(02) 9351 7278 Renewals

Email: fishinf@library.usyd.edu.au (gen enquiries)

loaneng@library.usyd.edu.au (loan enquiries)

regill@library.usyd.edu.au (inter-library loans)

<http://www.library.usyd.edu.au>

In addition to Fisher Library, there are over 20 branch and departmental libraries. Branch and departmental libraries should be contacted direct.

Mathematics Learning Centre

Fourth floor, Room 455, Carlaw, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4061

Fax: (02) 9351 5797

Email: MLC@mail.usyd.edu.au

<http://www.usyd.edu.au/su/mlc/>

Runs bridging courses in Mathematics at the beginning of the academic year (fees apply), and provides on-going support during the year through individual assistance and small group tutorials.

Part-time, full-time

Students are normally considered as full-time if they have a HECS weighting of at least 0.375 each semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

Privacy and Freedom of Information

The NSW Freedom of Information (FOI) Act 1989 provides the public with a legally enforceable right of access to University documents, subject to particular exemptions. The Act also enables individuals to ensure that information held about them is accurate, up-to-date, and complete. The University has a number of policies permitting access by individuals to information about themselves without recourse to the Freedom of Information Act.

The University necessarily accumulates a great deal of information on individuals; within the University, access to this is restricted to staff who need the information to carry out their duties. As regards external requests for personal information, it is current policy that the University will disclose information to a third party if the subject of the information has consented in writing to the disclosure, or if the University has a legal obligation to respond to a request, including a subpoena, and the request is in the appropriate written form.

The University's Privacy Policy is to be reviewed in the light of the recent NSW Privacy and Personal Information Protection Act. Enquiries should be directed to the: Freedom of Information Coordinator and Privacy Officer c/- Archives, Main Quadrangle, A14
 Phone: (02) 9351 4263
 Fax: (02) 9351 7304
 Email: trobins@mail.usyd.edu.au
<http://www.usyd.edu.au/su/foi>

Scholarships

Research and Scholarships Office
 Room K4.01, Main Quadrangle, A14
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3250
 Fax: (02) 9351 3256
 Email: scholars@reschols.usyd.edu.au
<http://www.usyd.edu.au/su/reschols/scholarships>
 The Sydney Conservatorium of Music administers all awards designated exclusively for Conservatorium students.

Student Centre

Ground Floor, Carlaw Building, F07
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3023 General Enquiries
 (02) 9351 4109 Academic Records
 (02) 9351 3023 Discontinuation of Enrolment
 (02) 9351 5057 Handbooks
 (02) 9351 5060 Prizes
 Fax: (02) 9351 5081; (02) 9351 5350 Academic Records

Student identification cards

In 1999 the University incorporated a photograph into the student identification card. This means that all students have to provide a colour, passport-sized, head and shoulders photograph when they attend on campus sites to have their student ID card laminated. University student ID cards also function as transport concession cards for eligible students, thus eliminating the need for a separate concession card. The endorsement for concession travel will take the form of a hologram sticker attached to the front of the student ID card.

Student organisations

Students' Representative Council
 Level 1, Wentworth Building, G01
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9660 5222
 (02) 9660 4756 Secondhand Bookshop
 Fax: (02) 9660 4260
 Email: postmaster@src.usyd.edu.au
<http://www.sec.usyd.edu.au>
University of Sydney Union
 Box 500, Holme Building, A09
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9563 6000 Switchboard/Enquiries
 Fax: (02) 9563 6239
 Email: email@usu.usyd.edu.au
<http://www.usu.usyd.edu.au/>
 Main provider of catering facilities, retail services, welfare programs, and social and cultural events for the University community on the Camperdown and Darlington campuses, and at many of the University's affiliated campuses.
Sydney University Sports Union
 University Sports and Aquatic Centre, G09
 The University of Sydney
 NSW 2006 Australia

Phone: (02) 9351 4960
 Fax: (02) 9351 4962
 Email: sports_union@susu.usyd.edu.au
 Services, facilities and clubs for sport, recreation and fitness.
Women's Sports Association
 Sports Centre, A30
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9660 6355, (02) 9351 2057
 Fax: (02) 9660 0921
 Email: secretary@suwsa.usyd.edu.au
<http://www.usyd.edu.au/su/suwsa/welcome.html>
 Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.

Student Services

<http://www.usyd.edu.au/su/stuserv/>
Accommodation Service
 Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3312
 Fax: (02) 9351 8262
 Email: accomm@stuserv.usyd.edu.au
<http://www.usyd.edu.au/su/accomm/>
Casual Employment Service
 Level 4, Holme Building, A09
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9552 2589
 Fax: (02) 9552 4713
 Email: ces@stuserv.usyd.edu.au
http://www.usyd.edu.au/su/cas_emp/
Counselling Service
 Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 2228
 Fax: (02) 9351 7055
 Email: lpoerio@mail.usyd.edu.au
www.usyd.edu.au/su/counsel/
Disability and Welfare Services
 Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 4554
 Fax: (02) 9351 7055
 Email: cstuckin@mail.usyd.edu.au
<http://www.usyd.edu.au/su/disability/>
Financial Assistance
 Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 2416
 Fax: (02) 9351 7055
 Email: psweet@mail.usyd.edu.au
http://www.usyd.edu.au/su/fm_assist
Learning Assistance Centre
 Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3853
 Fax: (02) 9351 4865
 Email: lac@stuserv.usyd.edu.au
<http://www.usyd.edu.au/su/lac/>
 Holds free workshops to assist undergraduate and postgraduate students wanting to improve their academic writing and communication skills at university.

Glossary

This glossary both defines terms in common use in the University and gives some useful administrative information.

Enrolment and general terms

Academic year

The period during which teaching takes place, from March to November. The academic year is divided into two semesters.

Advanced standing

(See also: Credit) Recognition of previous experience or studies, meaning that the candidate has satisfied the entry requirements for a unit. Advanced standing does not reduce the number of credit points required to complete the degree course.

Associate Diploma

The undergraduate award granted following successful completion of Associate Diploma course requirements. An Associate Diploma course usually requires less study than a Diploma course.

Assumed knowledge

The level of knowledge expected for entry to a Unit of Study. Unlike prerequisites, levels of assumed knowledge are not compulsory for entry to a Unit. Students who do not have the assumed knowledge may, however, be at a considerable disadvantage and may consider completing a bridging course prior to enrolment. Contact the Learning Assistance Centre, Mathematics Learning Centre, Language Centre or Centre for Continuing Education for further information.

Bachelor's degree

The highest undergraduate award offered at the University of Sydney (other undergraduate awards are Associate Diploma and Diploma). A Bachelor's degree course normally requires three or four years of full-time study (or the part-time equivalent).

Campus

The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Australian Graduate School of Management), Camperdown and Darlington ('Main campus'), Camden (Agriculture and Veterinary Science), Conservatorium (Sydney Conservatorium of Music), Cumberland (Health Sciences and Nursing), Mallett Street (Nursing), Orange Agricultural College, Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Chancellor

(See also: Vice-Chancellor) The non-resident head of the University.

Combined degree course

A program consisting of two degree courses taken together, which usually requires less time than if the courses were taken separately.

Core

(See also: Elective/Option) A Unit of Study that is compulsory for the course or subject area.

Corequisite

A Unit of Study that must be taken with a given Unit. If a corequisite is not successfully completed, it becomes a prerequisite for further study in that subject area.

Course

A complete degree or diploma program.

Credit

(See also: Advanced standing) Recognition of previous studies or studies completed at another institution. If credit is granted then the number of credit points required for completion of the degree course is reduced.

Credit point

A measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as total credit point value.

Dean

The head of a faculty.

Deferment of enrolment

People who have not previously attended a recognised tertiary institution are normally able to defer commencement of their candidature for one year. Applications are handled by the Admissions Office of the University. Application for deferment must be made during the UAC enrolment week at the 'Deferment' desk in MacLaurin Hall and be accompanied by the 'offer of enrolment' card.

Degree

The award conferred following successful completion of a degree course (for example Bachelor's degree or Master's degree).

Department/School

The academic unit responsible for teaching in a given subject area.

Diploma

The award granted following successful completion of Diploma course requirements. A Diploma course usually requires less study than a degree course. Graduate Diploma courses are for graduates only.

Doctorate

(See also: PhD) The Doctorate and the PhD are the highest awards available at the University of Sydney. A Doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a Doctorate course often requires completion of a Master's degree course. Note that the Doctorate course is not available in all Departments of the University of Sydney.

Elective/Option

(See also: Core) A Unit of Study that may be taken towards, but is not compulsory for, a course or subject area.

Enrolment

The process whereby an applicant officially accepts the offer of a place in a particular course. If UAC application is successful, an 'offer of enrolment' card is mailed to the applicant, along with instructions for enrolment. In most cases, the applicant must attend the University on a particular enrolment day or, if unable to attend, must appoint somebody to enrol on his or her behalf. Units of Study (for March Semester or whole of First Year) must be nominated on enrolment day. Academic records and HECS liability calculations are based on the enrolment details, so students must ensure that the Faculty holds correct enrolment information (see also: Variation of enrolment).

Entry requirement

The level of knowledge and/or experience required for entry to a particular Unit of Study.

Faculty

The administrative unit responsible for overseeing satisfactory progress during a degree or diploma course.

Full-time

A study load usually defined in terms of HECS weighting of at least 0.375 each semester.

Intermediate

Faculty of Science: Second-year level.

Junior

First-year level.

Laboratory practical

See: Practical.

Lecture

(See also: Tutorial) A class given to a large group of students, during which the lecturer speaks or presents audiovisual material and students take notes.

Major

The subject area(s) in which a student specialises at Senior level. Students usually specialise in one (single major) or two (double major) subject areas. The major is usually recorded on the testamur.

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 undergraduate level.

Mature age

A category of Special Admission applicants who are 21 years or older on 1 March of the year in which they want to study and who do not have the high school qualifications normally required for entry into a course.

Minor

Subject areas in which a student studies, but does not specialise at Senior level.

Orientation period

'O Week' takes place during the week prior to lectures in March semester. During O Week, students can join various clubs, societies and organisations, register for courses with Departments and take part in activities provided by the University of Sydney Union.

Part-time

A study load usually defined in terms of HECS weighting of less than 0.375 each semester.

PhD

(See also: Doctorate) The Doctor of Philosophy (PhD) and other Doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a Master's degree course. Note that the PhD course is available in most Departments of the University of Sydney.

Postgraduate

The term used to describe a course leading to an award such as Graduate Diploma, 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.

Practical

Similar to a tutorial, during which experiments or other relevant applied activities are carried out.

Prerequisite

A Unit of Study that must be taken prior to entry to a given Unit.

Prohibition

A Unit of Study that cannot be taken with a given Unit.

Recommended reading

Reading material that is suggested but not compulsory for a Unit of Study.

Registrar

The head of the administrative divisions of the University.

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 the Orientation period (O' Week). Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Resolutions of Senate

Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic matters.

School

Similar to a large Department, otherwise a grouping of Departments.

Semester

A period of 14 weeks during which teaching takes place. There are two semesters each year for most faculties. Semesters are named by the month in which they start, typically 'March' and 'July'

Senior

Second-year level or higher.
Faculty of Science: third-year level.

Special Admission

Certain categories of applicants, such as mature-age applicants, students who have experienced educational disadvantage or Aboriginal or Torres Strait Islander applicants, may apply for admission to the University under one of several Special Admission schemes. Contact the Special Admissions office for further information.

Subject area

One or more Units of Study that comprise a particular field of study (eg Japanese or Chemistry).

Textbook

Reading material that the student is expected to own.

Tutorial

(See also: Lecture) A small class consisting of a tutor and up to about 25 students, during which concepts raised in lectures are discussed in detail and may be supplemented with readings, demonstrations and presentations.

UAI

The University Admissions Index (UAI) is the numerical expression of a student's performance in the NSW Higher School Certificate (HSC), which takes into account both assessment and examination results.

UAI cut-off

The UAI of the last student admitted to a course. Some courses have a minimum UAI as an entry requirement.

Undergraduate

The term used to describe a course leading to a diploma or Bachelor's degree. An 'undergraduate' is a student enrolled in such a course.

Unit of Study

A stand-alone component of a degree or diploma course that is recordable on the academic transcript.

Universities Admissions Centre (UAC)

The organisation that processes applications for most NSW undergraduate university and TAFE courses.

Variation of enrolment

The process whereby students officially notify the Faculty of changes regarding the Units of Study they are attending. This must be done by a certain deadline in each semester, to avoid penalties such as 'discontinued' results on the academic transcript (see: Results) or unnecessary HECS charges.

Vice-Chancellor

(See also: Chancellor) The administrative head of the whole University, including academic and administrative divisions.

Costs

Bursary

A sum given to a student who has limited resources or is experiencing financial hardship, ranging from \$100 to \$1000.

Fees (full-fee undergraduate/postgraduate)

Tuition, examination or other fees payable to the University by an enrolled or enrolling student in connection with a course of study or attendance at the University and includes fees payable in respect of the granting of a degree, diploma, associate diploma or other award. It does not include annual]

subscription to organisations such as the Union or SRC, or fees payable in respect of residential accommodation.

HECS

All Australian undergraduate students are currently required to contribute to the cost of tertiary education through the Higher Education Contribution Scheme (HECS), which is administered under the Higher Education Funding Act 1988. Under HECS students pay for part of the cost of their higher education and the Commonwealth pays the rest. The amount payable is determined by the units of study a student chooses to undertake in the case of coursework awards, or the attendance (full-time or part-time) in the case of research students.

Prize

Matriculation, undergraduate and postgraduate funding automatically awarded on academic results in courses, yearly examinations or on the recommendation of the Head of Department. There are also prizes for essay writing and composition by anonymous application. Prize values range from \$100 to \$6250.

Scholarship

Matriculation and undergraduate funding by application awarded on UAI results for students enrolling in the first year of a degree course. Postgraduate funding for full-time candidates enrolled in a research degree course with scholarship conditions and benefits varying according to specific awards. The intention is to encourage and support scholarship at the University in general or in targeted areas.

Assessment, Examination, Satisfactory Progress and Graduation

Academic transcript/record

The official record of results for each student (see: Results).

Appeal

The process whereby a student may raise objections regarding results, Faculty decisions or other academic matters.

Assessment

(See also: Examination) The appraisal of a student's ability throughout the semester, by various means such as essays, practical reports or presentations, which counts towards the final mark or grade.

Candidate

Someone studying for a degree or diploma. The term may also be used to describe someone sitting for an examination.

Examination

(See also: Assessment) The appraisal of a student's ability, usually at the end of semester. Most examinations take place on campus under strictly supervised conditions but some Units make use of take-home or open-book examinations.

Exclusion

A ruling by the Faculty, which declares the student ineligible for further enrolment for reasons such as lack of satisfactory progress. Students who wish to re-enrol must show good cause why they should be allowed to re-enrol (see: Show cause and Satisfactory progress).

Grievances

See Appeals.

Grade

A category into which a student's final mark falls (see: Results).

Graduand

A person who has fulfilled the requirements of a degree but is yet to graduate.

Graduate

(See also: Postgraduate) A person who has graduated. Also a term used to describe a course leading to an award such as Master's degree or PhD or a student enrolled in such a course.

Graduation

The ceremony during which degrees are conferred and diplomas awarded.

Honours degree

A Bachelor's degree for which extra work (course work and/or thesis) has been completed, usually requiring an extra year of study.

Mark

(See also: Grade) The numerical result of assessments and/or examinations for a Unit of Study, which may be converted to a grade.

Pass degree

A Bachelor's degree.

Re-enrolment

The process by which continuing students enrol in Units of Study.

Results

The official statement of the student's performance in each Unit of Study attempted, as recorded on the academic transcript, usually expressed as a grade:

High Distinction

A mark of 85% and above

Distinction

A mark of 75-84%

Credit

A mark of 65-74%

Pass

A mark of 50-64%

Pass (Concessional)

A mark of 46-49%. The student is deemed to have completed unit requirements but may not necessarily proceed to the next level.

Fail

A mark of less than 50%

Withdrawn

This is the same as if the candidate had not enrolled in the course concerned. Although the University has a record of the withdrawal, the course and result will not appear on the official academic transcript. There is no HECS liability either. In order to have a course recorded as 'withdrawn', notice must be given by the candidate to the Faculty office on or before the deadline. Refer to the section on degree regulations.

Discontinued with Permission

This does not count as an attempt at the particular course, but does appear on the candidate's academic record. A candidate may have enrolment recorded as 'discontinued with permission' where: (1) notice is given to the faculty office on or before the deadline or; (2) after the deadline, evidence is produced of serious illness or misadventure. Refer to the section on degree regulations for deadlines. Discontinuation with permission does not mean that the student's progress is considered to be satisfactory.

Discontinued

This counts as an unsuccessful attempt at the course concerned and appears on the candidate's academic record. Where notice is given after the deadline for 'discontinued with permission' but before the last day of lectures for the course, the result is 'Disc.'. Refer to the section on degree regulations for deadlines.

Absent Fail

If the candidate misses the deadline for 'discontinued' and does not sit the final exam, the result is 'absent fail'.

Satisfactory progress

A minimum standard of performance required for continuation of enrolment. Senate resolutions rule that if a student fails or discontinues a year of candidature or a Unit of Study more than once then he or she is ineligible for re-enrolment (see: Exclusion and Show cause). Note that some faculties may have alternative or additional requirements for satisfactory progress.

Show cause

The Faculty may require a student to show good cause why he or she may be allowed to continue in the degree or diploma

Glossary

course, where requirements for satisfactory progress have not been met (see: Exclusion and Satisfactory progress).

Special consideration

The process whereby enrolled students who have experienced significant educational disadvantage may have their assessment deadlines or grades revised.

Study Vacation (Stuvac)

The week prior to the examination period in each semester, during which no classes are held.

Supplementary examination

An extra or alternative examination taken by a student who has experienced significant educational disadvantage during semester or the examination period. Note that some faculties do not offer supplementary examinations (see also: Special consideration).

Suspension of candidature

A complete break in the studies of an enrolled student, usually for a period of one year. Applications are handled by the Faculty office. (Those wishing to postpone commencement of a course need to apply for deferment, see: Deferment of enrolment).

Testamur

The document given to the graduand at graduation.

Thesis

A substantial piece of written work (sometimes called a dissertation) by a student, normally a candidate for an Honours degree or a higher award (such as Master's degree or PhD).

Weighted Average Mark (WAM)

A numerical expression of a student's performance throughout his or her degree program, usually assigning more 'weight' to Senior or Honours years. Note that the WAM calculation may differ for purposes such as eligibility for various scholarships and will vary from faculty to faculty.

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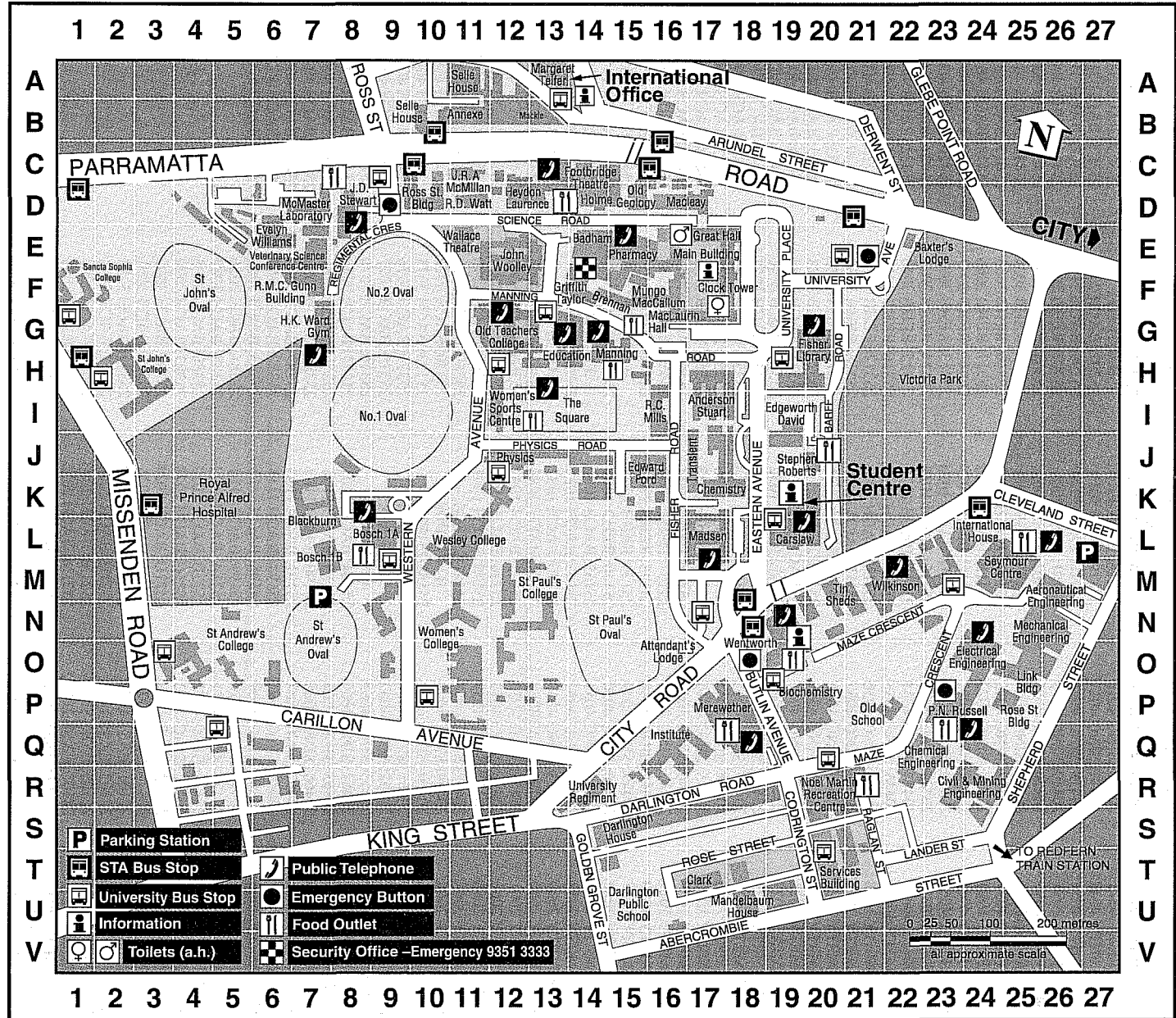
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 Copy Centre **21R**
 Counselling Service **13G**
 Crop Sciences **13F**
 Darlington House **14S**
 Dentistry Faculty Office & Dental Studies **Surry Hills**
 Development Office **16E**
 Disability Services **13G**
 Econometrics **17P**
 Economic History **17P**
 Economics, Dept & Faculty Office **17P**
 Edgeworth David Bldg **19J**
 Education Bldg & Faculty Office **13G**
 Educational Development & Evaluation **15K**
 Educational Psychology, Literacies & Learning **13G**
 Edward Ford Bldg **15K**
 Electrical Engineering **24O**
 Employment Service, Casual **14C**
 Engineering Faculty Office **25O**
 English **12E**
 Equal Employment Opportunity Unit **13A**
 Evelyn Williams Bldg **6E**
 Experimental Medicine **7K**
 External Relations Division **16E**
 Facilities Planning, Office of **20T**
 Family & Community Health in Nursing **Mallett St**
 Financial institutions
 Commonwealth Bank **14D**

Credit Union **14D**
 National Australia Bank **15E, 19N**
 Finance, Dept of **16Q**
 Financial Management & Reporting **13A**
 Financial Services Division **13A**
 Financial Systems Development **13A**
 Fine Arts (Art History & Theory) **151**
 Fisher Library **19G**
 Footbridge Theatre **14C**
 French Studies **15F**
 Garage, University **21T**
 Gender Studies **16G**
 General Practice **Westmead Hospital**
 Geography **16Q**
 Geology & Geophysics **19J**
 Germanic Studies **15F**
 Government & Public Administration **17P**
 Great Hall **18E**
 Greek, Modern **14F**
 Griffith Taylor Bldg **14F**
 Gunn, R. M. C. Bldg **7F**
 Health Information Management **Cumberland**
 Health Sciences Faculty Office **Cumberland**
 Healdi Service (Holme, Wentworth Bldg) **14C, 19N**
 History **15G**
 History & Philosophy of Science **19L**
 Holme Bldg **14D**
 Industrial Relations, Dept of **16Q**
 Infectious Diseases **7K**
 Information Technology Services **19U**
 Institute Bldg **16Q**
 International Office, International Student Services **13A**
 International House **23L**
 International Preparation Program **13B**
 Italian **15I**
 Jurisprudence St **James**
 Koori Centre **12G**
 Law Dept & Faculty Office **St James**
 Learning Assistance Centre **13G**
 Life Sciences in Nursing **Mallett St**
 Linguistics **16J**
 Link Bldg **25O**
 Lost Property **14F**
 Mackie Bldg **13B**
 MacLaurin Hall **16G**
 Macleay Bldg & Museum **16D**
 Madsen Bldg **17L**
 Mail Room (Internal) **20T**
 Main Bldg **17F**
 Management Studies **Burren St**
 Mandelbaum House **18U**
 Manning House **14H**
 Margaret Telfer Bldg **13A**
 Marketing, Dept of **16Q**
 Marketing & Publications **16E**
 Mathematics & Statistics **19L**
 McMasterBldg **7D**

McMillan, J. R. A., Bldg **11C**
 Mechanical & Aeronautical Engineering Bldg **25N**
 Mechanical Engineering **25N**
 Media Office **16E**
 Medical Radiation Technology **Cumberland**
 Medicine, Dept of **7K**
 Medicine, Faculty of **15K**
 Merewedier Bldg **17P**
 Microbiology **20P**
 Mills, R. C. Bldg **161**
 Mungo MacCallum Bldg **15G**
 Music, Dept of **24M**
 Nicholson Museum **16G**
 Nursing Therapeutics **Cumberland**
 Obstetrics & Gynaecology **9K**
 Occupational Therapy **Cumberland**
 Old Geology Bldg **15D**
 Old School Bldg **21P**
 Old Teachers' College Bldg **12G**
 Operations Accounting **13A**
 Orange Agricultural College **Orange Agricultural College Campus**
 Orthoptics **Cumberland**
 Paediatrics & Child Health **New Children's Hospital**
 Pathology **7K**
 Personnel Services **13A**
 Pharmacology **7L**
 Pharmacy **15E**
 Philosophy **17G**
 Photowise Imaging **20T**
 Physics **13J**
 Physiology **171**
 Physiotherapy **Cumberland**
 Planning Support Office **16E**
 Post Office **15E**
 Printing Services, University **20T**
 Professional Studies **13G**
 Properties & Investments **13A**
 Prospective Students Unit **12B**
 Psychological Medicine **4K**
 Psychology **14F**
 Purchasing **13A**
 Publications Office **16E**
 Public Health & Community Medicine **15K**
 Quadrangle **17F**
 Queen Elizabeth II Research Institute **9K**
 Regiment, University **14R**
 Religion, School of Studies in **12E**
 Research & Scholarships **16E**
 Revenue Services **13A**
 Risk Management **13A**
 Rose Street Bldg **24P**
 Ross Street Bldg **10D**
 Russell, Peter Nicol, Bldg **23P**
 St Andrew's College **50**
 St John's College **3H**
 St Paul's College **12N**



The University of Sydney Cumberland Campus

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Key

- A** - Faculty Office
Finance/Cashier
Personnel Services
Property Services Division
Purchasing
Student Administration Services
Student Counsellor
Student Welfare Services
- B** - Teaching Rooms - Level 0
Communication Sciences & Disorders - Level 1
- C** - Cumberland Health & Research Centre
CHRC Clinic
- D** - CHRC Offices
Continuing Professional Education Unit
- E** - Lecture Theatre / Auditorium
- F** - Food Services Canteen / Credit Union
- G** - Behavioural and Community Health Sciences
- H** - Exercise & Sport Science / Biomedical Sciences Laboratories
- J** - Occupation & Leisure Sciences - Level 0
Nursing (Cumberland) - Levels 1&2
- K** - Research Building
- L** - Anatomy & Physiology Laboratories
- M** - Medical Radiation Sciences - Levels 0,1,&2
Occupation & Leisure Sciences - Levels 3,4,&5
- N** - Nursing Specialist Area
- O** - Physiotherapy
- Q** - Ngallia Child Care Centre
- R** - Production Services and Central Store
Rehabilitation Research Centre - Level 0
Health Sciences Library - Levels 1&2
- S** - Biomedical Sciences
Communication Disorders Research and Treatment Clinics
Exercise & Sport Science
Information Technology Services
Physiotherapy Specialist areas
- T** - Teaching Rooms - Levels 1&2
Applied Vision Sciences - Level 3
Health Information Management - Level 3
National Centre for Classification in Health - Level 4
Yooroang Garang - Level 4
- U** - Student Guild
Co-Op Bookshop / Computer Shop
- V** - Sports Hall
- W** - Building & Grounds Workshop
- Y** - Yannadah (Student Residence)

