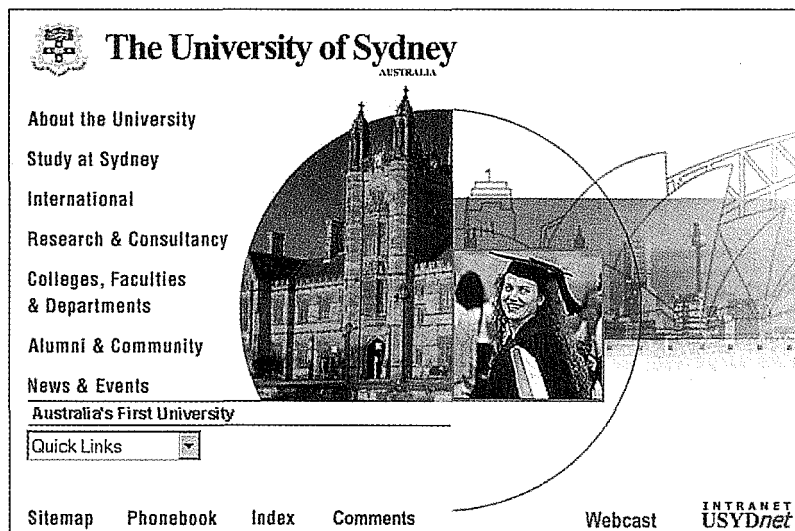




The University of Sydney

Faculty of Health Sciences
Postgraduate Handbook 2000



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Faculty semester and vacation dates 2000

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http://www.usyd.edu.au/su/planning/policy/acad/3_0aca.html

Last dates for withdrawal or discontinuation 2000

	Day	Date		Day	Date
First Semester lectures begin	Monday	28 February	<i>Semester 1 units of study</i>		
Easter recess			Last day to add/delete a unit	Friday	31 March
Last day of lectures	Thursday	20 April	Last day for withdrawal	Friday	31 March
Lectures resume	Monday	1 May	<i>Semester 2 units of study</i>		
Study vacation: 1 week beginning	Monday	5 June	Last day to add/delete a unit	Thursday	31 August
Examinations commence	Tuesday	13 June	Last day for withdrawal	Thursday	31 August
First Semester ends	Saturday	24 June	<i>Full Year units of study</i>		
Second Semester lectures begin	Monday	17 July	Last day for withdrawal	Friday	31 March
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			

The University of Sydney

Faculty of Health Sciences Postgraduate 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 postgraduate handbook is the official guide to the postgraduate courses offered in 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

The year 2000 marks a new and special beginning for many of us as well as for the new century. I hope it will be an important milestone for each of you in your postgraduate development.

If you are a new student, I welcome you to a particularly exciting phase in the development of our postgraduate programs. You may in fact be enrolling in one of our new programs such as the Doctor of Health Science, the Master of Health Science (Speech-Language Pathology) or the Graduate Certificate of Health Science (Exercise and Sport Science).

If you are a returning student I congratulate you on your previous success and welcome you back. You may be returning to complete your current course or choosing to move forward to the next stage in one of our articulated coursework programs such as the latest addition to our portfolio of these programs, the Master of Health Science (Medical Sonography).

The Faculty of Health Sciences aims to provide a stimulating and progressive postgraduate environment. Students in coursework programs will have the opportunity to enhance professional expertise and move towards more satisfaction and advancement in the workplace. Research postgraduates will be assisted to devise and make a worthwhile contribution to the knowledge-base of their field with the support of dedicated researchers at the fore-front of research activity in the health sciences. We have invested significantly in research infrastructure in recent years including a dedicated research building.

We also recognize that in today's busy world it is not possible for everyone to come to the campus for full-time, or even part-time, study. You will find that many units of study are being offered in a more flexible way to help you manage your schedule and find time for your studies. Whether you live in the next suburb, the next state, or overseas, we are developing approaches to enable you to achieve the benefits of graduate study in the Faculty of Health Sciences.

As a complement to your 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. Your time in the Faculty will be much richer if you are able to fit some of the social, cultural and sporting activities made available into your busy schedule. These compliment the more structured activities associated with your program of study.

Faculty of Health Sciences staff are committed to assisting you 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. This includes the professional advice of academic staff in your school, department or centre, the Student Welfare Division, Student Administration Division and the Student Guild. Additionally, for Aboriginal and Torres Strait Islander students, a range of dedicated support services is 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

Summary of graduate courses

Doctor of Philosophy (PhD) (generic award)

Full-time: min 3 years - max 5 years

Part-time: min 3 years - max 7 years

Area of study	Mode	Course code	Unit Code
Australian Stuttering Research Centre	full-time	2401	STUT7002 (24601A)
	part-time	2402	STUT7003 (24601B)
Behavioural and Community Health Sciences	full-time	2536	BACH7005 (25704)
	part-time	2535	BACH7006 (25705)
Biomedical Sciences	full-time	1109	BIOS7002(11601A)
	part-time	1108	BIOS7003(11601B)
Communication Sciences and Disorders	full-time	1211	CSCD7002 (12601A)
	part-time	1210	CSCD7003 (12601B)
Exercise and Sport Science	full-time	2202	EXSS7002 (22601A)
	part-time	2201	EXSS7003 (22601B)
Health Information Management	full-time	0916	HIMT7002 (09601A)
	part-time	0912	HEVIT7003 (09601B)
Indigenous Health Studies	full-time	0710	AHCD6001 (07601A)
	part-time	0711	AHCD6002 (07602B)
Medical Radiation Sciences	full-time	1825	MRTY7002 (18601A)
	part-time	1820	MRTY7003 (18601B)
Occupational Therapy	full-time	1524	OCCP7002 (15601A)
	part-time	1521	OCCP7003 (15601B)
Orthoptics	part-time	1412	ORTH7002 (14601A)
			ORTH7003 (14601B)
Physiotherapy	full-time	1618	PHTY7002 (16601A)
	part-time	1623	PHTY7003 (16601B)
National Voice Centre	full-time	2101	VOIC7002 (21601A)
	part-time	2105	VOIC7003 (21601B)
Rehabilitation Research Centre	full-time	2301	REHA7002 (23601A)
	part-time	2302	REHA7003 (23601B)

Doctor of Health Science (HScD) (generic award)

Full-time 2601: min 3 years - max 5 years

Part-time 2602: min 6 years - max 10 years

Off-campus (part-time) 2603: min 6 years - max 10 years

Off-campus (full-time) 2604: min 3 years - max 5 years

Master of Applied Science (MAppSc) by research

Research area	Duration	Mode	Course code
Australian Stuttering Research Centre (generic award)	min 2 years	full-time	2403
	min 3 years	part-time	2404
Behavioural Science	min 2 years	full-time	2538
	min 3 years	part-time	2539
Biomedical Sciences	min 2 years	full-time	1116
	min 3 years	part-time	1117
Communication Sciences and Disorders	min 2 years	full-time	1213
	min 3 years	part-time	1214
Community Health	min 2 years	full-time	0708
	min 3 years	part-time	0709
Education	min 2 years	full-time	2506
	min 3 years	part-time	2507
Exercise and Sport Science	min 2 years	full-time	2203
	min 3 years	part-time	2204

Gerontology	min 2 years	full-time	2508
	min 3 years	part-time	2509
	min 3 years	off-campus	2561
Health Information Management	min 2 years	full-time	0909
	min 3 years	part-time	0910
Medical Radiation Sciences	min 2 years	full-time	1827
	min 3 years	part-time	1828
National Voice Centre (generic award)	min 2 years	full-time	2103
	min 3 years	part-time	2104
Occupational Therapy	min 2 years	full-time	1518
	min 3 years	part-time	1511
Orthoptics	min 3 years	off-campus	1536
	min 2 years	full-time	1407
Physiotherapy	min 3 years	part-time	1408
	min 2 years	full-time	1624
Rehabilitation Counselling	min 3 years	part-time	1625
	min 2 years	full-time	2513
Rehabilitation Research Centre (generic award)	min 3 years	part-time	2514
	min 2 years	full-time	2303
Master of Communication Disorders (MCommDis) by research	min 3 years	part-time	2304
	min 2 years	full-time	1215
	min 3 years	part-time	1216

Master of Health Science (MHlthSc) by Coursework

Behavioural Science (BehSc)	min 1 year	full-time	2540
	min 2 years	part-time	2541
Child and Adolescent Health (ChldAdolflth)	min 1 year	full-time	2546
	min 2 years	part-time	2547
Community Health (ComHlth)	min 1.5 years	full-time	0706
	min 3 years	part-time	0707
Education (Ed)	min 1 year	full-time	2525
	min 2 years	part-time	2526
	min 2 years	off-campus	2524
Exercise and Sport Science (Ex&SpSc)	min 1 year	full-time	2217
	min 2 years	part-time	2218
Gerontology (Geront)	min 1 year	full-time	2520
	min 2 years	part-time	2521
	min 2 years	off-campus	2533
Indigenous Community Health (IndigCommHlth)	min 3 years	off-campus	0703
Manipulative Physiotherapy (Manip Phty)	min 1.5 years	full-time	1632
	min 3 years	part-time	1633
Medical Radiation Sciences (MRS)	min 2 years	off-campus	1845
Medical Sonography (Med Sono) ¹	min 3 years	off-campus	1842
Occupational Therapy (OT)	min 1 year	full-time	1547
	min 2 years	part-time	1548
	min 2 years	off-campus	1549
Physiotherapy (Phty)	min 1.5 years	full-time	1644
	min 3 years	part-time	1645
Speech and Language Pathology (SLP) ²	min 2 years	off-campus	1223
Sports Physiotherapy (Sports Phty)	min 1.5 years	full-time	1630
	min 3 years	part-time	1631
Master of Health Science Management (MHlthSc(Mmenf)) ³	min 2 years	off-Shore	2013
Master of Occupational Therapy (MOT)	min 2 years	full-time	1534
Master of Rehabilitation Counselling (MRehabClng)	min 1.5 years	full-time	2505
	min 3 years	off-campus	2516

Graduate Diploma of Health Science (GradDipHlthSc)

Clinical Data Management (ClinDataMgt)	min 2 year	part-time	0917
Community Health (ComHlth)	min 1 year	full-time	0704
	min 2 years	part-time	0705
Education (Ed)	min 1.5 years	part-time	2528
	min 1.5 years	off-campus	2523
Exercise and Sport Science (Ex&SpSc)	min 1.5 years	part-time	2216
Health Information Management (HIM)	min 1 year	full-time	0906
	min 2 years	part-time	0918
Indigenous Community Health (IndigComHlth)	min 2 years	off-campus	0702

Manipulative Physiotherapy (Manip Phty)	min 1 year	full-time	1607
	min 2 years	part-time	1612
Medical Radiation Sciences (MRS)	min 1.5 years	off-campus	1844
Medical Sonography (Med Sono)	min 2 years	off-campus	1841
Physiotherapy (Phty)	min 1 year	full-time	1646
	min 2 years	part-time	1647
Sports Physiotherapy (Sports Phty)	min 1 year	full-time	1640
	min 2 years	part-time	1641
Vision Impairment (VisImp)	min 2 years	part-time	1413
Graduate Diploma (GradDipRehabCIng) in Rehabilitation Counselling	min 1 year	full-time	2500
	min 2 years	off-campus	2517

Graduate Certificate of Health Science (GradCertHlthSc)

Behavioural Science (BehSc)	min 0.5 year	full-time	2544
	min 1 year	part-time	2545
Casemix (Casern)	min 1 year	part-time	0914
Child and Adolescent Health (ChldAdolHlth)	min 0.5 year	full-time	2550
	min 1 year	part-time	2551
Clinical Data Management (CDM) Education (Ed)	min 1 year	off-campus	0915
	min 0.5 year	full-time	2529
	min 1 year	part-time	2530
	min 1 year	off-campus	2522
Exercise and Sport Science (Ex&SpSc) ¹	min 0.5 year	full-time	2213
	min 1 year	part-time	2214
Indigenous Community Health (IndigCommHlth)	min 1 year	off-campus	0701
Medical Radiation Sciences (MRS)	min 1 year	off-campus	1834
Medical Sonography (Med Sono)	min 1 year	off-campus	1843
Occupational Therapy (OT)	min 1 year	part-time	1545
	min 0.5 year	full-time	1544
	min 1 year	part-time	1546
Physiotherapy (Phty)	min 0.5 year	full-time	1648
	min 1 year	part-time	1649
Vision Impairment (VisImp)	min 1 year	part-time	1414

Notes

1. To be first offered in August semester, 2000 subject to final approval
2. Subject to final approval
3. Only offered off-shore in Singapore in conjunction with the Singapore Institute of Management

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
DHSC	Doctor of Health Science
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 which are placed in parentheses next to the unit of study codes in tables, or marked 'Old code' in unit of study listings.

CHAPTER 1

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School of Health Information Management

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School of Occupation and Leisure Sciences

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School of Physiotherapy

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Yoorang Garang: School of Indigenous Health Studies

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GradDipManipTher Cumb. DipTertEd N.E.

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Hoang Tran-Dinh, MD *Saigon DipAnat A.S.A.N.Z., AMC*
Canb.

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Lecturers

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May B.E. Wong, MSc *N.E. MHPEd U.N.S.W. DipEd U.N.S.W.*
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School of Applied Vision Sciences

Head of School

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School of Behavioural and Community Health Sciences

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School of Communication Sciences and Disorders

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

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

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School of Occupation and Leisure Sciences

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MAppSc(OccTher)

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 Jane E. Gamble, BAppSc (OccTher) *Lincoln* MHPEd
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 Laurence V. Bathurst, MA Leisure Studies *UTS* AssocDipDT
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 Peter Williamson B AppSc(Occ Ther)
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 David McConnell, BAppSc(Occ Ther)
 Kirsty Thompson, BAppSc(Occ Ther)
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School of Physiotherapy

Head of School

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Professor

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 Janet H. Carr, MA EdD *Col.* DipPhy, FACP

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 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

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 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)
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 GradDipMgtHlthSciences *S.Aust.*
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Cumb.
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 MAppSc(ManipPhy)
 Jane Latimer, BAppSc *Cumb.* GradDipAppSc(ManipPhy)
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 Lyndal Maxwell, BAppSc(Phy) *Lincoln*
 GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phy)
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 GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phy)
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 Leslie Nicholson, BAppSc GradDipAppSc(SportsSc)
 GradDipAppSc (ManipPhy) *Cumb.*
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 GradDipAppSc(PaedPhy-Hydro) *Curtin* MAppSc(Phy)
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 MHlthScEd
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S.Aust.
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 John Parsons, BA(Ed) *Deakin*
 Shayne Williams, BEd(Adult&Comm.Ed) MEd(AdultEd)
 Dip(Adult&Comm.Ed) *UTS*
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Nancy Chin

Student Welfare Services Division

Head

Andrea Chan MA NZ MA ANU PhD RSACertTEFLA
GradDip MLT

Academic and Communication Skills Tutors

Rosalie Thomson *BANE* LicDip S&D GradDipSC *W.Syd.*
MA GradCertTESOL

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

Tutor/International Student Advisor

May Thet Tun, MA *Mandalay* MA(TEMJ 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

C/iV.S.W. AALIA

Librarians

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

Garry Hamilton, BADipIMLib *U.N.S.W.* AALIA

KushumL. 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. Tam, BEd*Nott.* MLib. *U.N.S.M*Teach. 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.

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 9355
Fax: (02) 9351 9412

Postgraduate course applications

Information and application forms for the Faculty's postgraduate courses are available from Student Administration (Cumberland) in July each year.

The closing date for graduate coursework programs offered by the School of Physiotherapy is 31 July.

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

Applications for graduate research programs may be lodged at any time but commencing students may only enrol before the HECS census date of any semester.

All other course applications

Information and application forms for all other courses (UAC undergraduate, non-UAC undergraduate, conversion) are available from Student Administration (Cumberland). Detailed application procedures are set out in Chapter 3 of the Undergraduate 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/centre 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/centre. Applications for non-award enrolment should be submitted to Student Administration (Cumberland).

Non-award students are required to pay pro-rata tuition fees on the basis of the fee for a full-time load.

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 the prescribed fee of \$100 per credit point for this mode of study.

Application forms are available from Student Administration in A Block 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 pre-requisite knowledge to study the unit and resources are available to support the enrolment in the unit.

Cross-institutional students will incur either a HECS liability or a tuition fee, depending on whether the subject belongs to a fee paying or HECS liable course.

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 of the following year.

Deferment of enrolment

Deferment of enrolment will not normally be granted for a postgraduate student unless there have been extreme and unpredictable changes in circumstances since applying for the course.

Applications for deferment must be lodged in writing by the specified closing date with the Head, Student Administration (Cumberland).

Full-fee paying overseas students may be permitted to defer enrolment upon written application to the University of Sydney International Office.

Enrolment of new students

Enrolment of new students 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 (if applicable);
- d) completion of such other forms as required by the Faculty or University;
- e) payment of compulsory and other fees in relation to study at the University including Student Guild fees;
- f) payment of tuition fees for February semester if enrolled in a fee paying course;
- g) payment of the estimated Higher Education Contribution for February semester for HECS liable courses if the 'up-front' mode of payment is adopted.

New graduate students accepting places in the faculty's courses will be required to enrol at the Cumberland Campus on Thursday 27 January 2000. Failure to enrol at the appointed time may result in loss of the place.

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.

Re-enrolment of continuing students

Re-enrolment of continuing students in a course entails:

- a) completion of a Pre-enrolment form attesting the units in which the student will be enrolled;
- b) if applicable, 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);
- c) completion of such other forms as required by the Faculty or University;
- d) payment of compulsory and other fees in relation to study at the University, including Student Guild fees.
- e) payment of course fees or the estimated Higher Education Contribution for February semester, if 'up-front' mode of payment is adopted.

Re-enrolment of continuing postgraduate students will be carried out by mail. Dates for payment of fees are the same as those specified for new students in the section above. The last day to finalise re-enrolment is Friday 31 March 2000. Failure to complete enrolment by the above date will be deemed to indicate an intention on the part of students to abandon their course and removal of the enrolment record will ensue.

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 and when applying for and using travel concessions. 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 February semester, a statement of the expected enrolment and associated course fee (or HECS) will be sent by mail to the semester address of each currently enrolled student.

If the statement is accepted as correct by each student, then the course fee (or upfront HECS) course fee (or 'update' HECS) should be paid using the accompanying bank deposit form and the statement retained for reference. Payments must be made by Friday 25 February 2000.

If amendments are required to the statement it should be returned to Student Administration (Cumberland) by Friday 25 February 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.

Statement of enrolment - July semester

At the beginning of July semester, a statement of the expected enrolment and associated course fee (or HECS) will be sent by mail to the semester address of each currently enrolled student.

Payments for course fees or 'up-front' HECS must be made by Friday 4 August 2000. Failure to pay by this date may result in the enrolment being cancelled.

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 liable for course fees or HECS for July semester.

Confirmation of enrolment - February and July semester

In late 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 course fees or Higher Education Contribution for the current semester. The notice should be kept by the student as a record 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 a 'Variation of Enrolment' form may be required.

Fees and charges

1. 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. Postgraduate students are also required to be a member of and pay subscriptions to the Sydney University Postgraduate Representative Association (SUPRA).

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 are to pay a reduced fee.

Extension of time for payment of Student Guild fees

Any student who is unable to pay 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 28 April.

2. Course tuition fees for postgraduate programs

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

3. Higher Education Contribution Scheme (HECS)

The Australian Government requires students to contribute to the cost of their higher education. Students enrolled in courses for which tuition fees are charged are exempt from paying HECS as are all students who have received an Australian Postgraduate Award (without stipend) and some other categories of students.

HECS is calculated each semester and represents the proportion of the normal full-time equivalent load for the year of the course in which the student is enrolled. Students have the option of paying 'up-front' in which case a discount of 25 percent is given or may 'defer' payment, in which case their liability is discharged through the taxation system when their taxable income reaches a certain minimum level. Students may also opt to make a partial payment of at least \$500 up-front, in which case the discount of 25 percent is given on the partial payment. Students who elect to defer payment or who make a partial payment are required to provide details of their Tax File Number.

Further information about HECS is given in the booklet HECS - Your Questions Answered 2000 issued at enrolment

and available all year round from the Student Enquiries Counter.

4. Notes and manuals

A school or department may publish manuals for many units of study, ranging in cost from \$2 to \$26 (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. Notes/manuals will be sold in the foyer of E Block during the first week of semester.

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 policy

1. Refund of Student Guild fees

- If written notice of discontinuation of a course is received by 31 March, all Student Guild Fees paid will be refunded.
- 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.

2. Refund of course tuition fees

If a student discontinues or takes leave of absence before the start of semester, 90 percent of the course tuition fee paid for the semester will be reimbursed.

If a student discontinues or takes leave of absence after the start of semester but before the census date (31 March or 31 August), 50 percent of the course tuition fee paid for the semester will be reimbursed.

Beyond these dates, no refund will be made.

3. Refund of HECS

If following some variation of enrolment, a student becomes eligible for a refund of all or part of an 'upfront' 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.

Credit transfer

Please consult Student Administration or refer to the Undergraduate Handbook for full details of policies and procedures relating to Credit Transfer.

Discontinuation of studies, variation of enrolment 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/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' (on the reverse side of the form) to Student Administration (Cumberland).

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

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

- For February semester only units, 31 March, 2000;
- For full-year units and July semester only units by 31 August, 2000.

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 Policy).

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. Applications for all undergraduate and postgraduate courses are processed directly by the Faculty and have a closing date of 1 December. For more information contact Student Administration (Cumberland).

Variation of enrolment

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

Students must complete the 'Variation of Enrolment' form (available from the Student Enquiries Counter) and forward it to the Head, Student Administration (Cumberland). Students are responsible for obtaining the necessary recommendation(s)/endorsement(s) of the appropriate heads of school/department (or their delegates).

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

- For February semester only units, by 31 March, 2000;
- For full-year units and July semester only units, by 31 August, 2000.

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 one or two semesters may be granted by the Faculty to students in special circumstances. Leave of absence shall not normally exceed one year but, in exceptional circumstances, up to two years may be granted. Leave is normally granted to the commencement of a semester.

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

Students applying for leave of absence must complete an 'Application for Leave of Absence' form (available from 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 heads of schools/departments (or their delegates) and the completed 'Exit Authority' (on the reverse side of the form). The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to 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/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 assessments

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) 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 and on the Web.

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. In addition, written or verbal contact will be made with all students affected by any such changes.

Rules of conduct of written examinations

Please refer to the relevant pages of the Undergraduate Handbook for rules relating to written examinations.

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 grades detailed in Table 3.1.

Levels of award for Master by Coursework

Master by Coursework with 48 credit points

The degree of Master by coursework may be awarded in the grade of Pass degree (48 credit points) or Honours (60 credit points).

Master by Coursework with 72 credit points

The degree of Master by coursework may be awarded in the grade of Pass degree or Honours (72 credit points). The criteria for the award of Honours will be calculated as follows:

- i) The Faculty will only consider the units of study from the final stage of Master Level.
- ii) Weighted Average Mark (WAM) will be calculated to derive a ranking list.
- iii) A WAM of 80 and above will be considered eligible for the award of Honours.

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 March 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.

Table 3.1: 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 subject but was deemed acceptable given the student's overall performance
V	Interim Result	Student has submitted a thesis/treatise which is under examination

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 Enquiries 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/centre 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.

Year of 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 or personally collected.

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 heads of departments 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. There is no provision for students to have their papers re-marked. 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.

1. In the first instance, students should seek a response from the staff member concerned, or the unit/course coordinator.
2. If not satisfied, the student should seek an interview with the head of school/department to discuss the matter.
3. 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.

Prizes, awards and scholarships

Prizes

Prizes awarded to postgraduate students in the Faculty of Health Sciences are outlined in Table 3.2.

Postgraduate awards

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

Applicants are expected to have an undergraduate record at honours level or to have outstanding results in a pass degree, or in preliminary studies or in the first year of a Master's degree.

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

The closing date for applications is 31 October of each year. Application forms are available from the Faculty Office (Cumberland). For additional information contact:

The Research and Scholarships Office
Main Quadrangle, A14
The University of Sydney NSW 2006
Phone (02) 9351 3250, fax (02) 9351 3256.

Scholarships

For a full list of scholarships available to postgraduate students in the Faculty of Health Sciences, see the Faculty web site at www.cchs.usyd.edu.au, or consult the Calendar, Volume II.

Clinical supervisory positions for postgraduate students

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

Postgraduate students who are qualified Speech Pathologists may be offered employment in some of these supervisory positions. Preference will be given to full-time students but part-time students are not precluded from these opportunities. For further information, contact the Director of Clinical Education in the School of Communication Sciences and Disorders on (02) 9351 9450.

Research assistantship

From time to time, financial assistance in the form of research assistantships are made available in which students work with staff members on funded research projects. Students are encouraged to seek advice and information on a regular basis from school/department/centre staff.

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 co-requisites, pre-requisites and attendance requirements can be met. School Academic Advisors 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 pre-requisite to enrolment in the subsequent level of clinical education study.

Table 3.2: Prizes

Prize	Value	Qualification
School of Communication Sciences and Disorders		
The Private Speech Pathologists' Association of New South Wales Masters' Thesis Prize	\$100	Awarded to a student for a Masters' thesis of outstanding merit in the School of Communication Sciences and Disorders.
School of Health Information Management		
The NSW Health Department Clinical Classification Graduate Diploma Prize	\$200	Awarded to the student with the highest aggregate mark in the units International Disease Classification Systems A and B in the Graduate Diploma of Applied Science (Health Information Management)
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)
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)
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 Iranian Migrants in Australia in the Graduate Diploma of Health Science (Community Health)
The Molwood Kan-Anie-Zang Ani Memorial Masters' Prize	\$250	Awarded to the student for an outstanding Master's Thesis on issues related to Iranian Migrants in Australia in the Master of Health Science (Community Health)
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 Indigenous communities in the Graduate Diploma of Health Science (Community Health)
The Yooroang Garang: School of Indigenous Health Studies Masters' Prize	\$250	Awarded to the student for an outstanding thesis dealing with issues within Indigenous communities health in the Master of Health Science (Community Health)
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.

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 administrative 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 and eating 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 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 \$10.00.

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 by students after hours

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

Faculty degrees

The Faculty offers a wide range of doctoral and master's graduate programs and students may choose either a research or a coursework pathway. Research degree programs include the Doctor of Philosophy (PhD), the Doctor of Health Science (HScD) and master's by research program options. In all of these the program's core is independent research and study leading to the production of a thesis; some research degree programs (such as the HScD) also include coursework. Coursework programs, on the other hand, are those undertaken primarily by enrolment in a specified number of structured units of study; these may also include an opportunity to undertake a small research project (usually at the honours level).

Doctor of Health Science (HScD)

This new professional doctorate program is the Faculty of Health Science's latest contribution to meeting the educational needs of today's health professionals. The professional doctorate brings together opportunities to extend professional knowledge and practice and to carry relevant research in health professional settings.

Faculty of Health Sciences

The Faculty of Health Sciences at the University of Sydney has for many years had a strong national and international reputation for its higher degrees and research programs. Its concern to improve practice at all levels and segments of the health care system on the basis of rigorous research and scholarship has attracted students from all over the world. Many of its graduates now hold very senior positions throughout Australia and overseas. The Doctor of Health Science program represents an important development of this tradition.

Program aims and conceptual framework

The professional doctorate is designed to provide specific professional development for health professionals who wish to acquire the knowledge and skills required to assume leadership roles as health professional practitioners, for example as programme planners, clinical managers, and/or educators. It will support the development of a high standard of relevant academic and clinical skills in health professionals through an emphasis on systematic and scientific investigation to interpret theory and research, critique current methods and intervention, and translate these findings into a form which can direct present and future practice.

The professional doctorate will allow students to pursue high level rigorous scholarship directed towards advanced professional practice. Current health practice requires health professionals to be more responsive to health systems issues, to be more focused on efficacy of clinical interventions, and to be more flexible in the ways services are provided. These changes require the leadership of the health professions to develop sophisticated intellectual and practical skills that have not, until recently, been in high demand. For example, they must become skilled in the evaluation of professional practice and achievement of outcomes at individual and population levels, and to develop new ways of organising the delivery of care to clients in organisations with diminishing resources. The professional doctorate will provide a path for experienced clinicians in the health related areas to further develop their expertise and increase their research in workplace settings.

Course design

The program is designed to be the equivalent of three years full time study and will consist of one third coursework and two-thirds thesis. The coursework component of the degree will assist students to develop their expertise over a broader area than is possible with a single thesis topic.

Students will be able to specialise in any of the profession-specific areas within the Faculty, although not all areas will be available for any one intake semester. An outline of the course is given in Table 4.1.

Management of candidature

Candidates will enrol in the Faculty of Health Sciences. Overall coordination of the program and all candidates will be the responsibility of the Dean or the Dean's nominee. In 2000 the course coordinator is Dr Reg Mitchell. The management of the research component of each candidature will reside jointly with the Dean's nominee (Dr Reg Mitchell) and the head of the academic unit in which the candidate's supervisor is located.

Admission requirements

The Dean may admit an applicant to candidature for the degree if the applicant holds or has fulfilled the requirements for:

- Bachelor of Applied Science with First or Second Class Honours from The University of Sydney, or an undergraduate degree in the health sciences deemed to be equivalent, or
- Master of Applied Science from the University of Sydney, or Master of Health Science from the University of Sydney with a credit average, or equivalent, and
- A minimum of three years recent, full-time experience in the health field.

Coursework units of study

There will be three core units of study:

- Theoretical Issues in the Health Professions
- Research and Inquiry Issues in the Health Professions, and
- Foundations for Doctoral Studies.

These core units will be offered, on a Faculty-wide basis, specifically for the doctoral program. Electives will be chosen from the large range of graduate units of study currently offered within the Faculty and University. Details of the Faculty elective units can be found in Chapter 17.

Electives must be chosen in consultation with the Course Coordinator, and approved by the head of the academic unit(s) in which the units are offered.

Doctoral symposium

Students will be expected to present three (3) research papers to their peers in the form of a thesis proposal and two 'work in progress' papers, one of which might be analogous to an oral defense of the nearly completed thesis.

The venue for these presentations will be arranged on at least on an annual basis for all enrolled (full and part-time) students, presenting their final thesis designs, research instruments, analysis strategies, and interim results. One of the aims of the symposium will be to reduce the isolation most students feel while undertaking a research degree and to introduce intermediate goals towards completion. It is expected that off-campus students will be incorporated into the common learning community of this program using flexible modes of delivery.

Candidates completing the award by off-campus mode will be expected to attend a two-week residential school in each year of their candidature. Residential schools will be timed to coincide with the doctoral symposium. Presentation of research papers by all students will take place during the residential schools (date to be determined). Further enquiries:

Dr Reg Mitchell
Course Coordinator
Phone: (02) 9351 9660
Fax: (02) 9351 9540
Email: r.mitchell@cchs.usyd.edu.au

Table 4.1: Doctor of Health Science

Course code	Mode of offer				
2601	Full-time (min) 3 years to 5 years				
2602	Part-time (min) 6 years to 10 years				
2603	Off-campus (min) 6 years to 10 years				
Total credit points required: 144					
Unit code	(old code)	Unit name	Sem 1		Sem 2
Full-time mode					
<i>Year 1</i>					
DHSC7001	(26701)	Theory in the Health Professions	6	or	6
DHSC7002	(26702)	Research and Inquiry in the Health Professions	6	or	6
DHSC7003	(26703)	Foundations for Doctoral Studies	6	or	6
		5 electives (6 credit points each)	30	or	30
Stage total (48 credit points for Year 1)			48	or	48
<i>Year 2</i>					
DHSC 1002 (26R00A)		Research Thesis	21		
DHSC 7004 (26704)		Doctoral Seminar 1	3		
DHSC 1003 (26R00B)		Research Thesis			21
DHSC7005 (26705)		Doctoral Seminar 2			3
Stage total (48 credit points for Year 2)			24		24
<i>Year 3</i>					
DHSC 1004 (26R00C)		Research Thesis	21		
DHSC 7006 (26706)		Doctoral Seminar 3	3		
DHSC 1005 (26R00D)		Research Thesis			21
DHSC 7007 (26707)		Doctoral Seminar 4			3
Stage total (48 credit points for Year 3)			24		24
Part-time mode					
<i>Year 1</i>					
DHSC7001 (26701)		Theory in the Health Professions	6	or	6
DHSC7002 (26702)		Research and Inquiry in the Health Professions	6	or	6
DHSC7003 (26703)		Introduction to Graduate Studies	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 1)			24	or	24
<i>Year 2</i>					
		4 electives (6 credit points each)	6	or	6
Stage total (24 credit points for Year 2)			24	or	24
<i>Year 3</i>					
DHSC1002 (26R00A)		Research Thesis	21	or	21
DHSC7004 (26704)		Doctoral Seminar 1	3	or	3
Stage total (24 credit points for Year 3)			24	or	24
<i>Year 4</i>					
DHSC1003 (26R00B)		Research Thesis	21	or	21
DHSC7005 (26705)		Doctoral Seminar 2	3	or	3
Stage total (24 credit points for Year 4)			24	or	24
<i>Year 5</i>					
DHSC1004 (26R00C)		Research Thesis	21	or	21
DHSC7006 (26706)		Doctoral Seminar 3	3	or	3
Stage total (24 credit points for Year 5)			24		
<i>Year 6</i>					
DHSC1005 (26R00D)		Research Thesis	21	or	21
DHSC7007 (26707)		Doctoral Seminar 4	3	or	3
Stage total (24 credit points for Year 6)			24	or	24

Doctor of Health Science (HScD)

Resolutions of the Senate

1. Admission to Candidature

(1) General Admission Requirements

An applicant for admission to candidature shall:

- (a) apply in writing to the Dean, and
- (b) submit with the application an outline of the proposed course of advanced study and research, including the general area of the proposed thesis, and
- (c) subject to the approval of the supervisor, head of academic unit, and the Dean, a candidate shall pursue the program of advanced study and research either:
 - (i) within the University including research stations and teaching hospitals;
 - (ii) on fieldwork either in the field or in libraries, museums or other repositories;
 - (iii) within industrial laboratories or research institutions or other institutions considered by the Faculty to provide adequate facilities for that candidature; or
 - (iv) within a professional working environment.
 (A candidate shall be regarded as engaging in work within the University if he or she is undertaking approved distance and/or off-campus study, this being a mode of study in which the student would not be in regular physical attendance on a designated campus of the University.)

An applicant for admission to part-time candidature, in addition to the above, shall also submit with the application a written undertaking that the applicant will:

- (a) have sufficient time available to complete the requirements for the degree in accordance with these Senate Resolutions, and within the maximum time period prescribed in section 9 of these Resolutions, and
- (b) be able to attend the University at such time and on such occasions for the purposes of consultation and participation in prescribed academic and educational activities, as may be required on the recommendation of the Dean, Pro-Dean, Associate Dean (graduate studies) or head of academic unit in which the research is being supervised.

An applicant may be admitted to candidature in the off-campus mode as either a full-time or part-time candidate and will comply with the above regulations.

A candidate pursuing candidature outside Australia must also complete a cumulative minimum period of two semesters of candidature within the University.

(2) Admission to Candidature by the Faculty

The Dean may admit an applicant to candidature for the degree if:

- (a) the candidate's application complies with the general requirements in section 1.(1) above, and
- (b) the applicant holds or has fulfilled the requirements for:
 - (i) the degree of Bachelor with First or Second Class Honours from the University of Sydney, or
 - (ii) an undergraduate degree deemed to be equivalent to that in 1.(2)(b)(i), or
 - (iii) the degree of Master by research from the University of Sydney, or
 - (iv) the degree of Master by coursework from the University of Sydney with a credit average, or
 - (v) a postgraduate degree deemed to be equivalent to either that in 1.(2) (b) (iii) or (iv) and
- (c) the applicant has a minimum of three years' recent, full-time experience in the health field.

(3) Admission to Candidature by the Academic Board

On the recommendation of the Faculty of Health Sciences the Academic Board may admit to candidature for the degree an applicant whose application complies with section 1.(1) above and who:

- (a) possesses such qualifications as a deemed equivalent to those described in section 1.(2), and
- (b) is recommended by the Faculty of Health Sciences as being suitably prepared to pursue graduate studies at this level.

2. Studies During the Candidature

- (1) Except with the permission of Faculty, candidates will pursue an approved course of advanced study and research comprising a total of 144 credit points as follows:
 - (a) postgraduate units of study at a grade level as prescribed by Faculty of which no more than 48 credit points can be credited towards the award, and
 - (b) a thesis and doctoral seminar program together worth 96 credit points. In the doctoral seminar program students will be expected to present three (3) research colloquia to their peers in the form of a thesis proposal and two 'work in progress' seminars, one of which might be analogous to an oral defence of the nearly-completed thesis. Candidates must complete a thesis of 60,000 words (or equivalent) in length investigating a specific aspect or specific aspects of either their own and/or others' professional practice within the course of advanced study and research approved by Faculty.
- (2) An applicant applying for credit transfer will have satisfied the admission criteria listed above and who has demonstrated a high level of competency in the completed graduate coursework for which credit transfer is requested. Approval for credit transfer will be granted by the Graduate Studies Standing Committee of the Faculty of Health Sciences on the recommendation of the relevant head of academic unit. Normally, credit transfer will only be granted for previously completed units of study which can be demonstrated as contributing to the candidate's total program of study in the Doctor of Health Science degree. In exceptional circumstance up to a maximum of 48 credit points (the coursework component of the degree) may be granted as credit transfer.

3. Supervisors - appointment

- (1) The Faculty, on the recommendation of the head of academic unit concerned, shall appoint a suitably qualified supervisor for each candidate to take primary responsibility for the conduct of the candidature and to be responsible for the progress of the candidature to the head of academic unit concerned and the Faculty.
- (2) The Faculty, on the recommendation of the head of academic unit concerned, shall normally appoint one or more associate supervisors for each candidate to assist in the supervision of that candidate.

4. Supervisors - qualifications

- (1) A person appointed as a supervisor must be either -
 - (a) a member of the academic staff;
 - (b) a member of the senior research staff;
 - (c) a person upon whom the Senate has conferred an academic title or a clinical academic title; or
 - (d) such other member of the staff of the University as may be considered appropriate in a particular case by the Graduate Studies Committee.
- (2) A person appointed as an associate supervisor must -
 - (a) hold the qualifications referred to in section 4.(1); or
 - (b) have been appointed as an honorary associate of the University; or
 - (c) have been appointed as an associate supervisor within the Faculty by the Dean.

5. Progress

- (1) At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and head of academic unit concerned and any Unit or Faculty Postgraduate Review Committee.
- (2) On the basis of evidence provided, the head of academic unit shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of academic unit considers appropriate.
- (3) If a candidate fails to submit evidence of progress or if the head of academic unit concerned considers that the evidence submitted does not indicate satisfactory progress, the Faculty may, on the Head's recommendation, call upon

the candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the Faculty, the candidate does not show good cause the Faculty may terminate that candidature or may impose conditions on the continuation of that candidature.

6. The Thesis

- (1) The candidate shall present a thesis of 60 000 words (or equivalent) in length, which shall be a substantial and original contribution to the subject concerned. The thesis shall carry a credit point value of 96 credit points. The candidate shall state the sources from which the information is derived, the extent to which the work of others has been made use of, and the portion of the work that the candidate claims as original.
- (2) The topic of the thesis shall be approved by Faculty.
- (3) The dean on the recommendation of the head of academic unit shall appoint a supervisor who shall be a member of the academic staff of the Faculty. In appropriate cases the Dean may appoint an associate supervisor
- (4) A candidate may not present as the thesis any work which has been presented for a degree at this or any other university, but the candidate will not be precluded from incorporating such work in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been incorporated.
- (5) A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by the Faculty.
- (6) The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
- (7) When the degree has been awarded, a copy of the thesis incorporating any required emendations and revisions shall be lodged in the University Library.

7. Appointment of Examiners

- (1) On receiving the thesis and having considered the certificate of the supervisor, the Dean shall consult with the relevant head of academic unit, and if he or she thinks fit, appoint examiners.
- (2) If the dean after consultation with the relevant head of academic unit resolves to appoint examiners, she or he shall appoint three independent examiners at least two of whom shall be external. All examiners shall have at least professional doctorate or PhD qualifications.
- (3) The Dean shall report the names of the examiners appointed to the Academic Board, which may appoint one or more additional examiners.
- (4) In any case where the Dean, having received the thesis and having considered the report of the supervisor, resolves not to appoint examiners, he or she shall report the circumstances to the Academic Board.

8. Degree Result

Upon completion of the coursework at the level prescribed by Faculty and after consideration of the reports of the examiners on the thesis the Dean shall submit the reports, together with a recommendation concerning the award of the degree, to the Academic Board which shall determine the result of the candidature.

9. Time Limits

- (1) Subject to sub-section 1.(1) a candidate may proceed either on a full-time or part-time basis.
- (2) Except in special circumstances and with the approval of the Dean all candidates shall complete a minimum of six (6) semesters of candidature taken over a period of time and in such manner as approved by the Dean.
- (3) Except in special circumstances and with the approval of the Dean a candidate shall complete the requirements for the degree not earlier than the end of the sixth and for a full-time candidate not later than the end of the tenth semester and for a part-time candidate not later than the twentieth semester excluding any period of approved suspended candidature.

- (4) A candidate shall prepare annually, before re-enrolment, a statement of the work done by the candidate towards completion of the requirements for the degree and submit it to the approved supervisor.
- (5) The supervisor shall also prepare an annual report on the work done by the candidate which shall be shown to the candidate for comment, and the candidate shall sign the report as having sighted the contents.
- (6) Both reports shall then be forwarded to the Associate Dean, Graduate Studies within the Faculty.

Doctor of Philosophy (PhD) Resolutions of the Senate

Admission to candidature

1. (1) An applicant for admission as a candidate for the degree shall, except as provided in subsections (2) and (3), hold or have fulfilled all the requirements for:
 - (a) the degree of master, or
 - (b) the degree of bachelor with first or second class honours.
- (2) A faculty may admit as a candidate for the degree an applicant holding the degree of bachelor without first or second class honours after the applicant has passed a qualifying examination at a standard equivalent to the bachelor's degree with first or second class honours, provided that a faculty may exempt an applicant from the qualifying examination if the applicant has obtained a high distinction or distinction in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research. 1
- (3) The Academic Board may, in accordance with Chapter 10 of the by-laws, admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned and of the Academic Board, are equivalent to those prescribed in subsection (1) or subsection (2), and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.
2. (1) An applicant for admission to candidature shall submit to the faculty concerned:
 - (a) a proposed course of advanced study and research, approved by the head of the department in which the work is to be carried out, to be undertaken by the applicant in a department of the University, and
 - (b) satisfactory evidence of adequate training and ability to pursue the proposed course.
- (2) The faculty may require a candidate, as part of the evidence of the candidate's training and ability to pursue the proposed course, to pass a special examination.
- (3) A reference in subsection (1) to a department includes a reference to one or more departments, one or more schools, an inter-departmental committee and an inter-school committee.

Probationary acceptance

3. (1) A candidate may be accepted by a faculty on a probationary basis for a period not exceeding one year and upon completion of this probationary period, the faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.
- (2) In the case of a candidate accepted on a probationary period under subsection (1), the candidature shall be deemed to have commenced from the date of such acceptance.

Control of candidature

4. (1) Each candidate shall pursue his or her course of advanced study and research wholly under the control of the University.
- (2) Where a candidate is employed by an institution other than the University, the faculty or college board may require a statement by that employer acknowledging that the candidature will be under the control of the University.

Other studies during the candidature

5. A candidate may be required by the head of department or the supervisor to attend lectures, seminar courses or practical work courses or to undertake courses and, if required, the assessment for such courses subject to the approval of any other head of department concerned.

Earliest date for submission

6. (1) Except as provided in subsection (2), a candidate may not submit a thesis for examination earlier than the end of the sixth semester of candidature.
 (2) A faculty or college board may permit a candidate holding any of the following qualifications of the University of Sydney or from such other institution as the faculty or college board may approve, to submit a thesis for examination not earlier than the end of the fourth semester of candidature -
 (a) a degree of master completed primarily by research;
 (3) Notwithstanding the provisions of subsections (1) and (2) a Faculty may, on the recommendation of the head of department and supervisor concerned, permit a candidate to submit a thesis for examination up to one semester earlier than prescribed if, in the opinion of the faculty, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

Latest date for submission

7. (1) Except as provided in subsections (2) to (4), a candidate shall submit the thesis for examination not later than the end of the tenth semester of candidature.
 (2) A candidate who is a full-time member of the academic staff of the University shall submit the thesis for examination not later than the end of the fourteenth semester of candidature.
 (3) A candidate whose candidature has been part-time throughout shall submit the thesis for examination not later than the end of the fourteenth semester of candidature.
 (4) A faculty or college board may permit a candidate to submit the thesis for examination after a period of time greater than the maximum periods specified.

Location

8. (1) Subject to the annual approval of the supervisor, head of department and faculty or college board, the candidate shall pursue the course of advanced study and research either -
 (a) with the University including its research stations and teaching hospitals;
 (b) on fieldwork either in the field or in libraries, museums or other repositories;
 (c) within industrial laboratories or research institutions or other institutions considered by the faculty or college board concerned to provide adequate facilities for that candidature; or
 (d) within a professional working environment;
 and shall attend at the University for such consultation with the supervisor and shall participate in such departmental and faculty or college seminars as shall annually be specified.
 (2) A candidate pursuing candidature outside Australia must also complete a minimum of two semesters of candidature within the University before submission of the thesis.
 (3) When recommending the detailed annual conditions for each candidate's particular course of advanced study and research the supervisor and head of department must indicate whether they are satisfied that the proposed supervision arrangements will be satisfactory.

Progress

9. (1) At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and head of department concerned and any Departmental or Faculty Postgraduate Review Committee.
 (2) On the basis of evidence provided, the head of department shall recommend the conditions of candidature to apply for the following year and may require the

candidate to provide further evidence of progress at the end of one semester or such other period as the head of department considers appropriate.

- (3) If a candidate fails to submit evidence of progress or if the head of department concerned considers that the evidence submitted does not indicate satisfactory progress, the faculty or college board may, on the head's recommendation, call upon that candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the faculty or college board, the candidate does not show good cause the faculty or college board may terminate that candidature or may impose conditions on the continuation of that candidature.

The thesis

- 10.(1) On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of the work undertaken, which shall be a substantially original contribution to the subject concerned. The candidate shall state, generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals obtained, the extent to which the work of others has been made use of, and the portion of the work the candidate claims as original.
 (2) A candidate may also submit in support of the candidature any publication of which the candidate is the sole or joint author. In such a case the candidate must produce evidence to identify satisfactorily the sections of the work for which the candidate is responsible.
 (3) Except where the candidature has been governed by an approved cotutelle agreement, a candidate may not present as the thesis any work which has been presented for a degree or diploma at this or another university, but the candidate will not be precluded from incorporating such in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been so incorporated.
 (4) A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by resolution of the Academic Board and four copies of a summary of about 300 words in length.
 (5) The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

Form of the thesis

11. Four copies of the thesis shall be submitted for examination for the degree of Doctor of Philosophy and shall normally be submitted in one of the forms set out below in sections 1 and 2.
 (1) The four copies may be bound in either a permanent or temporary form as set out in subsections (a) and (b).
 (a) A thesis submitted in permanent binding shall 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.
 (b) A thesis submitted in a temporary binding should be strong enough to withstand ordinary handling and postage. The preferred form of temporary binding is the 'perfect binding' system - ring-back or spiral binding is not acceptable. A thesis submitted in 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. The Xerox Demand Binding system

is acceptable for both temporary and permanent purposes.

(2) A thesis may also be submitted in electronic form in accordance with the provisions of section 3.

(a) When a thesis is submitted in electronic form, four copies must be submitted as set out in subsection (b).

(b) A thesis submitted in electronic form must normally be submitted on disk and must be in Word, WordPerfect or ASCII format, or in such other format which the faculty determines as acceptable to both the candidate and the examiner(s), with the same structure as the ultimate printed version referred to in sections 1(a) and 4, and each chapter must be in a separate document. 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 on the title page and on a label affixed to the disk. A hard copy of the thesis should normally be submitted for retention by the faculty office, and further copies for any examiner(s) unwilling or unable to examine the thesis electronically. Individual faculties may determine, however, that the copy for retention in the faculty office may also be submitted in electronic form.

(3) Procedures for electronic submission of theses:

Provision for electronic submission of theses for the purpose of examination may occur where both the candidate wishes to submit in this form and examiners are prepared to examine in this way.

Candidates wishing to submit electronically are required to provide earlier advice of their intent to submit so that arrangements may be made with prospective examiners. The usual examination process will be followed when a thesis is submitted electronically, except as set out below.

(a) A student who wishes to submit electronically must so advise the supervisor and the department at least nine months prior to submission. This advice should be by the completion of a (centrally-designed) form, on which the student must indicate the likely length of the thesis and any special features relating to its format.

(b) Examiners must be selected in the normal way and no regard paid to whether or not they would wish to examine electronically.

(c) When confirming the appointment of examiners, the faculty office should confirm their willingness or otherwise to examine an electronic version of the thesis.

(d) Prospective examiners must be advised that the thesis is available in Word, WordPerfect or ASCII format and they must be asked whether they prefer to accept it in that form (on disk, but possibly as an e-mail attachment) or in the traditional hard copy form.

(e) Under certain circumstances particular specialised electronic applications may form part of the thesis. In such circumstances, it should be ascertained that the examiner has the capability to accept this format, and this must be done nine months prior to submission.

(f) If an examiner advises that he or she does not wish to examine electronically, then the examiner will be sent a hard copy of the thesis.

(4) The degree shall not be awarded until the candidate has submitted a permanently bound copy of the thesis (containing any corrections or amendments that may be required) and printed on acid-free or permanent paper, for lodgement in the University Library.

Examination

12. The procedures for examination shall be prescribed by the Academic Board.

Application and enrolment procedure

As for Master's degree by research.

Please refer to the summary of graduate courses for Course Codes and Unit Codes.

The regulations governing the award of Doctor of Philosophy degree are printed in the Postgraduate Studies

Handbook available from Student Administration and is also available on the web at www.usyd.edu.au/su/planning/policy/.

Master by research

The following information should be read in conjunction with the Senate Resolutions in the University of Sydney *Calendar* and the relevant entry in the chapter of the presenting school/department/centre (refer to table of contents).

Applications

1. An application for admission to a Master's degree program is accepted subject to the availability of facilities and supervision. Courses and arrangements as stated in the Handbook or any other publication, announcement or advice of the Faculty are expression of intent only and are not to be taken as a firm offer or undertaking. The Faculty reserves the right to discontinue or vary such courses, or arrangement of staff allocations at any time without notice.
2. An application shall be made on the prescribed form and shall be lodged with the Head, Student Administration (Cumberland).
3. An application shall normally be made by the end of October immediately preceding the year in which the applicant wishes to register, except that, for a program being conducted for the first time, application for admission shall be made by the specified closing date, as determined by the Head, Student Administration (Cumberland), from time to time.
4. An applicant may seek admission to a Master's degree program as: either a full-time or part-time student and where applicable as off campus student.

Enrolment

1. The Faculty may either:
 - a) Permit an applicant to enrol as a Master's degree by research candidate in one of the following Master of Applied Science areas:
 - Australian Stuttering Research Centre
 - Behavioural Science
 - Biomedical Sciences
 - Communication Sciences and Disorders
 - Community Health
 - Education
 - Exercise and Sport Science
 - Gerontology
 - Health Information Management
 - Medical Radiation Sciences
 - National Voice Centre
 - Occupational Therapy
 - Orthoptics
 - Physiotherapy
 - Rehabilitation Counselling
 - Rehabilitation Research Centre;
 Or, Master of Communication Disorders
 - b) Permit an applicant to enrol as a Master's qualifying student for the purpose of preparing for candidature in any of the above Master's degree courses. On successful completion of the Qualifying Program, a prospective Master's degree student is required to apply for admission to the Master's degree program.
2. An applicant enrolled as a Master's degree candidate or as a qualifying student will not be permitted to undertake concurrently other graduate studies in the University, or elsewhere, except with the approval of the Faculty.
3. An applicant will not be permitted to enrol as qualifying student or degree candidate unless the head of school/department/centre has certified that the applicant is considered suited to undertake the program and that the current research interests of members of Faculty and the availability of resources for the proposed research have been discussed with the applicant.
4. The Faculty may permit an applicant to enrol as a Master's degree candidate if the applicant has:

- a) Qualified for admission in terms of the admission requirements (see Section on Admission Requirements under each academic unit),
OR
- b) Been enrolled as a Master of Applied Science/Health Science Qualifying Student in the Faculty and has subsequently carried out such work, passed such examinations and reached such standards as prescribed by the Faculty.
AND
- c) Satisfied the Faculty that the applicant can devote sufficient time to advanced study and research.
AND
- d) An applicant may be required to submit additional information to satisfy Head of school/department/centre. See Chapter 3 for additional administrative information.

Course requirements

1. General

- a) A qualifying student shall be eligible for consideration for admission to a Master's degree program on completion of a program approved by the Faculty at a level of performance prescribed by the Faculty.
- b) A candidate shall be eligible for admission to the degree of Master of Applied Science if the candidate:
 - i) undertakes the prescribed course of study for the degree, and
 - ii) completes the prescribed program of the research thesis which involves original investigation or review, and
 - iii) submits and has accepted a thesis prepared under the supervision of an academic supervisor appointed by the Faculty.

2. Minimum Time

- a) A qualifying student shall not be eligible for consideration for enrolment as a Master's degree candidate until a period of at least one semester has elapsed from initial enrolment.
- b) A candidate shall not normally be eligible for admission to the degree:
 - i) in the case of a full-time student, until a period of at least four semesters has elapsed from time of enrolment as a Master's degree candidate, OR
 - ii) in the case of a part-time student, until a period of at least six semesters has elapsed from the time of enrolment as a Master's degree candidate.

3. Maximum Time

- a) A qualifying student shall complete the program within two years.
- b) A candidate shall present for examination:
 - i) in the case of a full-time student, not later than six semesters from the date of enrolment as a Master's degree candidate, OR
 - ii) in the case of a part-time student, not later than ten semesters from the date of enrolment as a Master's degree candidate, unless special permission for an extension of time be granted by the Faculty.

4. Discontinuation of Enrolment

Notwithstanding the provision of section 3 above, the Faculty may discontinue the enrolment of a Master's degree candidate in less than the maximum time allowed, if it is dissatisfied with the candidate's progress.

5. Fieldwork and Supervision

- a) the work other than field work should be carried out in the school/department/centre and such other areas as appropriate or under such conditions as the Faculty may determine.
- b) the Faculty shall appoint a supervisor from the Academic staff of the Faculty/University.
- c) where the Faculty considers it appropriate, it may appoint an academic associate or co-supervisors. In the case of part-time students, the Faculty may appoint associate or co-supervisors in the student's region or workplace.

6. Progress Reports

Every Master's degree candidate is required to complete an annual report on his/her work to the academic supervisor then through the Head of school/department/centre to the Graduate Studies Committee.

7. Research Subject

Not later than two semesters after enrolment as a full-time Master's degree candidate or three semesters after enrolment as a part-time Master's degree candidate, the candidate shall submit the subject of the research thesis for approval by the Faculty. After the subject has been approved it may not be changed except with the written permission of the Faculty.

8. Advisory Committee

Each Master's degree student may be provided with an advisory committee to supplement the supervisory assistance provided by the student's appointed supervisor. The Committee would normally be composed of up to three University academic staff and where the supervisor is not from the respective school/department/centre, one member of that committee will be from the school/department/centre.

The Committee would be under the Chair of the student's appointed supervisor. The Committee may co-opt persons who are not members of the University academic staff. At no time would the Committee consist of more than four persons.

Following Faculty approval of the student's research thesis subject, the selection of members of the Master's Advisory Committee would be made by the student's supervisor in conjunction with the Head of school/department/centre. This membership would be submitted to the Graduate Studies Committee for approval on behalf of Faculty.

The Advisory Committee would normally meet at least once each semester to consider the student's progress report. With approval of the student's supervisor, the Committee may meet more frequently. It is expected that each member of the Committee should be available for consultation with the student at mutually convenient times. The arrangement will be negotiated by the student's supervisor and approved finally by the Heads of Schools/Department/Centres involved. The student's supervisor may also require the Committee to assist in matters concerned with the final presentation of the student's research thesis.

The membership of the Advisory Committee may be varied by application to the Graduate Studies Committee. Approval will be granted if the new Advisory Committee is appropriate and arrangements for membership have been made with the Heads of school/department/centre involved.

Research thesis

1. On completion of studies, a Master's degree candidate will submit a thesis which complies with the following requirements:
 - a) The greater proportion of the work described must have been completed subsequent to initial enrolment, and
 - b) It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and
 - c) It must be written in English or in a language approved by the Faculty and reach a satisfactory standard of literary presentation.
2. The thesis shall consist of the candidate's own account of his/her work. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied with the candidate's part in the joint work.
3. Every candidate shall submit with the thesis a short abstract of the thesis comprising of not more than 300 words.
4. A candidate may not submit as the main content of the thesis any work or material which has been previously submitted for a degree or other similar award, but shall not be precluded from incorporating such in the thesis, provided that he/she indicates generally in the preface and

- specifically in the notes of the work, material which has been so incorporated.
5. The candidate shall give in writing two months' notice of the intention to submit the thesis.
 6. Two copies of the thesis shall be prepared by the candidate.
 - a) The thesis shall be submitted to the Head, Student Administration (Cumberland) with a certificate signed by the supervisor(s) certifying that the form of presentation in the candidate's thesis is satisfactory.
 - b) If the head of school/department/centre declines to accept the thesis, the supervisor may appeal in writing to the Graduate Studies Committee.
 - c) If the supervisor or supervisor(s) decline(s) to certify the thesis is ready for examination and the head of school/department/centre declines to accept the thesis, a candidate may appeal to the Graduate Studies Committee.
 7. The following guidelines shall be followed in the preparation of the thesis:
 - a) A thesis should be typed on one side of the paper only with double spacing and medium-weight A4 paper. In exceptional circumstances and with the approval of the head of school/department/centre other forms of presentation may be permitted.
 - b) Margins should not be less than 3.5 cm on the left-hand side, 1.5 cm on the right-hand side and 2 cm at the top and bottom to allow for binding and trimming.
 - c) A thesis should incorporate in the following order:
 - i) a title page giving the title of the thesis in full, the full name and academic qualifications of the candidate, the name of the organisation, institute or laboratory in which the research was carried out (if applicable), the name of the school/department/centre of the tertiary institution associated with the work and the date when submitted for the degree;
 - ii) a table of contents;
 - iii) an abstract of approximately 300 words;
 - iv) a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution. The candidate shall also indicate in the thesis the sources of information and the extent to which the candidate has involved the work of others.
 - v) the supervisor's certificate, which is required to fulfil requirement 7 a, shall be attached to the first page of the thesis.
 - d) Sheets shall be numbered consecutively.
 - e) Diagrams and figures:

The following are general suggestions for normal practice but they may be varied in special cases with the approval of the head of school/department/centre:

 - i) diagrams and figures, etc, should preferably be drawn or photographed on medium weight A4 (rather than being affixed to A4 paper) and bound in the appropriate place in the text;
 - ii) all figures should form a right-hand page with the legend at either the bottom or, if necessary, on the page facing the figures;
 - iii) tables should be inserted in the appropriate place in the text, except that lengthy or bulky tables should appear as an appendix;
 - iv) diagrams, maps, tables, etc, exceeding A4 size, should be folded so as to read as a right-hand page when open.
 8. Two copies of the thesis shall be distributed after examination as follows:
 - 1st copy - the school/department/centre
 - 2nd copy - Library (this copy of the thesis must be on 'archival' paper).
 - a) The copy of the thesis deposited with the Library will be available for consultation, loan, or copying at the discretion of the Senior Librarian, unless the Faculty on the application of the candidate determines that it shall not be available until after the expiry of a stated period, which shall not normally exceed two years.
- b) The Senior Librarian shall require each user and recipient of a copy of a thesis to undertake in writing to respect the author's rights under the law relating to copyright.
 - c) A candidate for a higher degree may, when lodging a thesis, state that the thesis contains restricted or confidential information which the candidate does not desire to be disclosed freely and which may be released to other persons only on the authorisation of the Head, Student Administration (Cumberland), after consultation with the head of school/department/centre, but otherwise by lodging a thesis, a candidate consents to its release under Rule 8 (a).
 - d) Where the thesis contains materials which the candidate considers should have restricted distribution, the supervisor, the head of school/department/centre and the examiners shall be informed which parts are classified. If further precautions are required, for example, more secure transmission than registered post, costs are to be borne by the candidate.
 - e) Where a candidate states that a thesis contains confidential information which the candidate does not desire to be disclosed freely, the candidate may to the extent that is possible, place the information in an Appendix to the thesis.
 - f) The Senior Librarian shall not disclose to any persons the Appendix to a thesis where the candidate states that the Appendix contains restricted or confidential information, unless the Head, Student Administration (Cumberland), after consultation with the head of school/department/centre, has authorised such disclosure.
 - g) The candidate may submit as supporting documents any work he/she has published, only if it bears on the subject of the thesis.
- Examination of thesis*
1. The Faculty shall appoint two examiners, at least one of whom shall not be a member of the academic staff of the University. At least one examiner shall be selected from within the University. The student's supervisor(s) shall not be an examiner.
 2. All examiners shall be furnished with a copy of the course description and course requirements as published in the Faculty Postgraduate Handbook, and be required to award marks/grades of Fail, Pass, Credit, Distinction and High Distinction according to the criteria determined by the Faculty, which is available from Student Administration (Cumberland).
 3. The candidate may be required to attend the College or such other place as the Faculty shall determine for an oral examination of his/her thesis.
 4. The report of examiners shall be forwarded to the head of school/department/centre for recommendation to Graduate Studies Committee, to award one of the above grades as a thesis final result.

Note: However, if there is any disagreement among the examiners, the head, shall consult the supervisor and the annual progress report before making a recommendation.
 5. Following a resolution regarding the thesis by the Graduate Studies Committee, the examiners' reports, anonymously, may be released to the candidate by the relevant head of school/department/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. Unit material in many of the Faculty's Diploma, Graduate Diploma and Masters 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.

A summary of Biomedical Sciences units of study is shown in Table 5.2.

Master of Applied Science (Biomedical Sciences) by Research

This graduate program is designed primarily to provide an opportunity for those interested in pursuing one of the health sciences as a career to carry out research in any of the specialised areas of anatomy, physiology, microbiology, applied physics, applied chemistry, biochemistry or in human sexuality.

It will enable and encourage such graduate students to engage in multidisciplinary collaborative research within the Department of Biomedical Sciences as well as with other Schools/Departments of the Faculty of Health Sciences. Such research may be in a basic scientific and/or clinical setting.

The degree comprises a minimal coursework component which will be necessary to facilitate the research projects.

Admission requirements

- i) A Bachelor of Applied Science degree from the Faculty of Health Sciences, at a credit level or higher; or
- ii) A Bachelor of Applied Science degree from the Faculty of Health Sciences at an Honours level; or
- iii) A Baccalaureate degree preferably with a Biological background from an Australian university, at credit level or higher; or

- iv) A Bachelor of Medical Sciences degree; or
- v) A degree* deemed to be equivalent to any of the above from a foreign university; or
- vi) A Master's degree by coursework in a relevant/related area; or
- vii) Submit evidence of general and/or professional qualifications* as well as satisfy the Head of the Department and Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

Advanced Standing may be given to candidates of high calibre to enter the second year of the program.

Course outline

The course outline for the Master of Applied Science (Biomedical Sciences) by research is presented in Table 5.1.

Units of study

BIOS 6016 Research Thesis

Old code 11510A.

Each candidate will be required to submit a research proposal at the end of first semester of the full-time pass entry course. Students may be required to undertake and satisfactorily complete coursework or special programs as part of this unit. During subsequent semesters students will be required to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops.

The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree.

For details of the requirements, supervision and assessment of research thesis, Chapter 4 should be consulted.

BIOS 6017 Research Thesis

Old code 11510B.

Each candidate will be required to submit a research proposal at the end of first semester of the full-time pass entry course. Students may be required to undertake and satisfactorily complete coursework or special programs as part of this unit. During subsequent semesters students will be required to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops.

The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree.

For details of the requirements, supervision and assessment of research thesis, Chapter 4 should be consulted.

Table 5.1: Master of Applied Science (Biomedical Sciences) by Research

Course code	Mode of offer		Sem 1	Sem 2
1106	Special Qualifying Program (for Master's qualifying students)			
1116	Full-time; minimum 2 years			
1117	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time				
<i>Year 1 (and subsequent years)</i>				
BIOS6016	(11510A)	Research Thesis		
BIOS6017	(11510B)	Research Thesis		-
Part-time				
<i>Year 1 (and subsequent years)</i>				
BIOS6016	(11510A)	Research Thesis		
BIOS6017	(11510B)	Research Thesis		-

Table 5.2: Summary of Biomedical Sciences units of study

Unit code	(old code)	Unit name	School	Chapter
BIOS6016	(11510A)	Research Thesis	Biomedical Sciences	5
BIOS6017	(11510B)	Research Thesis	Biomedical Sciences	5
BIOS5046	(11513)	Functional Anatomy	Exercise and Sport Science	9
BIOS5047	(11454)	Biological Science	Medical Radiation Sciences	11
BIOS5026	(11455)	Anatomy and Biomechanics A	Physiotherapy	13
BIOS5036	(11481)	Cardiopulmonary Anatomy	Physiotherapy	13
BIOS5034	(11470)	Functional Anatomy	Physiotherapy	13
BIOS5028	(11457)	Neurophysiology and Pharmacology	Physiotherapy	13
BIOS5041	(11502X)	Biological Aspects of Ageing	Elective	17
BIOS5049	(11514)	Body Function for Health Professionals	Elective	17
BIOS5050	(11515)	Clinically Oriented Musculoskeletal Anatomy	Elective	17
BIOS5018	(11433X)	Health, Dysfunction and Ageing	Elective	17

(X = offered by off-campus mode)

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 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) 9351 9359.

Graduate Certificate of Health Science (Vision Impairment)

This Graduate Certificate course is designed to provide professional education for graduates in the health sciences, teaching or related areas who are working or wish to work in the area of vision impairment. The course consists of four core units and two elective units. It is only available in a part-time mode.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Graduate Diploma with advanced standing for stage one of that award.

Admission requirements

To qualify for admission applicants shall:

- i) Possess a undergraduate degree from an institution recognised by the University of Sydney; or
- ii) Possess an undergraduate diploma in a related area and show evidence of additional professional training and/or experience to indicate that the applicant has sufficient educational preparation and capacity to pursue post graduate studies; or
- iii) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii)

Course outline

The Graduate Certificate of Health Science (Vision Impairment) course consists of two core units and one elective in each semester. An outline is presented in Table 6.1.

Electives may be special electives offered by this course or selected from the list of those offered elsewhere within the Faculty of Health Sciences (see the listing under Table 6.2).

Table 6.1: Graduate Certificate of Health Science (Vision Impairment)

Unit code	(old code)	Unit name	Sem 1	Sem 2
ORTH5002	(14505)	Impact of Vision Impairment	4	
ORTH5003	(14506)	Introduction to Orientation and Mobility	4	
		Elective A	4	
ORTH5004	(14507)	Assessment of Vision Impairment		4
ORTH5005	(14508)	Management of the Client with Vision Impairment		4
		Elective B		4
Stage total (24 credit points)			12	12

Graduate Diploma of Health Science (Vision Impairment)

The Graduate Diploma of Health Science (Vision Impairment) course is designed to provide specialist study within a wide range of skills for professionals working with the vision impaired. The first module (common with the Graduate Certificate) provides a basis for this education, whilst the second module (in the second year) allows for individual programs to be developed from a range of electives and the provision for individual special study. The course is offered on either a full or part time basis and can be completed in a minimum of one year.

Admission requirements

To qualify for admission applicants shall:

- i) Possess a undergraduate degree from an institution recognised by the University of Sydney; or
- ii) Possess an undergraduate diploma in a related area and show evidence of additional professional training and/or experience to indicate that the applicant has sufficient educational preparation and capacity to pursue post graduate studies; or
- iii) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii)

Note: Participants wishing to transfer (or articulate) from the Graduate Certificate into the Graduate Diploma should complete a Course Application form and submit this to the Head of School. Admission for all students will be contingent on availability of places.

Course outline

The course outline for the Graduate Diploma of Health Science (Vision Impairment) is presented in Table 6.2. The first year of the course is identical to that of the Graduate Certificate. In the second year students complete three electives in each semester.

Electives may be special electives offered by this course or selected from the list of those offered elsewhere within the Faculty of Health Sciences (see the listing under Table 6.2).

Electives

Students may also select from the electives listed in Table 6.2 which have been identified as being of particular relevance to the aims of this program. However, other post graduate electives within the Faculty of Health Sciences may be approved if they are shown to be relevant to a particular student's needs, and carry appropriate units.

Details of these electives are presented in Chapter 17.

Table 6.2: Graduate Diploma of Health Science (Vision Impairment)

Course code	Mode of offer			
1416	Full-time; 2 Semesters			
1413	Part-time; 4 Semesters			
Total credit points: 48				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
ORTH5002	(14505)	Impact of Vision Impairment	4	
ORTH5003	(14506)	Introduction to Orientation and Mobility Elective	4	
ORTH5004	(14507)	Assessment of Vision Impairment		4
ORTH5005	(14508)	Management of the Client with Vision Impairment Elective		4
Stage total (24 credit points for Year 1)			12	12
Year 2				
3 electives (4 credit points each)			12	
3 electives (4 credit points each)				12
Stage total (24 credit points for Year 2)			12	12
Vision Impairment electives (see units of study in this chapter)				
Note: Most of these electives will include a clinical/fieldwork practicum.				
ORTH5007	(14510)	Orientation and Mobility Skills 2		
ORTH5008	(14511)	Assessment of Residual Vision		
ORTH5009	(14512)	Functional Implications of Vision Impairment		
ORTH5010	(14513)	Vision Enhancement		
ORTH5011	(14514)	Vision Efficiency Training		
ORTH5012	(14515)	Environmental Modification		
ORTH5013	(14516)	Vision Impaired Children and Their Families		
ORTH5014	(14517)	Vision Impairment in the Elderly		
ORTH5015	(14518)	Assessment and Management of Clients with Additional Impairments		
ORTH5016	(14519)	Community Based Rehabilitation		
ORTH5017	(14520)	Orientation and Mobility Skills 3		
ORTH5018	(14521)	Orientation and Mobility Skills 4		
ORTH5019	(14522)	Special Study A		
ORTH5020	(14523)	Special Study B		

Master of Applied Science (Orthoptics) by Research

The Master of Applied Science (Orthoptics) is a research degree designed to provide opportunities for research and scholarship in specific areas of applied visual sciences.

Admission requirements

Pass level entry

Applicants should possess either:

- i) A Bachelor of Applied Science in Orthoptics from the Faculty of Health Sciences, the University of Sydney; or
- ii) A Bachelor of Applied Science deemed to be equivalent to the above; or
- iii) A Diploma of Applied Science in Orthoptics from Cumberland College of Health Sciences PLUS other evidence of professional development or qualifications which will satisfy the Graduate Studies Committee that the applicant possesses the educational preparation and capacity to pursue graduate studies; or
- iv) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii) and (iii).

Applicants with a Diploma of Applied Science will normally be required to complete a qualifying program as prescribed by the Graduate Studies Committee.

Honours level entry

Applicants who have completed an approved bachelor degree at Honours level can be admitted to the program. They will not be required to complete a qualifying program.

Students with an Honours level may apply for advanced standing in the units Intermediate Statistics and Research Elective, enabling them to enrol in the unit Research Thesis in the first year of the program.

Time limits

The minimum length for a pass level will be four semesters full-time or six semesters part-time, exclusive of any qualifying program. The maximum length would normally be six semesters full-time and ten semesters part-time.

The minimum length for an honours level entry will be two semesters full-time or four semesters part-time, with the maximum length six semesters full-time and eight semesters part-time.

Course outline

The course outline for the Master of Applied Science (Orthoptics) by research is presented in Table 6.3.

Table 6.3: Master of Applied Science (Orthoptics) by Research

Course code	Mode of offer
1409	Special Program (for Master's qualifying students)
1407	Full-time; minimum 2 years
1408	Part-time; minimum 3 years
Total credit points: 48	

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
BACH5253	(2557V)	Intermediate Statistics	6	
ORTH6006	(14602)	Research Thesis	12	
ORTH6007	(14603)	Research Thesis	-	24
		Research Elective	6	
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
ORTH6007	(14603)	Research Thesis		
ORTH6008	(14604)	Research Thesis		
Part-time mode				
<i>Year 1</i>				
BACH5253	(2557V)	Intermediate Statistics	6	
		Research Elective ¹	6	-
ORTH6009	(14605)	Research Thesis		
<i>Year 2 (and subsequent years)</i>				
ORTH6006	(14602)	Research Thesis		
ORTH6009	(14605)	Research Thesis		

Notes to Table 6.3

1. Students may elect to enrol in Research Elective in Year 1 or 2, subject to availability and timetabling constraints (see chapter 17 for list of available Research Electives).

Units of study

ORTH 5015 **Assessment and Management of Clients with Additional Impairments**

Old code 14518. 4 credit points

Particular techniques for the assessment of the client with additional impairments are studied, along with special techniques, and modification of existing techniques for the management of vision impairment. Client groups would include those with hearing loss, cortical blindness, and intellectual and physical impairments.

ORTH 5008 **Assessment of Residual Vision**

Old code 14511. 4 credit points

The skills introduced in the core unit are further developed to enable skilful assessment and reporting on a wide range of conditions. Modification of these procedures for different age groups and abilities are also developed.

ORTH 5004 **Assessment of Vision Impairment**

Old code 14507. 4 credit points

Offered: July.

Practical skills in the assessment of vision impairment and residual vision function are developed, along with the functional assessment of the client's abilities and needs, and the effects of the vision impairment on activities of daily living. Assessment of the client with additional impairments is also introduced.

ORTH 5016 **Community Based Rehabilitation**

Old code 14519. 4 credit points

The principles of community based rehabilitation are introduced, and compared with other models of health delivery. The application of these principles, particularly in communities with limited resources are studied.

ORTH 5012 **Environmental Modification**

Old code 14515. 4 credit points

Techniques for modifying the environment for the needs of particular clients are studied in detail. Existing standards and their applications to public areas and work place are discussed.

ORTH 5009 **Functional Implications of Vision Impairment**

Old code 14512. 4 credit points

This elective allows for further development of the skills of analysing the client's vision impairment in relation to their environment and personal needs, and identifying resulting significant functional implications.

ORTH 5002 **Impact of Vision Impairment**

Old code 14505. 4 credit points

Offered: February.

Causes of vision impairment are introduced, with particular emphasis on the type and impact of the vision loss. Residual function, and the educational implications of specific eye conditions and the psychosocial impact of vision impairment are studied, along with the epidemiology of vision impairment in developed and developing countries.

BACH 5253 **Intermediate Statistics**

Old code 2557V. 6 credit points

Rob Heard, (02) 9351 9583, and Zakia Hossain (02) 9351 9340

Offered: February, July. **Prerequisite:** Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent.

Classes: Night classes.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

ORTH 5003 **Introduction to Orientation and Mobility Skills**

Old code 14506. 4 credit points

Offered: February.

In this unit students will be introduced to the principles of orientation and mobility instruction. Special emphasis will be on how to train a vision impaired person in the correct use and selection of the full range of sighted guide skills, strategies for safe indoor travel and self protection techniques.

ORTH 5005 **Management of the Client with Vision Impairment**

Old code 14508. 4 credit points

Offered: July.

Basic counselling skills are introduced. Case management and the choice of appropriate techniques are introduced, including vision enhancement techniques, vision efficiency training and environmental modification.

ORTH 5007 **Orientation and Mobility Skills 2**

Old code 14510. 4 credit points

Skills introduced in the core orientation and mobility unit are further developed to include orientation to outdoor routes, development of the full range of cane skills required for safe outdoor travel and utilisation of public transport. (This unit may be delivered in a block mode).

ORTH 5017 **Orientation and Mobility Skills 3**

Old code 14520. 4 credit points

Offered: July. **Prerequisite:** Orientation and Mobility Skills 2.

These electives are designed for the student who wishes to become proficient in advanced orientation and mobility skills. They encompass advanced skills for assisting the multi-impaired, utilising telescopic aids in the dynamic environment and issues related to the client with cortical vision impairment. A significant component of supervised practice will be included in each unit.

ORTH 5018 **Orientation and Mobility Skills 4**

Old code 14521. 4 credit points

Offered: February, July. **Prerequisite:** Orientation and Mobility Skills 3.

These electives are designed for the student who wishes to become proficient in advanced orientation and mobility skills. They encompass advanced skills for assisting the multi-impaired, utilising telescopic aids in the dynamic environment and issues related to the client with cortical vision impairment. A significant component of supervised practice will be included in each unit.

ORTH 6006 **Research Thesis**

Old code 14602.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH 6007 **Research Thesis**

Old code 14603.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH6008 Research Thesis

Old code 14604.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH6009 Research Thesis

Old code 14605.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH5019 Special Study A

Old code 14522. 4 credit points

Offered: February.

Special studies will be structured to meet students' needs if appropriate units are not available elsewhere within this program. Appropriate outside resources may be accessed to enable study at a sufficient level and proficiency to satisfy the Head of School that the study is appropriate within this program.

ORTH5020 Special Study B

Old code 14523. 4 credit points

Offered: July.

Special studies will be structured to meet students' needs if appropriate units are not available elsewhere within this program. Appropriate outside resources may be accessed to enable study at a sufficient level and proficiency to satisfy the Head of School that the study is appropriate within this program.

ORTH 5011 Vision Efficiency Training

Old code 14514. 4 credit points

The techniques of eccentric viewing training, hemianopia strategies and null point training are studied in detail, along with identification of appropriate clients who would benefit from such skills. Emphasis is placed on the techniques of client instruction in these techniques.

ORTH 5010 Vision Enhancement

Old code 14513. 4 credit points

This module develops the skills of identifying and choosing appropriate methods of vision enhancement for different clients, and of instructing the client in their use. Methods used include modification of lighting, optical magnifiers, closed circuit TV and computer based devices.

ORTH 5013 Vision Impaired Children and Their Families

Old code 14516. 4 credit points

The impact on the families of children with vision impairment are discussed. Strategies to overcome problems, including special techniques and the use of existing resources are studied in detail. The special needs of the children from birth to the completion of schooling are covered in this module.

ORTH 5014 Vision Impairment in the Elderly

Old code 14517. 4 credit points

The special needs and problems facing the elderly client with vision impairment are covered. Special techniques of assessment and management of the elderly client with additional problems (eg, limited mobility, dementia) are studied in detail. Existing resources for the elderly client with vision impairment are discussed.

School of Behavioural and Community Health Sciences

The School of Behavioural and Community Health Sciences was established in 1999 as a result of the amalgamation of the Department of Behavioural Sciences and the School of Community Health. The School has a twofold role within the Faculty of Health Sciences:

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

The School has an extensive research focus in 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. This research expertise is reflected in the number of students undertaking research programs at master's and doctoral levels.

Graduate program coordinators:

- Behavioural Science (coursework): Dr Mairwen Jones, (02) 9351 9571, pgbhs@cchs.usyd.edu.au
- Behavioural Science (research): Dr Robert Heard, (02) 93519498
- Child and Adolescent Health: Dr Mairwen Jones, (02) 9351 9571, pgbhs@cchs.usyd.edu.au
- Health Science (Education)(coursework and research): Mrs Fran Everingham, (02) 9351 9116, F.Everingham@cchs.usyd.edu.au
- Gerontology (coursework and research): Dr Cherry Russell, (02) 9351 9129, C.Russell@cchs.usyd.edu.au
- Rehabilitation Counselling (coursework and research): Dr Darien Chinnery, (02) 9351 9119, D.Chinnery @ cchs.usyd.edu.au

Graduate Certificate of Health Science (Behavioural Science)

and

Master of Health Science (Behavioural Science) by Coursework

These courses provide students with the opportunity to extend their undergraduate training by providing them with flexible pathways (streams) for professional development. There is an opportunity to develop knowledge and vocational skills in any of the following streams or any combination of the following streams: counselling, organisation and management studies, occupational health, international health, health policy, gerontology, education, research methods and information technology.

For the Graduate Certificate there is one core unit students must complete, this unit is Graduate Skills for Professional Development. For the Masters there are no core units specified. However, all Masters' students are required to do

one research elective. For both coursework programs at least 50 percent of the coursework electives must be in Behavioural Science. Electives are chosen by students in consultation with the Program Coordinator.

International students and participants undertaking the Masters Program who don't have a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

The courses are offered on a full-time or part-time basis. Some of the course requirements may be completed entirely off-campus, though not all units of study may be available distance mode. Students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study and/ or contract learning.

Students must complete four units for the Graduate Certificate of Health Science (Behavioural Science) by coursework. Students must complete eight units for the Master of Health Science (Behavioural Science) by coursework. Masters students wishing to take the award with honours will also complete a dissertation in semester three (full-time enrolment) or part-time equivalent. For students seeking registration with the NSW Psychologists' Registration Board please contact the Program Coordinator as negotiations with the Board are currently under review.

Students who do not complete all requirements for the Masters of Health Science (Behavioural Science) may be able to exit with the award of Graduate Diploma of Health Science (Behavioural Science) with successful completion of 36 credit points or with the award of Graduate Certificate of Health Science (Behavioural Science) with successful completion of at least 24 credit points. Students who are not qualified to enrol in the Master's degree may, upon approval of the Postgraduate Committee, be permitted to enrol in the Graduate Certificate. Conditional to satisfactory performance, students may be able to articulate to the Master of Health Science (Behavioural Science) coursework program.

Admission requirements

In order to qualify for admission to both coursework programs, applicants shall have:

- A Bachelor degree with a major in anthropology, sociology or psychology; or
- A Bachelor degree in social work; or
- An approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences; or
- Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

Course outlines

The course outlines for graduate coursework studies in Behavioural Science are presented in Tables 7.1, 7.2 and 7.2.1.

Table 7.1: Graduate Certificate of Health Science (Behavioural Science)

Course code Mode of offer
 2544 Full-time; minimum 0.5 year or 1 semester
 2545 Part-time; minimum 1 year or 2 semesters
 Credit points: 24

Unit code	(old code)	Unit name	Sem 1		Sem 2
Full-time mode					
<i>Year 1</i>					
BACH5186	(25560)	Graduate Skills for Professional Development	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 1)			24		24
Part-time mode					
<i>Year 1</i>					
BACH5186	(25560)	Graduate Skills for Professional Development	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year)			24		24

Table 7.2: Master of Health Science (Behavioural Science)

Course code Mode of offer
 2540 Full-time; minimum 1 year
 2541 Part-time; minimum 2 years
 Credit points: 48

Unit code	(old code)	Unit name	Sem 1		Sem 2
Full-time mode					
<i>Year 1</i>					
		Research elective (6 credit point)	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (48 credit points for Year 1)			24	or	24
Part-time mode					
<i>Year 1</i>					
		Research elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 1)			12	or	12
<i>Year 2</i>					
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 2)			12	or	12

Table 7.2.1: Master of Health Science (Behavioural Science) Honours

Course code Mode of offer
 2557 Honours; Full-time 1.5 years
 2558 Honours; Part-time 2.5 years
 Credit points: 60

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
as per pass course				
<i>Year 2 Honours</i>				
BACH5263	(25585)	Dissertation	12	or 12
Stage total (60 credit points)				
Part-time mode				
<i>Year 1 and Year 2</i>				
as per pass course				
<i>Year 3 Honours*</i>				
BACH5263	(25585)	Dissertation	12	or 12
Stage total (60 credit points)				

* Students wishing to be awarded a Master of Health Science (Behavioural Science) Honours must:

- Obtain a credit average
- Obtain a distinction for at least two units
- Complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a grade of Distinction.

Notes to Table 7.2.1

See information below for streams and refer to Chapter 17 for unit descriptions.

Elective streams

Depending on degree program students are enrolled in, students may be able to choose from a wide range of electives. These students may wish to complete a number of elective units from a specific topic area or stream. The School offers the following streams:

Ageing/Gerontology (00E61A)

BACH5149 (2554X) Ageing and Australian Society
 BACH5216 (2556U) Behavioural Aspects of Ageing
 BIOS5041 (11502) Biological Aspects of Ageing
 BACH5036 (2551P) Community Aged Care
 BIOS5018 (11433) Health Dysfunction and Ageing
 BACH5041 (2551U) Introduction to Gerontology
 BACH5027 (2551G) Mental Health in Later Life
 BACH5212 (2556Q) Multicultural Issues in Gerontology
 BACH5147 (2554U) Psychology of Ageing
 BACH5058 (2552B) Residential Care Policies and Services
 BACH5034 (2551N) The Residential Care Setting and Older People

BACH5038 (2551R) The Community Setting and Older People

Child and Adolescent Health (25661A)

BACH513 8 (2554K) Abnormal Psychology and Mental Health
 BACH5313 (2559J) Child and Adolescent Psychology
 BACH5198 (2556C) Contemporary Issues 1
 BACH5200 (2556E) Contemporary Issues 2
 BACH5309 (2559F) Psychological Assessment of Children & Adolescents
 BACH5063 (2552G) Therapy with Children, Adolescents and their Families

Counselling (00E61A)

BACH5138 (2554K/KX) Abnormal Psychology and Mental Health
 BACH5323 (2559T) Advanced Counselling Skills
 BACH5139 (2554L) Behaviour Modification and Cognitive Behaviour Therapy
 BACH5143(2554P) Counselling
 BACH5324 (2559V) Psychotherapy

Education (00E61A)

(not defined as behavioural science electives)

List A (normally offered in March Semester)

BACH5001 (25500) Adult Learning
 BACH5153 (25552) Assessment of Learning

BACH5085 (25533) Clinical Teaching and Supervision
 BACH5228 (25576) Computers for Teacher Productivity
 BACH5101 (2553J) Distance Learning
 BACH5002 (25501) Educational Design
 BACH5128 (2554A) Educational Innovation Project A
 BACH5151 (25550) Independent Investigation I
 BACH5039 (255 IS) Large Group Teaching
 BACH5118 (25540) Learning in Groups
 BACH5127 (25549) Teaching with Technology
 List B (normally offered in July Semester)

BACH5001 (25500) Adult Learning
 BACH5007 (25506) Curriculum Leadership
 BACH5116 (25534) Developing a Web-Based Education System
 BACH5002 (25501) Educational Design
 BACH5129(2554B) Educational Innovation Project B
 BACH5004 (25503) Educational Practice
 BACH5003 (25502) Facilitating Learning
 BACH5008 (25507) Health Promotion, Planning and Evaluation

BACH5044 (2551X) Implementing Distance Learning
 BACH5022 (255 IB) Independent Investigation II
 BACH5024 (255ID) In-Service and Continuing Education in the Health Services

BACH5020 (25519) Introduction to Educational Computing
 BACH5037 (2551Q) Introduction to Health Education
 BACH5025(2551E) Patient Education
 BACH5042 (2551V) Teaching Clinical Reasoning
 BACH5047 (25520) Teaching with Reduced Resources
 BACH5284 (2558Q) Learning in the Workplace

In addition, Educational Innovation is a two semester 12 credit point elective for students undertaking a major project in their workplace.

Health Policy (00E61A)

BACH5184 (25554) Community and Family: Social and Policy Perspectives
 BACH5286 (2558S) Ethnic Minorities and Health Care in Australia
 BACH5148 (2554V) Health Policy and Social Theory
 BACH5319 (2559P) Health, Population and Policy Development

Information Technology

- BACH5208 (2556M) Introduction to Computers and the Internet
- BACH5061 (2552E) Statistical Analysis with SPSS
- BACH5306 (2559C) International Health
- BACH5306 (2559C) Health Risk Management (International Perspective)
- BACH5196 (2556A) International Health: Sociological Analysis
- BACH5174 (2555N) Social Theory and Special Groups
- BACH5266 (25588) Occupational Health
- BACH5266 (25588) Ecological, Environmental and Nutritional Health
- BACH5164(2555D) Occupational Health
- BACH5291 (2558X) Occupational Rehabilitation
- BACH5165 (2555E) Post Trauma Stress
- BACH5305 (2559B/BX) Risk Management and Rehabilitation Policy
- BACH5180 (2555T) Stress and Illness

Organisation and Management Studies

- BACH5213 (2556R) Law and the Health Services
- BACH5224 (25572) Organisational Management
- BACH5290 (2558W) Organisational Psychology
- BACH5226 (25574) Organisational Structures in Health Contexts

Rehabilitation Counselling (00E31A)

See Program Coordinator

Research electives (6 credit points)

- BACH5300 (25596) Action Research
- BACH5268 (2558A) Developing a Research Project
- BACH5302 (25598) Epidemiological Research
- BACH5296 (25592) Evaluation Research
- BACH5298 (25594) History and Philosophy of Scientific Methodology
- BACH5253 (2557V) Intermediate Statistics
- BACH5256 (2557Y) Multivariate Statistics
- BACH5255 (2557X) Qualitative Research Methods
- BACH5011 (25510) Survey Research Methods

Other

- BACH5292 (25584) Art Therapy I
- BACH5317 (2559N) Art Therapy 2
- BACH5186 (25560) Graduate Skills for Professional Development
- BACH 5028 (2551H) Planning and Evaluation
- BACH5321 (2559R) Psychology for Graduate Students
- BACH5322 (2559S) Sociology for Health Professionals
- BACH5026(2551F) Special Investigation

Graduate Certificate of Health Science (Child and Adolescent Health)

and

Master of Health Science (Child and Adolescent Health) by Coursework

These courses allow students who have some background in the health professions and/or relevant disciplines to gain specialised knowledge in child and adolescent health. Both coursework programs will allow students to gain considerable contemporary knowledge in the application of psychology to child and adolescent health issues. The units aim to produce health professionals who are aware of, and can critically evaluate, and integrate into their work practice, culturally relevant, scientific, and methodologically sound research evidence in child and adolescent health. The electives give students the opportunity to develop discipline-based knowledge and research skills (including qualitative and quantitative data analysis); and an understanding of selected key issues in development and developmental psychopathology in a social and cultural context.

International students and participants undertaking the Masters Program who don't have a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate

Skills for Professional Development in their first semester of enrolment.

The courses are offered on a full-time or part-time basis. Some of the course requirements may be completed entirely off-campus, though not all units of study may be available distance mode. Students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study and/or contract learning.

Students undertaking the Graduate Certificate must complete four units, including Graduate Skills for Professional Development, the other three units must be from the Child and Adolescent Health Stream. Students must complete eight units for the Master of Health Science (Child & Adolescent Health) by coursework, including four Child and Adolescent Health electives and the research elective titled Developing a Research Project. Masters' students wishing to take the award with honours will also complete a dissertation in semester three (full-time) or part-time equivalent. For students seeking registration with the NSW Psychologists' Registration Board please contact the program coordinator as negotiations with the Board are currently under review.

Students who do not complete all requirements for the Master of Health Science (Child & Adolescent Health) may be able to exit with the award of Graduate Diploma of Health Science (Child & Adolescent Health) with successful completion of 36 credit points or with the award of Graduate Certificate of Health Science (Child & Adolescent Health) with successful completion of at least 24 credit points. Students who are not qualified to enrol in the Master's may, upon approval of the Postgraduate Committee, be permitted to enrol in the Graduate Certificate. Conditional to satisfactory performance, students may be able to articulate to the Master of Health Science (Child and Adolescent Health) coursework program.

Preferred stream

For masters' students, in addition to the core electives students need to select three other electives from the list of those available in the Faculty. However, students are encouraged to select electives from the Child and Adolescent stream where possible. Note: Students who choose Abnormal Psychology and Mental Health should not also choose Contemporary Issues 2 (and vice versa). Students will need to familiarise themselves with the semesters that the different Child and Adolescent Health electives are offered to ensure that over the period of enrolment the required electives are completed.

Admission requirements

In order to qualify for admission to both coursework programs, applicants shall have:

- i) A bachelor degree with a major in anthropology, sociology or psychology; or
- ii) A bachelor degree in social work; or
- iii) An approved bachelor degree in a health profession with satisfactory performance in behavioural sciences; or
- iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

Course outlines

The course outlines for graduate coursework studies in Child and Adolescent Health are presented in Table 7.3, 7.4 and 7.4.1.

Table 7.3: Graduate Certificate of Health Science (Child and Adolescent Health)

Course code Mode of offer
 2550 Full-time; minimum 0.5 year or 1 semester
 2551 Part-time; minimum 1 year or 2 semesters
 Credit points: 24

Unit code	(old code)	Unit name	Sem 1		Sem 2
Full-time mode					
<i>Year 1</i>					
BACH5186	(25560)	Graduate Skills for Professional Development	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
Stage total (24 credit points for Year 1)			24	or	24
Part-time mode					
<i>Year 1</i>					
BACH5186	(25560)	Graduate Skills for Professional Development	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
Stage total (24 credit points for Year 1)			12	or	12

Notes to Table 7.3

See information on page 37 for Child and Adolescent Health elective units of study, and see chapters 7 and 17 for unit descriptions.

Table 7.4: Master of Health Science (Child and Adolescent Health) by Coursework

Course code Mode of offer
 2546 Full-time; minimum 1 year
 2547 Part-time; minimum 2 years
 Credit points: 48

Unit code	(old code)	Unit name	Sem 1		Sem 2
Full-time mode					
<i>Year 1</i>					
BACH5268	(2558A)	Developing a Research Project	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (48 credit points for Year 1)			24	or	24
Part-time mode					
<i>Year 1</i>					
BACH5268	(2558A)	Developing a Research Project	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 1)			12	or	12
<i>Year 2</i>					
		Child and Adolescent Health Elective	6	or	6
		Child and Adolescent Health Elective	6	or	6
		Elective	6	or	6
		Elective	6	or	6
Stage total (24 credit points for Year 2)			12	or	12

Table 7.4.1: Master of Health Science (Child and Adolescent Health) Honours by Coursework

Course code	Mode of offer			
2562	Full-time Honours; 1.5 years			
2563	Part-time Honours; 2.5 years			
Credit points; 60				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
Year 1				
as per pass course				
Year 2 Honours¹				
BACH5263	(25585)	Dissertation	12	or 12
Stage total (60 credit points for Year)				
Part-time mode				
Year 1 and Year 2				
as per pass course				
Year 3 Honours¹				
BACH5263	(25585)	Dissertation	12	or 12
Stage total (60 credit points for Year)				

Notes to Table 7.4.1

1. Students wishing to be awarded a Master of Health Science (Behavioural Science) Honours must:
 - i) Obtain a credit average
 - ii) Obtain a distinction for at least two units
 - iii) Complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a grade of Distinction.

Master of Applied Science (Behavioural Science) by Research

The Master of Applied Science research program allows students to gain extensive research knowledge in the disciplines of psychology, sociology, and anthropology and their application to health behaviour, and health issues. The program aims to produce health professionals who can conduct culturally relevant, scientific, and methodologically sound research. It is aimed at those who have some research experience, and who wish to further their studies by independent research. There may be a coursework component required which develops vital research skills including qualitative and quantitative data analysis, and electives chosen by the student in consultation with the supervisor to provide an interdisciplinary focus for the research thesis.

Admission requirements

- In order to qualify for the Research Master's Program applicants shall have:
- i) A Bachelor degree with a major in anthropology, sociology or psychology; or
 - ii) A Bachelor degree in social work; or
 - iii) an approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences; or
 - iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii)-
- Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

Course outline

The course outline for the Master of Applied Science (Behavioural Science) by Research is presented in Table 7.5.

BACH9034 (10900) Special Program for Qualifying Students

The Special Programs are not units in the normal sense and do not necessarily involve a common syllabus and should not be compared between individual cases.

A. Research Electives

See Chapter 17.

B. Research Thesis A/Research Thesis B

(For unit numbers please refer to Table 7.5)

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

C. Contract Based Elective Studies: Areas of Supervisory Expertise

6 credit points

Students may be required to undertake elective studies in consultation with their supervisor. The semester in which these units are likely to be offered and its unit descriptions are indicated in Chapter 17.

Table 7.5: Master of Applied Science (Behavioural Science) by Research

Unit code	(old code)	Unit name	Sem 1	Sem 2
Course code	Mode of offer			
2537	Special Program (for Master Qualifying Students)			
2538	Full-time; minimum 2 years or 4 semesters			
2539	Part-time; minimum 3 years or 6 semesters			
Full-time mode				
<i>Year 1</i>				
BACH6015	(25614)	Developing a Research Project	8	8
BACH6037	(25636)	Research Thesis	-	-
BACH6038	(25637)	Research Thesis	-	-
<i>Year 2 (and subsequent years)</i>				
BACH6039	(25638)	Research Thesis	-	-
BACH6038	(25637)	Research Thesis	-	-
Part-time mode				
<i>Year 1</i>				
BACH6015	(25614)	Developing a Research Project	8	or 8
BACH6041	(25640)	Research Thesis	-	-
<i>Year 2 (and subsequent years)</i>				
BACH6040	(25639)	Research Thesis	-	-
BACH6041	(25640)	Research Thesis	-	-

Health Science (Education)

Health Science Education refers to the theory and practice of teaching and learning undertaken by health care professionals in a variety of contexts across the health sciences. Graduate studies in this field were first introduced in 1989.

Participants are current or aspiring teachers from across the health professions. Teachers in the health professions work as academics and tutors at this and other universities and colleges, instructional designers for flexible delivery of learning, clinical teachers and supervisors in fieldwork settings, nurse educators and clinical nurse specialists in hospitals, managers and training officers in human resource development units and pharmaceutical and medical supply companies, education officers in professional associations, patient educators and community health educators.

Tones (1987) conceptualization of 'Education for Health' persuasively captures the extent of the interdependence between education and health, adding weight to the case for context specific teacher preparation which is also health sector specific while enabling specialization by type of education role rather than discipline. Teacher training is congruent with the nature of service delivery and the professionalisation of education in health care. Typically participants enter our preparation program with flexible career goals, including the possibility of a future academic role. Meeting the need for portability in teaching careers through this broad based training program, combined with a mixed health professional target group, enriches and enhances common cause amongst teachers across the health arena.

The course structure for this award reflects the need for educators to first understand the processes of teaching and learning from both a theoretical and practical perspective, in order to positively influence and manage educational practice in the many settings of 'education for health'. The two core units provide a foundation in the theory of adult education and design for effective learning. The electives provide opportunities for participants to focus on streams of study related to educational contexts and modes of educational delivery in health sciences. Participants learn about teaching across four main specialties: student and clinical education, inservice and continuing education; technology based and distance education; patient and health education.

Studies are available in mixed mode. That is, both distance delivery or on-campus studies. Print-based independent learning packages support both modes of learning and email and web access are an advantage. The on-campus program is mainly offered at night or some Saturday workshops. This reflects the needs of the majority of students who are health professionals in full-time daytime employment. Midyear enrolment is an option. Assessment is assignment-based and focuses on real world application of knowledge and skills. The curriculum is sensitive to diversity and inclusive of international contexts.

Graduate Certificate of Health Science (Education)

Participants complete units of study totalling 24 credit points. This consists of two core units of study and two additional 6 credit point electives. The latter may be combined as one 12 credit point elective 'Educational Innovation Project A and B. On successful completion of the Graduate Certificate you may elect to articulate into the Graduate Diploma or Masters. Participants with non graduate entry will need to achieve a credit average to be eligible for articulation.

Admission requirements

In order to qualify for admission to the degree, applicants shall have:

- i) A bachelor degree in a health science field or other relevant area; or
- ii) submit other evidence of general and professional qualifications and/or experience, as well as satisfy the

Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
iii) have completed a minimum of one year full-time experience as a health professional.

Current or recent experience in teaching is considered desirable.

Course outline

The course outline for the Graduate Certificate of Health Science (Education) (by course work) is presented in Table 7.6.

Core units are described in the program introduction. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in Chapter 17.

Table 7.6: Graduate Certificate of Health Science (Education)

Course code	Mode of offer			
2529	Full-time; 1 Semester			
2530	Part-time; 2 Semesters			
2522	Off-campus; 2 Semesters			
Credit points: 24 (minimum)				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
BACH5001	(25500)	Adult Learning	6	or 6
BACH5002	(25501)	Educational Design	6	or 6
		Elective A	6	or 6
		Elective B	6	or 6
Stage total (24 credit points)				
Part-time mode				
BACH5001	(25500)	Adult Learning	6	or 6
BACH5002	(25501)	Educational Design	6	or 6
		Elective A	6	or 6
		Elective B	6	or 6
Stage total (24 credit points)				

Notes to Table 7.6

- i) Adult Learning must be undertaken in the first semester of entry to the program.
- ii) Participants undertake to study two (2) electives of 6 credit points. Generally these electives are taken from List A or List B.
- iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.

Graduate Diploma of Health Science (Education)

The Graduate Diploma is available as an early exit option from the Masters program. Participants may enrol directly into this award but note it does not meet the requirements of full time study as the second semester, requiring only two units of study, is only equivalent to a part time load. Participants must complete units of study totalling 36 credit points. This consists of the two core units of study and four additional 6 credit point electives. The latter may include the 12 credit point elective 'Educational Innovation Project A and B.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

- i) hold a Bachelor degree in a health sciences field or other relevant area; or
- ii) have such professional qualifications and/or experience that will satisfy the Faculty; or

iii) have a minimum of one year's full-time professional experience.

Current or recent experience in teaching will be considered desirable.

Note: Participants wishing to transfer (or articulate) from the Graduate Certificate into the Graduate Diploma should complete a Course Application form and submit this to Head of School by 30 October. Admission of non-Bachelor students will be contingent on completion of all the credit point requirements of the Graduate Certificate and achieving a credit grade average. Admission for all students will be contingent on availability of student places.

Course outline

The course outline for the Graduate Diploma of Health Science (Education) is presented in Table 7.7.

Core units are described in the program introduction. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in Chapter 17.

Table 7.7: Graduate Diploma of Health Science (Education)

Course code	Mode of offer			
2528	Part-time; 3 Semesters			
2523	Off-Campus; 3 Semesters			
Credit points: 36 (minimum)				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Part-time mode				
Year 1				
BACH5001	(25500)	Adult Learning	6	or 6
BACH5002	(25501)	Educational Design	6	or 6
		Elective A	6	or 6
		Elective B	6	or 6
Stage total (24 credit points for Year)				
Year 2				
		Elective C	6	or 6
		Elective D	6	or 6
Stage total (12 credit points for Year)				

Notes to Table 7.7

- i) Adult Learning must be undertaken in the first semester of entry to the program.
- ii) Participants undertake to study four (4) elective of 6 credit points. Generally these electives are taken from List A ior List B.
- iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.

Master of Health Science (Education) by Coursework

On successful completion of the Masters program students may apply for admission to the Master of Health Science Education (Honours). A participant who elects to exit early from the award of master may, on satisfactorily completing a minimum of 36 credit points, be awarded a Graduate Diploma of Health Science (Education). A participant who elects to exit early from the award of either master or graduate diploma may, on satisfactorily completing a minimum of 24 credit points, be awarded a Graduate Certificate of Health Science (Education). Participants in the Masters must complete units of study totalling 48 credit points. This consists of the two core units of study and six additional 6 credit point electives. The latter may include the 12 credit point elective Educational Innovation Project A and B.

Admission requirements

- i) A Bachelor degree in a health science field or other relevant area; or

- ii) submit other evidence of general and professional qualifications and/or experience, as well as satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
iii) have completed at least one year full-time practice as a health science professional.

Current or recent experience in teaching is considered desirable.

Course outline

The course outline for the Master of Health Science (Education) by is presented in the Table 7.8.

Core units are described in the program introduction. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in Chapter 17.

Table 7.8: Master of Health Science (Education) by Coursework

Course code	Mode of offer				
2525	Full-time; 1 year - On-campus				
2526	Part-time; 2 years - On-campus				
2524	Part-time; 2 years Off-campus				
Credit points: 48 (minimum")					
Unit code	(old code)	Unit name		Sem 1	Sem 2
Full-time mode					
<i>Year 1</i>					
BACH5001	(25500)	Adult Learning		6	or 6
BACH5002	(25501)	Educational Design		6	or 6
		Elective A		6	or 6
		Elective B		6	or 6
		Elective C		6	or 6
		Elective D		6	or 6
		Elective E		6	or 6
		Elective F		6	or 6
Stage total (48 credit points for Year 1)					
Part-time mode					
<i>Year 1</i>					
BACH5001	(25500)	Adult Learning		6	or 6
BACH5002	(25501)	Educational Design		6	or 6
		Elective A		6	or 6
		Elective B		6	or 6
Stage total (24 credit points for Year 1)					
<i>Year 2</i>					
		Elective C		6	or 6
		Elective D		6	or 6
		Elective E		6	or 6
		Elective F		6	or 6
Stage total (24 credit points for Year 2)					

Notes to Table 7.8

- i) Adult Learning must be undertaken in the first semester of entry to the program.
ii) Participants undertake to study four (4) elective of 6 credit points. Generally these electives are taken from List A <or List B.
iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.

Master of Health Science (Education) Honours by Coursework

This course offers the opportunity for educators in the health sciences who have completed the Master of Health Science Education to have the master degree awarded with honours following the completion of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem. An honours candidate will be required to enrol in the honours program no later than the census date of the semester

following that in which all coursework is completed. The dissertation will be deemed worth 12 credit points and will normally be completed within one semester.

Admission requirements

- i) Have completed the requirements for the Master of Health Science Education with at least 65% pass or better in all units of study and a 75% pass or better in at least two units of study.

Course outline

The course outline for the Master of Health Science (Education) Honours by Coursework is presented in Table 7.8.1.

Table 7.8.1: Master of Health Science (Education) Honours by Coursework

Unit code	(old code)	Unit name	Sem 1	Sem 2
Course code Mode of offer				
2564		Honours Full-time; On-campus		
2565		Honours Part-time; On-campus		
2566		Honours Off-campus		
Credit points: 60 (minimum)				
Full-time mode				
<i>Year 1</i>				
as per pass course				
Part-time mode				
<i>Year 1 and Year 2</i>				
as per pass course				
<i>Year 3 Honours</i>				
BACH5263	(25585)	Dissertation	12	or 12
Stage total (12 credit points for Year 3)				

Master of Applied Science (Education) by Research

This course is designed to provide participants with the opportunity to undertake research into the process of teaching and learning in their professions. Graduates from this course will be able to undertake research in education and also contribute to research activities in their professional field.

Admission requirements

- i) A bachelor degree at honours level in a health science field or other relevant area; or
- ii) A bachelor degree in a health science field or other related area; or
- iii) submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and satisfy such

- additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
- iv) have completed at least two years full-time work in their professional field; and
- v) have completed a minimum of one year's full-time experience in an educational role. Students with Honours level entry can apply for advanced standing in relevant research units. All qualifying requirements must be completed before enrolment in this Masters course.

Note: Applicants with a bachelor degree at pass level must demonstrate the necessary preparation in education and research including completion of studies in education normally to the level of graduate diploma. Applicants with a Bachelor degree at honours level may be required to complete studies in education normally to the level of graduate diploma.

Course outline

The course outline for the Master of Applied Science (Education) by Research is presented in Table 7.9.

Table 7.9: Master of Applied Science (Education) by Research

Course code	Mode of offer			
2506	Full-time; minimum 2 years			
2507	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
BACH6002	(25601)	Research Thesis		
BACH6003	(25602)	Research Thesis	-	-
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
BACH6002	(25601)	Research Thesis		
BACH6003	(25602)	Research Thesis	-	-

Master of Health Science (Gerontology) by coursework

This course offers professional development for practitioners whose work requires understanding of individual and population ageing. Graduates are equipped to occupy senior positions in management, policy, planning, education, research, clinical or other service delivery settings. Flexible pathways of learning enable participants to select the combination of specialist knowledge and skills which meets their individual needs.

The course structure reflects the need for professionals to understand the theoretical basis of gerontology and its application in specialised areas of knowledge about ageing and older people. To this end, participants undertake one core unit of study (Introduction to Gerontology) and a choice of specialist electives in Gerontology (to a total of at least 18 credit points). Participants may choose additional units from other award programs offered by the School in areas such as counselling, management, policy and planning, education, research methods, information technology, and international health. Participants should discuss their program of study options with the Course Coordinator. Note: International students and participants without a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

The course is offered on a full-time or part-time basis. Course requirements may be completed entirely off-campus, though not all elective units of study may be available in distance mode. Prospective off-campus students should

consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study and/or contract learning.

Participants who do not complete all requirements for the Master of Health Science (Gerontology) may be able to exit with the award of Graduate Diploma of Health Science (Gerontology) with successful completion of at least 36 credit points or with the award of Graduate Certificate of Health Science (Behavioural Science) with successful completion of at least 24 credit points.

Admission requirements

In order to qualify for admission to the degree, applicants shall have:

- i) A Bachelor degree in an area of occupational relevance such as the health, welfare, social or biological sciences; or
- ii) Overseas qualifications acceptable to the Faculty; or
- iii) Other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by Faculty.

Course outline

The course outlines for the Master of Health Science (Gerontology) by Coursework and Master of Health Science (Gerontology) Honours by Coursework are presented in Table 7.10 and 7.10.1.

Table 7.10: Master of Health Science (Gerontology) by coursework

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
BACH5041	(2551U)	Introduction to Gerontology	6	
		3 Electives (6 credit points each)	18	
		4 Electives (6 credit points each)		24
Stage total (48 credit points for Year 1)			24	24
Part-time mode				
<i>Year 1</i>				
BACH5041	(2551U)	Introduction to Gerontology	6	
		Elective	6	
		2 Electives (6 credit points each)		12
Stage total (24 credit points for Year 1)			12	12
<i>Year 2</i>				
		2 Electives (6 credit points each)	12	
		2 Electives (6 credit points each)		12
Stage total (24 credit points for Year 2)			12	12

Table 7.10.1 Master of Health Science (Gerontology) Honours by coursework

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
as per pass course				
<i>Year 2 Honours Year</i>				
BACH5263	(25585)	Dissertation	12	-
Stage total (12 credit points for Year 2)			12	
Part-time mode				
<i>Year 1 and Year 2</i>				
as per pass course				
<i>Year 3 Honours</i>				
BACH5263	(25585)	Dissertation	12	-
Stage total (12 credit points for Year 3)			12	

Notes to Table 7.10.1

Students study a total of seven elective units; each unit is 6 credit points. At least three elective units must be chosen from the Ageing/Gerontology stream. The electives offered may vary according to staff availability and student demand. With the approval of the School, students may choose remaining electives from units within other study streams, including research electives. Elective units within different study streams are listed later in this chapter. For a list of unit descriptions see Chapter 17.

Master of Applied Science (Gerontology) by Research

This course provides the opportunity for research in gerontology.

Admission requirements

To qualify for admission to the Master degree by research in gerontology applicants must:

- i) have completed a Bachelor degree in an area of relevance such as health, welfare, social, behavioural or biological sciences; or

- ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research.
- iii) Satisfy such additional requirements for admission to the program, if any, as may be prescribed.

Note: Applicants who have completed an approved Bachelor degree at Honours level may apply for admission to Year 2 of the program.

Course outline

The course outline for the Master of Applied Science (Gerontology) by Research is presented in Table 7.11.

Table 7.11: Master of Applied Science (Gerontology) by research

Course code	Mode of offer			
2508	Full-time; minimum 2 years			
2509	Part-time; minimum 3 years			
2561	Off-campus			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
BACH6019	(25618)	Research Thesis		
BACH6020	(25619)	Research Thesis	-	-
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
BACH6019	(25618)	Research Thesis		
BACH6020	(25619)	Research Thesis	-	-

Graduate Diploma in Rehabilitation Counselling

This course offers professional development for students wishing to add to their existing qualifications in behavioural or health sciences, graduates attain professional status as a rehabilitation counsellor and as such work with persons with disability or disadvantage to enable them to be a more active member of the community. The client's vocational, psychological, social and medical needs are reviewed and appropriate rehabilitation plans are implemented. This course can be completed on a one-year full-time basis or over two years via the off-campus (distance education) mode.

Admission requirements

In order to qualify for admission to the degree, applicants shall have:

- i) a Bachelor degree or a diploma including three years cumulative study in psychology or equivalent; or

- ii) Appropriate training and experience in one of the applied health professions. (Students entering on the basis of their qualifications in an allied health profession may be required to undertake some preliminary supplementary studies); and
- iii) It is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

Course outline

The course outline for the Graduate Diploma in Rehabilitation Counselling is presented in Table 7.12.

Table 7.12: Graduate Diploma in Rehabilitation Counselling

Course code	Mode of offer			
2500	Full-time; 1 year			
2517	Off-Campus; 2 years			
Credit points: Full-time 48; Off-Campus 52				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
REHB5000	(25504)	Counselling A	4	-
REHB5001	(25505)	Counselling B	-	4
REHB5002	(25508)	Rehabilitation A	4	-
REHB5003	(25509)	Rehabilitation B	-	4
REHB5004	(25513)	Independent Study A	3	-
REHB5005	(25514)	Independent Study B	-	3
REHB5006	(25521)	Vocational Rehabilitation A	4	-
REHB5007	(25522)	Vocational Rehabilitation B	-	4
REHB5008	(25527)	Field Experience I	-	4 ¹
REHB5009	(25528)	Field Experience II	-	5 ¹
REHB5012	(2553K)	Medical Aspects of Disability		
		Elective ⁴	3	
		Elective ⁴	-	3
Stage total (48 credit points for Year 1)			25	23
Off-campus mode				
<i>Years 1 and 2</i>				
REHB5000	(25504)	Counselling A	4	-
REHB5001	(25505)	Counselling B	-	4
REHB5006	(25521)	Vocational Rehabilitation A	4	-
REHB5007	(25522)	Vocational Rehabilitation B	-	4
REHB5056	(25529)	Field Experience A	-	4 ³
REHB5011	(2553D)	Residential School	-	4
REHB5004	(25513)	Independent Study A ²	3	-
REHB5005	(25514)	Independent Study B ²	-	3
Year 1	Stage total (24 credit points)		8	16
Year 2	Stage total (30 credit points)		11	19
<i>Years 1 and 2 (to be offered in 2001)</i>				
REHB5002	(25508)	Rehabilitation A	4	-
REHB5003	(25509)	Rehabilitation B	-	4
REHB5004	(25513)	Independent Study A ²	3	-
REHB5005	(25514)	Independent Study B ²	-	3
REHB5010	(25530)	Field Experience B	-	5 ³
REHB5012	(2553K)	Medical Aspects of Disability	3	-
		Elective ⁴	3	-
		Elective ⁴	-	3
Year 1	Stage total (22 credit points for Year)		10	12
Year 2	Stage total (28 credit points for Year)		13	15

Notes to Table 7.12

1. Includes two 5-week (175 hour) block placements at separate agencies, complemented by pre and post-placement tutorials. The first placement will be undertaken in the inter-semester recess. In 2000 this break is only of 4 weeks duration due to the Olympic Games. The extra week or its equivalent will need to be negotiated with the Clinical Practice Coordinator; options for part-time placements during semester 1 or 2 will be considered.

2. For students enrolled in second year only.

3. May be completed in either semester or during inter-semester break.

4. Rehabilitation Counselling electives:

REHB5042 (2551CX)	Psychiatric Rehabilitation	REHB5028 (2553S)	Rehabilitation of Persons with Hearing Loss
REHB5014 (2553LX)	Rehabilitation and Substance Abuse	REHB5030 (2553T)	Rehabilitation of Spinal Injury
REHB5016 (2553MX)	Rehabilitation of Public Offenders	REHB5032 (2553U)	Rehabilitation of Persons Living with HIV/AIDS
REHB5018 (2553N)	Rehabilitation of Persons with Developmental Disability	REHB5034 (2553V)	Rehabilitation and Post-Traumatic Stress Disorders
REHB5020 (2553OX)	Rehabilitation and Older People	REHB5036 (2553W)	Chronic Pain in Rehabilitation
REHB5022 (2553PX)	Rehabilitation of Persons with Acquired Brain Injury	REHB5038 (2553X)	Leisure and Recreation for People with Disability
REHB5024 (2553Q)	Rehabilitation of Persons from NESB	AHCH5050 (07550)	Perspectives in Indigenous Health
REHB5026 (2553R)	Rehabilitation of Persons with Vision Impairment		

Master of Rehabilitation Counselling by Coursework

This course can be completed on a 3 semester full-time basis or over 6 semesters off-campus (distance education) mode. The coursework in the first 2 (full-time) or 4 (part-time) semesters is equivalent to that offered in the Graduate Diploma in Rehabilitation Counselling.

Admission requirements

To qualify for admission to the Master degree by coursework in rehabilitation counselling, applicants must:

- i) have completed a Bachelor degree in an appropriate area other than rehabilitation counselling with meritorious performance; or

- ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Academic Board that the applicant possesses the educational preparation and capacity to undertake the coursework and treatise requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Academic Board; and
- iii) It is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

Course outline

The course outline for the Master of Rehabilitation Counselling by Coursework is presented in Table 7.13.

Table 7.13: Master of Rehabilitation Counselling (by Coursework)

Course code	Mode of offer			
2505	Full-time; 1.5 years (3 semesters); 72 credit points			
2516	Off-Campus; 3 years (6 semesters); 76 credit points			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
REHB5000	(25504)	Counselling A	4	-
REHB5001	(25505)	Counselling B	-	4
REHB5002	(25508)	Rehabilitation A	4	-
REHB5003	(25509)	Rehabilitation B	-	4
REHB5006	(25521)	Vocational Rehabilitation A	4	-
REHB5007	(25522)	Vocational Rehabilitation B	-	4
REHB5008	(25527)	Field Experience I	-	4 ¹
REHB5009	(25528)	Field Experience II	-	5 ¹
REHB5012	(2553K)	Medical Aspects of Disability		
		Research Elective		6 ²
		Elective ⁴	3	
		Elective ⁴		3
Stage total (48 credit points for Year 1)			22	26
<i>Year 2 (Semester 1)</i>				
REHB5064	(2552H)	Dissertation	24	-
Stage total (24 credit points for Year 2)				
Off-campus mode				
<i>Years 1 and 2</i>				
REHB5000	(25504)	Counselling A	4	-
REHB5001	(25505)	Counselling B	-	4
REHB5006	(25521)	Vocational Rehabilitation A	4	-
REHB5007	(25522)	Vocational Rehabilitation B	-	4
REHB5056	(25529)	Field Experience A	-	4 ³
REHB5011	(2553D)	Residential School	-	4
Stage total (24 credit points)			8	16
<i>Years 1 and 2 (to be offered in 2001)</i>				
REHB5002	(25508)	Rehabilitation A	4	-
REHB5003	(25509)	Rehabilitation B	-	4
REHB5010	(25530)	Field Experience B	-	5 ³
REHB5012	(2553K)	Medical Aspects of Disability	3	-
		Elective ⁴	3	-
		Elective ⁴	-	3
Stage total (22 credit points)			10	12
<i>Year 3</i>				
REHB5040	(25557)	Dissertation	12	-
REHB5041	(25558)	Dissertation	-	12
		Research Elective	6	-
Stage total (30 credit points for Year 3)			18	12

Notes to Table 7.13

1. Includes two 5-week (175 hours) block placements, at separate agencies, complemented by pre-placement tutorials. The first placement will be undertaken in the inter-semester recess. In 2000 this break is only 4 weeks in duration due to the Olympic Games. The extra week or its equivalent will need to be negotiated with the Clinical Practice Coordinator; options for part-time placements for Semester 1 or 2 will be considered.

2. Research Elective: Students select one of the units in consultation with the course coordinator. These units are each 6 credit points and can be taken in either semester 1 or semester 2. For the list of Research Electives see Chapter 17.

3. May be completed in either semester or during inter-semester break.

4. For students enrolled in second year only. Rehabilitation Counselling electives:

AHCH5050 (07550)	Perspectives in Indigenous Health
REHB5036 (2553W)	Chronic Pain in Rehabilitation
REHB5038 (2553X)	Leisure and Recreation for People with Disability
REHB5042 (2551CX)	Psychiatric Rehabilitation
REHB5020 (25530X)	Rehabilitation and Older People
REHB5034 (2553V)	Rehabilitation and Post-Traumatic Stress Disorders
REHB5014 (2553LX)	Rehabilitation and Substance Abuse
REHB5024 (2553Q)	Rehabilitation of Persons from NESB
REHB5032 (2553U)	Rehabilitation of Persons Living with HIV/AIDS
REHB5018 (2553N)	Rehabilitation of Persons with Developmental Disability
REHB5022 (2553PX)	Rehabilitation of Persons with Acquired Brain Injury
REHB5026 (2553R)	Rehabilitation of Persons with Vision Impairment
REHB5028 (2553S)	Rehabilitation of Persons with Hearing Loss
REHB5016 (2553MX)	Rehabilitation of Public Offenders
REHB5030 (2553T)	Rehabilitation of Spinal Injury

Table 7.14: Master of Applied Science (Rehabilitation Counselling) by Research

Course code	Mode of offer
2513	Full-time; minimum 2 years
2514	Part-time; minimum 3 years

Full-time mode*Year 1 (and subsequent years)*

REHB6007 (25606)	Research Thesis
REHB6008 (25607)	Research Thesis

Part-time mode*Year 1 (and subsequent years)*

REHB6007 (25606)	Research Thesis
REHB6008 (25607)	Research Thesis

Master of Applied Science (Rehabilitation Counselling) by Research

This course provides the opportunity for research in the areas of rehabilitation, rehabilitation counselling, rehabilitation administration, and the management of rehabilitation resources.

Admission requirements

In order to qualify for admission to the degree, applicants shall have completed:

- i) a Graduate Diploma of Health Science (Rehabilitation Counselling) or Bachelor of Health Science (Rehabilitation Counselling); or
- ii) an Associate Diploma of Health Science (Rehabilitation Counselling) plus a Bachelor degree with a major in psychology or other behavioural science unit; or
- iii) General and professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

In addition, the applicant shall satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty. The applicant shall normally have had a minimum of one year of full-time relevant work experience in a rehabilitation setting.

Course outline

The course outline for the Master of Applied Science (Rehabilitation Counselling) by Research is presented in Table 7.14.

Field experience and professional practice

Rehabilitation Counselling

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

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

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

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

These objectives are fulfilled by placement blocks of supervised field practice complemented by supporting seminars, tutorials and agency visits. At least one placement is to be supervised by a practising/qualified rehabilitation counsellor.

Graduate Diploma (Rehabilitation Counselling) and Masters (Rehabilitation Counselling) students are required to complete 385 hours. This includes two field placements at separate agencies, as per dates below.

Field placement dates - Graduate Diploma and Master in Rehabilitation Counselling

Semester 1

26 June to 21 July

Semester 2

30 October to 4 December

Please refer to notes for details of placement requirements and options.

Units of study

BACH 5138 Abnormal Psychology and Mental Health

Old code 2554K/2554KX. 6 credit points

C. Lennings, (02) 9351 9587

Offered: February, July. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assessment:** 5 case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM-IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The Unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review.

BACH 5001 Adult Learning

Old code 25500/25500X. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: February, July. **Classes:** Night classes (starts after 4.00pm); external/distance mode; independent learning packages.

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

BACH 5323 Advanced Counselling Skills

Old code 2559T/2559TX. 6 credit points

C. Lennings, (02) 9351 9587, and D. Kenny, (02) 9351 9644

Offered: July. **Classes:** Contract learning.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The Unit is taught as a series of six seminars in the semester following completion of the Counselling Unit. The Unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken.

BACH 5149 Ageing and Australian Society

Old code 2554X. 6 credit points

Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Contract learning.

A sociological analysis of ageing in Australia will lead the student to an understanding of the multiple relationships between social structures and processes, the individual experience of ageing and the position of elderly people in Australian society.

BACH 5292 Art Therapy I

Old code 2558Y. 6 credit points

Lily Lee, (02) 9351 9228

Offered: February, July. **Classes:** Weekend classes.

Art Therapy offers principles, processes and practice in art-imagery therapy at an introductory level. Art Therapy is seen as an integration of nonverbal and verbal processes; and an integration of psychological therapies with creative expressive processes. The orientation presented is eclectic and is based on theo-

lies of imagery, perception, and non-interpretive therapy. The focus is on practice and skills attainment and an understanding of why and how these art therapy processes are used within the overall client plan. Counselling experience is preferred. This unit is conducted over 3 to 4 weekends

BACH 5317 Art Therapy II

Old code 2559N. 6 credit points

L. Lee, (02) 9351 9228

Offered: February, July. **Prerequisite:** Art Therapy I BACH 5292 (2558Y). **Classes:** Weekend classes.

The nonverbal processes of Art Therapy and Imagery are particularly important in working with the survivors of trauma and traumatic emotions can be encoded in nonverbal imagery. This unit of study will offer students the opportunity to understand and experientially learn skills in some specific Art Therapy and Imagery processes. These processes can be used with adults and children suffering from symptoms of traumatic life experiences. With the emphasis on experiential skills training, current trauma treatments will be reviewed. This unit is conducted over 3 to 4 weekends

BACH 5153 Assessment of Learning

Old code 25552. 6 credit points

F. Everingham, (02) 9351 9116

Offered: February. **Prerequisite:** Instructional Design and Teaching Skills (08505). **Classes:** Night classes; independent learning package; external/distance mode.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy

Old code 2554L. 6 credit points

Dr Mairwen Jones, (02) 9351 9571

Offered: February. **Classes:** Contract learning.

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, directed independent study unit.

BACH 5216 Behavioural Aspects of Ageing

Old code 2556U. 6 credit points

Steve Cumming, (02) 9351 9404

Offered: February. **Classes:** Independent learning package; external/distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people. This elective is conducted in on-campus mode via directed independent study.

BIOS 5041 Biological Aspects of Ageing

Old code 11502X. 6 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Independent learning package.

Assessment: Written assignment.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing.

BACH 5313 Child and Adolescent Psychology

Old code 2559J. 6 credit points

Dr Chris Lennings, (02) 9351 9587, and Dr Diana Kenny, (02) 9351 9644

Offered: February.

This unit will provide students with an understanding of the major theories of child and adolescent development, research methods appropriate to its study, an overview of current issues in childhood and adolescence and the applications of developmental theory to health professional practices. The focus in this unit will be on normal development.

BACH 5085 Clinical Teaching and Supervision

Old code 25533/25533X. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: February. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

BACH 5036 Community Aged Care

Old code 2551 P. 6 credit points

Dr Cherry Russell, (02) 9351 9129

Offered: February, July. **Classes:** Contract learning.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of 'deinstitutionalisation' as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg. a particular service type of practice issue, elder abuse, social isolation, homelessness).

BACH 5184 Community and Family: Social and Policy Perspectives

Old code 2555Y. 6 credit points

Rosemary Cant, (02) 9351 9560

Offered: July. **Classes:** Contract learning.

This unit develops an understanding of urbanisation and the concept of community in relation to young adults. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, intensity 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 in youth and adolescence. The interplay between assistance offered by formal health-care and community organisations with informal support is discussed from a sociological perspective. The debate about the predominance of the modified extended family versus the various types of nuclear families is considered and the effects of life-cycle stage and culture are examined. In particular it investigates dependency and support within the family context. Important foci of the unit are the structure and functions of the Australian family and the role of public policies in shaping them. These will be addressed in a historical context.

BACH 5228 Computers for Teacher Productivity

Old code 25576. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: February. **Classes:** Class attendance required; weekly classes, on-campus only. **Assessment:** (Non exam) assignment based.

This unit provides opportunities for participants to explore and develop skills in the ways computers are used to enhance the productivity of health science educators. It focuses on the selection and use of the appropriate computer application software to create written and graphic teaching materials, create databases and spreadsheets for teaching administration purposes, search

journal databases stored on CD-ROM, and the internet. Class size will be limited by the number of computers available.

BACH 5198 Contemporary Issues I

Old code 2556C. 6 credit points

C. Lennings, (02) 9351 9587, and D. Kenny, (02) 9351 9644

Offered: February, July.

This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

BACH 5200 Contemporary Issues II

Old code 2556E. 6 credit points

Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644

Offered: February. Prerequisite: Contemporary Issues I BACH 5198(2556C).

This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment not previously studied in Contemporary Issues 1. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

BACH 5143 Counselling

Old code 2554P/2554PX. 6 credit points

Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644

Offered: February. **Classes:** Class attendance required.

Assessment: Audio-tape; literature review.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, outplacement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

REHB5000 Counselling A

Old code 25504. 4 credit points

Offered: February.

This intensive unit introduces theories and procedures utilised within rehabilitation counselling, provides practice covering the basic microskills. The aim is the development of the understanding necessary to conceptualise a client's needs and to formulate appropriate goals for counselling. This course is offered utilizing flexible modes of delivery.

REHB 5001 Counselling B

Old code 25505. 4 credit points

Offered: February.

Students are introduced to action based counselling theory. The application of counselling to the rehabilitation counselling context is also explored. This course is also offered utilizing flexible modes of delivery.

BACH 5007 Curriculum Leadership

Old code 25506/22506X. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: July. **Prerequisite:** Instructional Design and Teaching Skills (08505) and Adult Learning (08504). **Classes:** Night classes; independent learning package; external/distance mode.

Assessment: (Non exam) assignment based.

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work.

Distance education and on campus mode (night classes) with independent learning packages; two optional audioconferences; email support.

BACH 5268 Developing a Research Project

Old code 2558AX. 6 credit points

Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Attendance required; external/distance mode.

This unit provides an overview of the research process and focus on the formulation of a research proposal. It provides students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 6015 Developing a Research Project

Old code 25614. 8 credit points

Offered: February, July. **Classes:** attendance required; external/distance mode.

This unit provides an overview of the research process and focus on the formulation of a research proposal. It provides students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 5116 Developing a Web-based Education System

Old code 2553Y/2553YX. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: July. **Classes:** Web-based (distance and on-campus mode (night classes)).

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

BACH 5263 Dissertation

Old code 25585/25585X. 12 credit points

Dr Cherry Russell, (02) 9351 9129

Offered: February, July. **Classes:** Contract learning; external/distance mode.

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

REHB5040 Dissertation

Old code 25557. 12 credit points
Offered: February.

The treatise requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

REHB 5041 Dissertation

Old code 25558. 12 credit points
Offered: July.

The treatise requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

REHB 5064 Dissertation

Old code 2552H. 24 credit points
Offered: February.

The treatise requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

BACH 5101 Distance Learning

Old code 2553J/2553JX. 6 credit points
Dr M Mahony, (02) 9351 9754

Offered: February. Classes: Independent learning package; external/distance mode; one 2-hour on-campus evening group meeting; one audioconferenced group meeting. Assessment: Three written assignments: proforma based review, journal, and report, no exam.

Participants in this unit will investigate contemporary distance education policies and practice and develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they will also investigate one or more delivery media and critically evaluate its contribution to the teaching/learning situation for a specified situation. Throughout the unit they will be expected to draw on their understanding of educational design and adult education principles. Offered in distance education mode with independent learning materials package, one 2 hr on-campus evening group meeting (alternative activities negotiated for students unable to attend) and one audioconferenced group meeting. Three written assignments (proforma based review, journal, and report: no exam).

BACH 5266 Ecological, Environmental and Nutritional Health

Carol O' Donnell, (02) 9351 9580, and Kaye Brock, (02) 9351 9124.
Classes: Contract learning.

Human ecology is the study of the interaction of people with their environment. Thus the aim of this unit is to provide students with the theoretical background to health within the context of the dynamics and distribution of populations. The role of environmental factors in the health of humans will be investigated with special emphasis on nutrition.

BACH 5002 Educational Design

Old code 25501/25501X. 6 credit points
Fran Everingham, (02) 9351 9116

Offered: July. Classes: Class attendance required: night classes; independent learning packages; email support; external/distance mode. Assessment: (Non exam) assignment-based.

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking educational design project.

BACH 5128 Educational Innovation Project A (Health Science Education Only)

Old code 2554A/2554AX. 6 credit points
Victoria Neville, (02) 9351 9118 and subject specialists where relevant.

Offered: February. Assessment: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance and education and on campus mode (night classes) with email support.

BACH 5129 Educational Innovation Project B (Health Science Education Only)

Old code 2554B/2554BX. 6 credit points
Victoria Neville, (02) 9351 9118 and subject specialists where relevant.

Offered: July. Assessment: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance and education and on campus mode (night classes) with email support.

BACH 5004 Educational Practice

Old code 25503/25503X. 6 credit points
Victoria Neville, (02) 9351 9118

Offered: July. Prerequisite: Instructional Design (08505). Classes: Contract learning.

Participants undertake an independent learning project in which they develop a teaching plan or product relevant to their professional setting.

Distance education and on campus mode with email support. Directed independent learning contract including negotiated assessment.

BACH 5302 Epidemiological Research

Old code 25598. 6 credit points
Dr Kaye Brock (02) 9351 9124

Offered: February.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

BACH 5286 Ethnic Minorities and Health Care in Australia

Old code 2558S. 6 credit points
Toni Schofield, (02) 9351 9577

Offered: July. Classes: Contract learning.

This unit explores the health and health care experiences of Australians from non-English speaking backgrounds (NESB). It does so by examining the concept of cultural diversity in health in relation to structures of class, gender and ethnicity. The unit will be presented in contract learning mode with individual student consultations. Assessment will be an essay, and topics will be decided through negotiation between the unit coordinator and the student.

BACH 5003 Facilitating Learning

Old code 22502/25502X. 6 credit points
Fran Everingham, (02) 9351 9116

Offered: July. Prerequisite: (or corequisite) Group Dynamics (08426). Classes: Weekend classes; independent learning package; external/distance mode. Assessment: Essay and report based (no exam).

The primary function of a teacher is the facilitation of effective learning. Micro skills of teaching and facilitation skills that enable learning from experience are both studied and practiced. The process of reflection is used to illuminate and develop personal style. Knowledge of learning in groups (group dynamics) is useful.

Distance education and on campus mode with independent learning packages and email support. Both modes are encouraged to attend three Saturday workshops for skills practice.

REHB 5056 Field Experience A

Old code 25529. 4 credit points
Classes: 193 hours.

REHB 5010 Field Experience B

Old code 25530. 5 credit points
Classes: 192 hours; Night classes (starting after 4.00pm).

REHB 5008 Field Experience I

Old code 25527. 9 credit points
Classes: 385 hours: Intersemester- 4 credit points; Semester 2-5 credit points).

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional. Students are required to complete a total of 385 hours of placement under supervision.

REHB 5009 Field Experience II

Old code 25528. 9 credit points

Classes: 385 hours: Intersemester - 4 credit points; Semester 2-5 credit points).

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional. Students are required to complete a total of 385 hours of placement under supervision.

BACH 5186 Graduate Skills for Professional Development

Old code 25560. 6 credit points

Zakia Hossain, (02) 9351 9340

Offered: February, July.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical annotated bibliography, formation of tables and graphs, critical literature review leading to the presentation of a grant proposal, a conference presentation or a draft journal article. There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

BIOS 5018 Health, Dysfunction and Ageing

Old code 11433X. 6 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Directed. **Assessment:** Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

BACH 5148 Health Policy and Social Theory

Old code 2554V. 6 credit points

Dennis McIntyre, (02) 9351 9567

Offered: February. **Classes:** Contract learning.

This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issue covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg. consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention?

This unit will be conducted in the on-campus mode during the Second Semester 2000 and will require two hours attendance (evenings) for 13 weeks.

BACH 5008 Health Promotion, Planning and Evaluation

Old code 25507. 6 credit points

Carol O'Donnell

Offered: July. **Prerequisite:** (or corequisite) Introduction to Health Education (08481). **Classes:** Attendance required.

NB: Not offered in 2000.

Models for planning and evaluation are examined. Application of these to the local context is a key strategy for learning.

BACH 5306 Health Risk Management (International Perspectives)

Old code 2559C/2559CX. 6 credit points

Carol O'Donnell, (02) 9351 9580

Offered: Full Year (starts Feb). **Classes:** Contract learning; external/distance mode.

This unit aims to provide students with an understanding of the requirements of basic health risk management in the context of the principles adopted by the Asia/Pacific Economic Cooperation (APEC) Agreement and other relevant international standards and agreements. The course addresses the background to the Asia/Pacific Economic Cooperation (APEC) Agreement; key principles, and ramifications for parties to the agreement. Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health, work and rehabilitation are also addressed. Students also examine the problems of implementing APEC principles and effective health risk management, and suggest the means by which some of these problems might be overcome.

BACH 5319 Health, Population and Policy Development

Old code 2559P. 6 credit points

Zakia Hossain, (02) 9351 9340

Offered: February. **Classes:** Contract learning.

This unit examines the changing population characteristics of Australia and the effect of health and well being; health delivery services and policy development. The unit provides a socio-demographic analysis of changing patterns of mortality and morbidity, nuptiality and fertility in Australia over time and their impact on policy development in particular health policy. The unit also examines Australia's population and health in a global context. The unit uses cross-cultural and cross sectional analyses in understanding the issues relevant to population change, health and policy development.

BACH 5298 History and Philosophy of Scientific Methodology

Old code 25594. 6 credit points

Offered: February, July.

This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.

BACH 5044 Implementing Distance Learning

Old code 2551X72551XX. 6 credit points

D. Roberts

Offered: July. **Classes:** Independent learning package; external/distance mode.

This elective builds onto distance learning. You develop skills formulating distance course proposals, structuring materials; selecting and integrating media; promoting interactivity; and tackling the writing process for distance packages. Studies are by independent learning packages with teleconferences and webwise.

BACH 5151 Independent Investigation I

Old code 25550/2550X. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: February. **Classes:** Contract learning.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

BACH 5022 Independent Investigation II

Old code 2551 B/2551 BX. 6 credit points

Offered: July. **Classes:** Contract learning.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

REHB 5004 Independent Study A

Old code 25513. 3 credit points

Offered: February.

Students undertake an independent study devoted to a specific area of handicap or disadvantage. Alternatively, they may elect a study devoted to the administration and/or evaluation of an agency program, or investigate a current rehabilitation issue.

REHB 5005 Independent Study B

Old code 25514. 3 credit points

Offered: July.

Students undertake an independent study devoted to a specific area of handicap or disadvantage. Alternatively, they may elect a study devoted to the administration and/or evaluation of an agency program, or investigate a current rehabilitation issue.

BACH 5024 In-Service and Continuing Education in Health Services

Old code 2551D/2551DX. 6 credit points

Liz Devonshire

Offered: July. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (non exam) assignment based.

This elective aims to provide opportunities for participants to explore the main challenges facing educators delivering inservice and continuing education in the 1990s. The effect of, for example, the training reform agenda, competency-based education, workplace standards, organisational constraints, and flexible delivery modes on the planning, implementation and evaluation of inservice and continuing education are explored.

Distance education and on campus mode with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5253 Intermediate Statistics

Old code 2557V. 6 credit points

Rob Heard, (02) 9351 9583, and Zakia Hossain (02) 9351 9340

Offered: February, July. **Prerequisite:** Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. **Classes:** Night classes.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 5196 International Health: Sociological Analysis

Old code 2556A/2556AX. 6 credit points

Zakia Hossain, (02) 9351 9340, and Ann Hale, (02) 9351 9578

Offered: July. **Classes:** Independent learning package; external/distance mode.

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and life expectancy; and analyses the current health issues and health priorities in developed and developing countries.

BACH 5208 Introduction to Computers & the Internet

Old code 2556M. 6 credit points

Zakia Hossain, (02) 9351 9340, and Peter Choo, (02) 9351 9583

Offered: July. **Classes:** Contract learning.

This unit introduces the student to the use of computers for research, educational, and professional purposes. Important computer concepts will be covered, however the emphasis will be on developing practical computer skills. Skills covered will include the rudiments of computer programming; the use of popular applications such as word processors, spreadsheets and databases; and the use of the Internet as a research and communications tool.

BACH 5020 Introduction to Educational Computing

Old code 25519. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: July. **Classes:** Attendance required; night classes.

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, including selecting appropriate courseware and developing a small Computer-Assisted Learning package. (Some basic computer skills would be an advantage). Class size will be limited by the number of computers available.

BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points

Dr Cherry Russell, (02) 9351 9129

Offered: February. **Classes:** Independent learning package; external distance mode.

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. Topics include demographic ageing, social and professional attitudes and values, retirement, public policy, ageing and health, aged care. The unit may be completed entirely by distance mode.

BACH 5037 Introduction to Health Education

Old code 2551Q. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: July. **Classes:** Independent learning packages.**Assessment:** (Non exam) assignment based.

International perspectives, theories and models for health education are explored. Ways these translate into local strategies for intervention are examined.

Independent learning packages and email support.

BACH 5039 Large Group Teaching

Old code 2551S. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: February. **Classes:** Independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.

Distance education and on campus mode with independent learning packages and email support.

BACH 5213 Law and the Health Services

Old code 2556R. 6 credit points

Judith Mair, (02)9351 9126

Offered: February, July.

This unit aims to equip providers of health services with knowledge of the legal framework for the delivery of health services in Australia together with law relevant to the client base. The unit will cover legal issues involving children, childbirth, older people, the mentally ill, those addicted to drugs or alcohol, and people with intellectual and physical disabilities. The unit will also cover law protecting safety and compensation for accidents in the home, at work and transport related. This unit is available on campus and regular group discussions will be held on a fortnightly basis.

BACH 5118 Learning in Groups

Old code 25540/25540X. 6 credit points

Offered: February. **Classes:** Attendance required. **Assessment:** (Non exam) assignment based.

Effectively functioning in any organisational setting is greatly enhanced by a knowledge of group dynamics. Any group interaction for the purpose of learning is more productive if likewise informed. Using the focus of the group and a series of task requirements participants gain both theoretical knowledge about the way in which group dynamics underpin small group learning and skills in facilitating the process, both as members and leaders of learning groups. Some knowledge of adult learning theory is an advantage (readings are suggested).

Distance education and on campus mode (campus mode meets weekly) with independent learning packages and email support.

BACH 5284 Learning in the Workplace

Old code 2558Q. 6 credit points
Liz Devonshire, (02) 9351 9760

Offered: July. **Classes:** Contract learning. **Assessment:** (Non exam) assignment based.

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace.

Distance education and on campus mode (night classes) with independent learning packages and email support.

REHB 5012 Medical Aspects of Disability

Old code 2553K. 3 credit points

Offered: February.

This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability, as well as giving them the opportunity to acquire specialised expertise in particular areas.

BACH 5027 Mental Health in Later Life

Old code 2551G. 6 credit points

C. Russell, (02) 9351 9129

Offered: February, July. **Classes:** Independent learning package; external/distance mode.

The unit aims to provide abroad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

BACH 5212 Multicultural Issues in Gerontology

Old code 2556Q. 6 credit points

Zakia Hossain, (02) 9351 9340

Offered: July. **Classes:** Independent learning package.

This unit examines what it means to be old in a country whose language, expectations for aged behaviour and types of support available, differ from those of their country of origin. The impact of immigration policy and services provision will be analysed.

BACH 5256 Multivariate Statistics

Old code 2557Y. 6 credit points

Dr Peter Choo, (02) 9351 9583

Offered: February. **Prerequisite:** Intermediate Statistics (10503), or equivalent. **Classes:** Contract learning.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 5164 Occupational Health

Old code 2555D. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Contract learning.

This subject teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers' compensation, rehabilitation and re-training. Students will be required to develop a prevention program or provide a case study of an injured worker in order to operationalise the student to gain access to a workplace and develop a prevention program proposal based on identification of risks and provision of strategies for their control.

BACH 5291 Occupational Rehabilitation

Old code 2558X/2558XX. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351 9531

Offered: July.

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stake-

holders in the management of workers in the post-injury phase. Students will be encouraged to explore *the* issues from a policy, an organisational/structural, and interpersonal and an individual perspective.

BACH 5224 Organisational Management

Old code 2557Z. 6 credit points

Barbard Adamson, (02) 9351 9579, and Rosemary Cant, (02) 9351 9560

Offered: July.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively.

BACH 5290 Organisational Psychology

Old code 2558W/2558WX. 6 credit points

Barbara Adamson, (02) 9351 9579

Offered: February. **Classes:** Contract learning; external/distance mode.

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

BACH 5226 Organisational Structures in Health Contexts

Old code 25574. 6 credit points

Rosemary Cant, (02) 9351 9560

Offered: July. **Classes:** Contract learning.

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

BACH 5025 Patient Education

Old code 2551 E/2551 EX. 6 credit points

Fran Everingham, (02) 9351 9116.

Offered: February. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

Distance education and on campus mode (night classes) with independent learning packages and email support.

BACH 5028 Planning and Evaluation

Old code 2551H. 6 credit points

Ian Hughes, (02) 9351 9582

Offered: February.

The aim of this unit is to examine the process of planning, evaluating and improving programs and projects. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction.

BACH 5165 Post Trauma Stress

Old code 2555E. 6 credit points

Gomathi Sitharthan, (02) 9351 9584

Offered: February, July. **Classes:** Contract learning.

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on campus directed independent study unit.

BACH 5309 Psychological Assessment of Children and Adolescents

Old code 2559F. 6 credit points
Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: February, July.

The assessment of children and adolescents requires an understanding of the course and impact that developmental factors play in cognition, personality and behaviour. It requires a capacity to utilise questionnaire as well as text-based assessment schedules. This course expects students to be aware of assessment issues such as psychometric values of testing (reliability and validity), the nature of various tests, and a capacity to interview (children, adolescents, and families).

BACH 5321 Psychology for Graduate Students

Old code 2559RX. 6 credit points
Chris Lennings, (02) 9351 9587
Offered: February, July. **Classes:** External/distance mode.

This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour - how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contract.

BACH 5147 Psychology of Ageing

Old code 2554U. 6 credit points
Steve Cumming, (02) 9351 9404, and Lynn Harris, (02) 9351 9162
Offered: February, July. **Classes:** Contract learning.

This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted. This is an on campus directed independent study unit.

BACH 5324 Psychotherapy

Old code 2559V. 6 credit points
Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: July. **Corequisite:** Counselling. **Classes:** Contract learning.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy, and teaches students how to develop a therapy plan and integrate assessment and practice with their clients. The Unit is delivered as a series of six seminars. Assessment requires the students to develop a case plan.

BACH 5255 Qualitative Research Methods

Old code 2557XX. 6 credit points
Cherry Russell, (02) 9351 9129
Offered: February, July. **Classes:** Attendance required.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively

participate, and students work on a research project in small groups. This unit is usually offered on Wednesdays 4–7 pm.

BACH 6042 Qualitative Research Methods

Old code 25641. 8 credit points
Cherry Russell, (02) 9351 9129

Offered: February, July. **Classes:** attendance required.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project in small groups. This unit is usually offered on Wednesdays 4-7 pm.

REHB 5002 Rehabilitation A

Old code 25508. 4 credit points

Offered: February.

Rehabilitation Theory and Practice; Case and Caseload Management.

REHB 5003 Rehabilitation B

Old code 25509. 4 credit points

Offered: July.

Psychosocial Aspects of Disability; Legal Aspects of Rehabilitation.

BACH 6037 Research Thesis

Old code 25636. **Offered:** February, July.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

BACH 6038 Research Thesis

Old code 25637.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

BACH 6039 Research Thesis

Old code 25638.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

BACH 6040 Research Thesis

Old code 25639.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of

behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

BACH 6041 Research Thesis

Old code 25640.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

REHB6007 Research Thesis

Old code 25606.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the students research thesis.

REHB6008 Research Thesis

Old code 25607.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the students research thesis.

BACH 6002 Research Thesis

Old code 25601.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

BACH 6003 Research Thesis

Old code 25602.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

BACH 6019 Research Thesis

Old code 25618.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular contact is maintained with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

BACH 6020 Research Thesis

Old code 25619.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular contact is maintained with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

BACH 5058 Residential Care Policies and Services

Old code 2552B. 6 credit points

Offered: February, July.

This unit provides an overview of the development and implementation of residential care policies for older Australians and

explores specific issues in the delivery of residential aged care services.

REHB5011 Residential School

Old code 2553D. 4 credit points

Attendance at residential Schools is compulsory. The School is held for a week, mid-year, in even-numbered years.

BACH 5305 Risk Management and Rehabilitation Policy

Old code 2559B/2559BX. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351 9531

Offered: February. **Classes:** Contract learning; external/distance mode.

Students will be taught the basic principles for continuous improvement in health related service delivery. They will produce a risk management plan related to health promotion or consumer protection, or will undertake a critical evaluation of the effectiveness of an individual's occupational rehabilitation. Particular attention will be drawn to the Australian and New Zealand Standards on Risk Management (AS / NZS 4630:1999).

BACH 5174 Social Theory and Special Groups

Old code 2555N. 6 credit points

Rosemary Cant, (02) 9351 9560, and K O'Loughlin, (02) 9351 9531

Offered: February, July.

This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

BACH 5322 Sociology for Health Professionals

Old code 2559S/2559SX. 6 credit points

Dennis McIntyre, (02) 9351 9567, and Ian Hughes, (02) 9351 9582

Offered: July. **Classes:** Contract learning; external/distance mode.

The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues. It will provide opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 5026 Special Investigation

Old code 08469. 6 credit points

Cherry Russell, (02) 9351 9129

Offered: July.

This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

BACH 5061 Statistical Analysis with SPSS

Old code 2552E. 6 credit points

K Pepper, (02) 9351 9589, and Peter Choo, (02) 9351 9583.

Classes: Contract learning.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis. Teaching is by learning contract mode including a small number of on-campus classes. Practical assignments are set for assessment.

BACH 5180 Stress and Illness

Old code 2555T. 6 credit points

Gomathi Sitharthan, (02) 9351 9584

Offered: February, July. **Classes:** Contract learning.

The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on campus directed independent study unit.

BACH 5011 Survey Research Methods

Old code 25510. 6 credit points

Kate O'Loughlin (02) 9351 9531, and Peter Choo, (02) 9351 9583

Offered: July. Classes: Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5-8pm.

BACH 5042 Teaching Clinical Reasoning

Old code 2551V/2551VX. 6 credit points

Victoria Neville, (02) 9351 9118.

Offered: July. Classes: Night classes; independent learning package.

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

Distance education and on campus mode (night classes) with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5047 Teaching with Reduced Resources

Old code 25520. 6 credit points

Fran Everingham, (02) 9351 9116.

Offered: July. Classes: Independent learning package.

This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education. Independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5127 Teaching with Technology

Old code 25549/25549X. 6 credit points

Victoria Neville, (02) 9351 9118.

Offered: February. **Corequisite:** Instructional Design and Teaching Skills (08505). **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Learning materials play an essential role in motivating and enhancing understanding. Access to new technologies for teaching is increasing. You consider setting specific issues in the development of teaching materials and practice some techniques for using these.

Distance education and on campus mode (night classes) with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5038 The Community Setting and Older People

Old code 2551R. 6 credit points

Cherry Russell, (02) 9351 9129.

Offered: February, July. **Classes:** Independent learning package; external/distance mode.

This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

BACH 5034 The Residential Care Setting and Older People

Old code 2551N. 6 credit points

Cherry Russe;ll, (02) 9351 9129

Offered: February, July. **Classes:** Independent learning package; external/distance mode.

This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff.

BACH 5063 Therapy with Children, Adolescents and their Families

Old code 2557F. 6 credit points

Offered: Full Year (starts Feb). **Classes:** Contract learning.

Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

REHB 5006 Vocational Rehabilitation A

Old code 25521. 4 credit points

Offered: February.

The psychosocial foundations of work are studied. Students also look at the vocational development process, the effect disability has on this process and the way in which counsellors and other rehabilitation professions go about assessing the degree of handicap and the vocational/avocational options available. The vocational counselling process is also explored in detail including hands-on experience.

REHB 5007 Vocational Rehabilitation B

Old code 25522. 4 credit points

Offered: July.

This module looks in detail at the placement and resettlement aspects of rehabilitation and the methods/techniques used to work with clients and employers to secure a return to the workforce.

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 Alexandria 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. The programs are 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, Hornsby-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 Graduate Programs Coordinator in the School of Communication Sciences and Disorders, (02) 9351 9450 or email csd.gradprograms@cchs.usyd.edu.au or from the School's web page at www.cchs.usyd.edu.au/Academic/CD.

Master of Health Science (Speech-Language Pathology) coursework by distance

This master's course is a 1-year full-time (or 2-year part-time) course in Speech-Language Pathology. The course, which is open to qualified speech pathologists, is offered by distance, with only a weekend, on-campus workshop required at the beginning of the course. The course is ideal for speech pathologists who want to extend the depth of their knowledge in particular areas of the speech-language pathology field and gain a higher degree in which all the units (subjects) studied are directly relevant to speech-language pathology. By utilising modern electronic information systems via computers with internet connection, students study at times and locations that are convenient to them, while at the same time having the advantage of studying with and being mentored individually by academic staff who are internationally recognised expert academics and specialists in their field. This is a fee-paying course; some equity places (HECS-based) may occasionally be available. Because students will be expected to use electronic information systems, students should plan on being able to access and use (but not necessarily own) a computer with internet connection.

The course is structured so that students undertake four units that focus on the current state of the discipline ('breaking science') for specific topics relevant to four common areas of speech-language pathology. These units are entitled 'Emerging Trends in Speech-Language Pathology,' one for each the four

areas: Child Language and Phonology; Neurogenic Impairment; Voice; Stuttering. Students then select one of two streams to pursue. Students who opt for the Generalist Stream undertake two extension units, entitled Major Literature Review in Speech-Language Pathology,' that extend topics examined in two of the Emerging Trends units. For students who wish to gain a credential indicating a specialisation in a particular area within the field, the Specialist Stream is selected. Students in the Specialist Stream undertake one Major Literature Review in Speech-Language Pathology unit that follows on from a topic in one of the Emerging Trends in Speech-Language Pathology unit plus one specialist unit, entitled 'Specialist Literature Review in Speech-Language Pathology.' The topic of *the* Specialist Literature articulates with the topic of both the Emerging Trends and Major Literature Review units. The final academic transcript of students who complete the Specialist Stream will indicate the particular area of speech-language pathology in which the specialisation was pursued.

Admission requirements

In order to qualify for admission, applicants shall possess:

- i) A bachelor degree in speech pathology from The University of Sydney or a degree from another Australian or overseas tertiary institution deemed to be equivalent to this University's degree, and
- ii) General and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to undertake the course, and
- iii) Evidence of at least the equivalent of half-time professional employment/professional practice as a speech-language pathologist during the most recent five years prior to applying for admission.

Because students will be expected to use electronic information systems, access to (but not necessarily ownership of) a computer with internet connection is a highly desirable criterion for admission.

Course outline

The course outlines for the Master of Health Science (Speech-Language Pathology) (coursework by distance) are presented in Table 8.1.

Table 8.1: Master of Health Science (Speech-Language Pathology) coursework by distance

Course code	Mode of offer
1223	(Generalist or Specialist stream) by distance, Full-time, 1 year
1224	(Generalist or Specialist stream) by distance, Part-time, 2 years
Credit points: 48	

Unit code	(old code)	Unit name	Sem 1	Sem 2
Generalist stream full-time mode				
<i>Year 1 (to be first offered in 2000)</i>				
CSCD5002	(12509)	Emerging Trends: Child Language and Phonology	6	
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6	
CSCD5004	(12511)	Emerging Trends: Voice	6	
CSCD5005	(12512)	Emerging Trends: Stuttering	6	
Enrol in two of the following units:				
CSCD5006	(12513)	Major Literature Review: Child Language and Phonology		12
CSCD5007	(12514)	Major Literature Review: Neurogenic Impairment		12
CSCD5008	(12515)	Major Literature Review: Voice		12
CSCD5009	(12516)	Major Literature Review: Stuttering		12
Stage total (48 credit points for Year 1)			24	24

Generalist stream part-time mode

Year 1 (to be first offered in 2000)

Enrol in two of the following:

CSCD5002	(12509)	Emerging Trends: Child Language and Phonology	
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6
CSCD5004	(12511)	Emerging Trends: Voice	6
CSCD5005	(12512)	Emerging Trends: Stuttering	

Unit code	(old code)	Unit name	Sem 1	Sem 2
Enrol in one of the following units:				
CSCD5006	(12513)	Major Literature Review: Child Language and Phonology		
CSCD5007	(12514)	Major Literature Review: Neurogenic Impairment		12
CSCD5008	(12515)	Major Literature Review: Voice		
CSCD5009	(12516)	Major Literature Review: Stuttering		
Stage total (24 credit points for Year 1)			12	12
Year 2 (to be first offered in 2001)				
Enrol in two of the following units that have not been previously been completed:				
CSCD5002	(12509)	Emerging Trends: Child Language and Phonology	6	
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6	
CSCD5004	(12511)	Emerging Trends: Voice		
CSCD5005	(12512)	Emerging Trends: Stuttering		
Enrol in one of the following that has not previously been completed:				
CSCD5006	(12513)	Major Literature Review: Child Language and Phonology		
CSCD5007	(12514)	Major Literature Review: Neurogenic Impairment		12
CSCD5008	(12515)	Major Literature Review: Voice		
CSCD5009	(12516)	Major Literature Review: Stuttering		
Stage total (24 credit points for Year 2)			12	12
Specialist stream full-time mode				
Year 1 (to be first offered in 2000)				
CSCD5002	(12509)	Emerging Trends: Child Language and Phonology	6	
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6	
CSCD5004	(12511)	Emerging Trends: Voice	6	
CSCD5005	(12512)	Emerging Trends: Stuttering	6	
Enrol in one of the following units:				
CSCD5006	(12513)	Major Literature Review: Child Language and Phonology		
CSCD5007	(12514)	Major Literature Review: Neurogenic Impairment		12
CSCD5008	(12515)	Major Literature Review: Voice		
CSCD5009	(12516)	Major Literature Review: Stuttering		
Enrol in one of the following units on the same topic as the unit of the Major Literature Review enrolled in above:				
CSCD5010	(12517)	Specialist Literature Review: Child Language and Phonology		
CSCD5011	(12518)	Specialist Literature Review: Neurogenic Impairment		12
CSCD5013	(12519)	Specialist Literature Review: Voice		
CSCD5014	(12520)	Specialist Literature Review: Stuttering		
Stage total (48 credit points for Year 1)			24	24
Specialist stream part-time mode				
Year 1 (to be first offered 2000)				
Enrol in two of the following:				
CSCD5002	(12509)	Emerging Trends: Child Language and Phonology		
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6	
CSCD5004	(12511)	Emerging Trends: Voice	6	
CSCD5005	(12512)	Emerging Trends: Stuttering		
Enrol in one of the following that is on the same topic as one of the units completed in Semester 1:				
CSCD5006	(12513)	Major Literature Review: Child Language and Phonology		
CSCD5007	(12514)	Major Literature Review: Neurogenic Impairment		12
CSCD5008	(12515)	Major Literature Review: Voice		
CSCD5009	(12516)	Major Literature Review: Stuttering		
Stage total (24 credit points for Year 1)			12	12
Year 2 (to be first offered in 2001)				
Enrol in two of the following that have not previously been completed:				
CSCD5002	(12509)	Emerging Trends: Child Language and Phonology	6	
CSCD5003	(12510)	Emerging Trends: Neurogenic Impairment	6	
CSCD5004	(12511)	Emerging Trends: Voice		
CSCD5005	(12512)	Emerging Trends: Stuttering		
Enrol in one of the following units on the same topic as the unit of the Major Literature Review enrolled in above:				
CSCD5010	(12517)	Specialist Literature Review: Child Language and Phonology		
CSCD5011	(12518)	Specialist Literature Review: Neurogenic Impairment		12
CSCD5013	(12519)	Specialist Literature Review: Voice		
CSCD5014	(12520)	Specialist Literature Review: Stuttering		
Stage total (24 credit points for Year 2)			12	12

Master of Applied Science (Communication Sciences and Disorders) by research

The Master of Applied Science course in Communication Sciences and Disorders is a research program designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics or researchers in the field of communication sciences and disorders. Completion of the course requires submission of an acceptable thesis.

Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

- i) A bachelor's degree in an area of relevance such as speech pathology, psychology, linguistics, education, computer

studies, audiology, from an Australian tertiary institution; or

- ii) A bachelor's degree in an area of relevance from an overseas institution equivalent to an Australian bachelor degree; or
- iii) Evidence of general and academic qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Course outline

The course outlines for Master of Applied Science (Communication Sciences and Disorders) by Research are presented in Table 8.2.

Table 8.2: Master of Applied Science (Communication Sciences and Disorders) by Research

Course code	Mode of offer			
1213	Full-time; minimum 2 years			
1214	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
CSCD6014	(12507A)	Research Thesis	-	-
CSCD6015	(12507B)	Research Thesis	-	-
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
CSCD6014	(12507A)	Research Thesis	-	-
CSCD6015	(12507B)	Research Thesis	-	-

Master of Communication Disorders by research

The Master of Communication Disorders is a research program designed for qualified speech pathologists who wish to develop specialisation in a particular clinical area. The course may be taken on a full-time or part-time basis. Completion of the course requires submission of an acceptable thesis on a clinically relevant topic.

Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

- i) A bachelor's degree in speech pathology from an Australian tertiary institution; or
A bachelor's degree from an overseas institution equivalent to an Australian bachelor's degree in speech pathology; and
- ii) A minimum of twelve months professionally relevant post-graduation experience

Course outline

The course outlines for Master of Communication Sciences and Disorders (by Research) are presented in Table 8.3.

Table 8.3: Master of Communication Disorders (by Research)

Course code	Mode of offer			
1215	Full-time; minimum 2 years			
1216	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
CSCD6019	(12508A)	Clinical Research Thesis		
CSCD6020	(12508B)	Clinical Research Thesis	-	-
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
CSCD6019	(12508A)	Clinical Research Thesis		
CSCD6020	(12508B)	Clinical Research Thesis	-	-

Units of study

CSCD 5002 Emerging Trends in Speech Language Pathology: Child Language and Phonology

Old code 12509. 6 credit points

Offered: February.

This unit provides an overview of current trends in the area of child language and phonology that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5003 Emerging Trends in Speech-Language Pathology: Neurogenic Impairment

Old code 12510. 6 credit points

Offered: February.

This unit provides an overview of current trends in the area of Neurogenic Impairment that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5005 Emerging Trends in Speech-Language Pathology: Stuttering

Old code 12512. 6 credit points

Offered: February.

This unit provides an overview of current trends in the area of Stuttering that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5004 Emerging Trends in Speech-Language Pathology: Voice

Old code 12511. 6 credit points

Offered: February.

This unit provides an overview of current trends in the area of Voice that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5006 Major Literature Review in Speech-Language Pathology: Child Language and Phonology

Old code 12513.12 credit points

Offered: July. **Prerequisite:** CSCD 5002 (12509) Emerging Trends in Speech-Language Pathology: Child Language and Phonology and an approved Plan of Study.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Child Language and Phonology unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5007 Major Literature Review in Speech-Language Pathology: Neurogenic Impairment

Old code 12514.12 credit points

Offered: July. **Prerequisite:** CSCD 5003 (12510) Emerging Trends in Speech-Language Pathology: Neurogenic Impairment and an approved Plan of Study.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Neurogenic Impairment unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5009 Major Literature Review in Speech-Language Pathology: Stuttering

Old code 12516.12 credit points

Offered: July. **Prerequisite:** CSCD 5005 (12512) Emerging Trends in Speech-Language Pathology: Stuttering and an approved Plan of Study.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Stuttering unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5008 Major Literature Review in Speech-Language Pathology: Voice

Old code 12515.12 credit points

Offered: July. **Prerequisite:** CSCD 5004 (12511) Emerging Trends in Speech-Language Pathology: Voice and an approved Plan of Study.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Voice unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5010 Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology

Old code 12517.12 credit points

Offered: July. **Prerequisite:** (or Corequisite) CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology.

The unit, Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology, extends or augments the specific topic examined in the articulated unit, CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology. Students prepare an indepth paper reflecting the major issues.

CSCD 5011 Specialist Review in Speech-Language Pathology: Neurogenic Impairment

Old code 12518.12 credit points

Offered: July. **Prerequisite:** (or Corequisite) CSCD 5007 (12514) Major Literature Review in Speech-Language Pathology: Neurogenic Impairment.

The unit, Specialist Literature Review in Speech-Language Pathology: Neurogenic Impairment, extends or augments the specific topic examined in the articulated unit, CSCD 5007 (12514) Major Literature Review in Speech-Language Pathology: Neurogenic Impairment. Students prepare an indepth paper reflecting the major issues.

CSCD 5014 Specialist Literature Review in Speech-Language Pathology: Stuttering

Old code 12520.12 credit points

Offered: July. **Prerequisite:** (or Corequisite) CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. The unit, Specialist Literature Review in Speech-Language Pathology: Stuttering, extends or augments the specific topic examined in the articulated unit, CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. Students prepare an indepth paper reflecting the major issues.

CSCD 5013 Specialist Literature Review in Speech-Language Pathology: Voice

Old code 12519.12 credit points

Offered: July. **Prerequisite:** (or Corequisite) CSCD 5008 (12515) Major Literature Review in Speech-Language Pathology: Voice.

The unit, Specialist Literature Review in Speech-Language Pathology: Voice, extends or augments the specific topic examined in the articulated unit, CSCD 5008 (12515) Major Literature Review in Speech-Language Pathology: Voice. Students prepare an indepth paper reflecting the major issues.

CSCD 6014 Research Thesis

Old code 12507A.

Supervisors will be appointed to assist the student in the conduct of the research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). Facilities and equipment necessary to conduct the thesis project will be arranged with the School, subject to approval of the project design and equipment necessary to conduct the project.

CSCD 6015 Research Thesis

Old code 12507B.

Supervisors will be appointed to assist the student in the conduct of the research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). Facilities and equipment necessary to conduct the thesis project will be arranged with the School,

subject to approval of the project design and equipment necessary to conduct the project.

CSCD 6019 Clinical Research Thesis

Old code 12508A.

Supervisors will be appointed to assist the student in the conduct of a clinically relevant research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). To assist the student in developing an acceptable clinical research project, the student will participate in supporting activities with the supervisor(s) involving mentored clinical experience in the student's chosen specialist area and clinical speciality knowledge dissemination. Clinical facilities and equipment necessary to conduct the research will be arranged with the School, subject to approval of the project design.

CSCD 6020 Clinical Research Thesis

Old code 12508B.

Supervisors will be appointed to assist the student in the conduct of a clinically relevant research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). To assist the student in developing an acceptable clinical research project, the student will participate in supporting activities with the supervisor(s) involving mentored clinical experience in the student's chosen specialist area and clinical speciality knowledge dissemination. Clinical facilities and equipment necessary to conduct the research will be arranged with the School, subject to approval of the project design.

School of Exercise and Sport Science

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 Certificate of Health Science (Exercise and Sport Science), (subject to final approval), Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by coursework, Master of Health Science (Exercise and Sport Science)(Honours), 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, (02) 9351 9355 or from the School of Exercise and Sport Science, (02) 9351 9612.

Graduate Certificate of Health Science (Exercise and Sport Science)

The coursework for the Graduate Certificate in Health Science (Exercise and Sport Science) is designed to provide an introduction to graduate studies in exercise and sport science and to provide a grounding in basic exercise and sport sciences for people involved in sport coaching, who work in the fitness industry, or who advise sports people in their professional practice. The work will be presented with the assumption that the student has a background knowledge of anatomy or physiology or is prepared to acquire this prior to commencing the course.

Admission

- i) To qualify for admission, applicants shall possess an Australian/overseas equivalent undergraduate degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields. A background in anatomy or biomechanics and physiology is essential.
- ii) An undergraduate degree and additional qualification or experience as deemed appropriate by the Head of School.

Full time students (first 24 credit points)

Students who achieve an average credit grade in the Graduate Certificate may articulate to the Masters degree and complete the Masters degree with additional 24 credit points full time study in semester 2.

Course outline

The course outline for the Graduate Certificate of Health Science (Exercise and Sport Science) is presented in Table 9.1.

Table 9.1: Graduate Certificate of Health Science (Exercise and Sport Science)

Will not commence until Semester 1, 2001.

Course code	Mode of offer
2213	Full-time: 1 semester minimum
2214	Part-time: 2 semesters minimum
Credit points: 24	

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
	22E12A	Select a total of 12 credit points of electives:		
		Elective	6	-
		Elective	6	-
Stage total (24 credit points)			24	-
Part-time mode				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
	22E12B	Select a total of 12 credit points of electives:		
		Elective	-	6
		Elective	-	6
Stage total (24 credit points)			12	12

Unit code	(old code)	Unit name	Sem 1	Sem 2
Electives				
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5035	(22535)	Applied Biomechanics	-	6
EXSS5036	(22536)	Exercise and Rehabilitation	-	6
BACH5236	(2557E)	Motor Learning	-	3
BACH5238	(2557G)	Psychosocial Aspects of Sport	-	3
BACH5240	(2557I)	Research Methods	-	3
BIOS5046	(11513)	Functional Anatomy	-	6

Graduate Diploma of Health Science (Exercise and Sport Science)

This course is designed to provide an opportunity for advanced study in exercise and sport science with a focus on the areas of applied physiology, human mechanics and motor learning. It is anticipated that this study will be an extension of the student's prior training and professional role. The course will be presented with the assumption that the student has a background knowledge of anatomy or biomechanics and physiology or is prepared to acquire it, prior to commencing the course.

Admission requirements

To qualify for admission, applicants shall possess an Australian/or overseas equivalent undergraduate degree (Pass or Honours) in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields. A background in anatomy or biomechanics and physiology is essential.

Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

Qualifying statement

Notwithstanding the above requirements for admission, the Faculty may require the applicants to demonstrate, by examination or appropriate work that they are suitable candidates, before being admitted to the program.

Course outline

The course outline for the Graduate Diploma of Health Science (Exercise and Sport Science) is presented in Table 9.2.

Table 9.2: Graduate Diploma of Health Science (Exercise and Sport Science)

Course code Mode of offer
 2216 Part-time; 1 year minimum
 Credit points: 36

Unit code	(old code)	Unit name	Sem 1	Sem 2
Part-time mode				
<i>Year 1</i>				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
(22E12A)	22E12B	Select a total of 24 CPs from the following electives:		
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5035	(22535)	Applied Biomechanics	-	6
EXSS5036	(22536)	Exercise and Rehabilitation	-	6
BACH5236	(2557E)	Motor Learning	-	3
BACH5238	(2557G)	Psychosocial Aspects of Sport	-	3
BACH5240	(2557I)	Research Methods	-	3
BIOS5046	(11513)	Functional Anatomy	-	6

Notes to Table 9.2

Students completing the Graduate Diploma of Health Science (Exercise and Sport Science) (36 CPs) with a Credit grade average, may apply to articulate to the Master of Health Science (Exercise and Sport Science).

Master of Health Science (Exercise and Sport Science) by Coursework

This course aims to provide advanced study in the broad discipline of exercise and sport science. It is designed to equip graduates with an in depth understanding of applied physiology, applied biomechanics, and the effect of health disorders on exercise performance, together with the knowledge and skills to conduct exercise testing of symptomatic and asymptomatic population groups and prescribe appropriate exercise programs. Sport specific studies related to nutrition and physiology are also undertaken.

Admission requirements

The programs Graduate Diploma, Masters and Masters Honours, constitute an articulated sequence. All candidates are

required to initially enrol in the Graduate Diploma. Applied Physiology and Human Mechanics (6 credit points each) are compulsory. Subsequent articulation to the Masters program is contingent on the student achieving a Credit grade average in the first 24 credit points of study undertaken. Articulation into the Master's Honours program is contingent upon the student achieving an overall Credit grade average - ie, 48 credit points.

Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

Course outline

The course outline for the Master of Health Science (Exercise and Sport Science) by Coursework is presented in Table 9.3.

Table 9.3: Master of Health Science (Exercise and Sport Science) by Coursework

Course code	Mode of offer			
2217	Full-time; 1 year			
2218	Part-time; 2 years			
Credit points: 48				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5035	(22535)	Applied Biomechanics	-	6
EXSS5036	(22536)	Exercise & Rehabilitation	-	6
BACH5240	(25571)	Research Methods	-	3
Stage total (48 credit points for Year 1)			24	24
Part-time mode				
<i>Year 1</i>				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5035	(22535)	Applied Biomechanics	-	6
Stage total (22 credit points for Year 1)			12	10
<i>Year 2</i>				
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5036	(22536)	Exercise & Rehabilitation	-	6
BACH5240	(22571)	Research Methods	-	3
Stage total (26 credit points for Year 2)			12	14

Master of Health Science (Exercise and Sport Science) Honours

This course aims to provide advanced study in the board discipline of exercise and sport science. It is designed to equip graduates with an in depth understanding of applied physiology, applied biomechanics, the effects of health disorders on exercise performance, together with the knowledge and skills to conduct exercise testing of symptomatic and asymptomatic population groups and prescribe appropriate exercise programs. Sport specific studies related to nutrition and physiology are also undertaken. Graduates will be introduced to applied research in these topics through the preparation of a research dissertation.

Admission requirements

The programs, Graduate Diploma, Masters and Masters Honours, constitute an articulated sequence. All candidates are

required to initially enrol in the Graduate Diploma. Applied Physiology and Human Mechanics (6 credit points each) are compulsory for the Graduate Diploma. Subsequent articulation to the Masters program is contingent on the student achieving a Credit grade average in the first 24 credit points of study undertaken. Articulation into the Masters Honours program is contingent upon the student achieving an overall Credit grade average.

Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

Course outline

The course outline for the Master of Health Science (Exercise and Sport Science)(Honours) is presented in Table 9.4.

Table 9.4: Master of Health Science (Exercise and Sport Science) Honours

Course code	Mode of offer			
2219	Full-time; 11/2 years			
2220	Part-time; 21/2 years			
Credit points: 60				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5035	(22535)	Applied Biomechanics	-	6
EXSS5036	(22536)	Exercise & Rehabilitation	-	6
BACH5240	(2557R)	Research Methods	-	3
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
EXSS5037	(22537)	Research Dissertation	12	-
Stage total (12 credit points for Year 2)			12	-
Part-time mode				
<i>Year 1</i>				
EXSS5029	(22529)	Applied Physiology	6	-
EXSS5030	(22530)	Human Mechanics	6	-
EXSS5033	(22533)	Advanced Cardiorespiratory Physiology	-	4
EXSS5035	(22535)	Applied Biomechanics	-	6
Stage total (22 credit points for Year 1)			12	10
<i>Year 2</i>				
EXSS5031	(22531)	Exercise Testing & Prescription	8	-
EXSS5032	(22532)	Sports Nutrition	4	-
EXSS5034	(22534)	Advanced Musculoskeletal Physiology	-	5
EXSS5036	(22536)	Exercise & Rehabilitation	-	6
BACH5240	(22571)	Research Methods	-	3
Stage total (26 credit points for Year 2)			12	14
<i>Year 3</i>				
EXSS5037	(22537)	Research Dissertation	12	-
Stage total (12 credit points for Year 3)			12	-

Master of Applied Science (Exercise and Sport Science) by Research

The Master of Applied Science (Exercise and Sport Science) by Research provides the opportunity for research into specific areas of exercise and sport sciences. This research degree comprises a minimal coursework component, designed specifically to facilitate the student's research progress.

Admission requirements

A. Pass Entry Level

To qualify for admission to the Master of Applied Science (Exercise and Sport Science) by Research program, applicants shall possess an undergraduate degree in science, medicine, physiotherapy, occupational therapy, nursing, human movement sciences, physical education or other related fields. A background in anatomy and biomechanics or physiology is essential. Students may be directed to undertake a qualifying program based on coursework offered in the Master of Applied Science (Exercise and Sport Science) by coursework program.

B. Honours Entry Level

Applicants who have completed an approved Bachelors degree at Honours level in science, medicine, physiotherapy, occupational therapy, nursing, human movement sciences, physical education or other related fields may be admitted into the Master of Applied Science (Exercise and Sport Science). These students will usually be admitted into the second year of the full-time research to be taken at the postgraduate level.

C. Graduate Diploma in Applied Science (Exercise and Sport Science)

Applicants who have completed a Graduate Diploma in Applied Science (Exercise and Sport Science) may be permitted entry into the second year of the Master of Applied Science (Exercise and Sport Science) by Research program.

D. Master of Applied Science (Exercise and Sport Science) by coursework

Students having successfully completed the Master of Applied Science (Exercise and Sport Science) by Coursework degree may be permitted entry into the Master of Applied Science (Exercise and Sport Science) by Research degree.

E. Special Circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty. Advanced Standing may be granted for the coursework component of the Master of Applied Sport Science (Exercise and Sport Science) by Research degree, by the Faculty.

F. Qualifying Statement

Notwithstanding the above requirements for admission, the Faculty may require the applicants to demonstrate by examination or appropriate work that they are suitable candidates before being admitted to the program.

Course outline

The course outline for the Master of Applied Science (Exercise and Sport Science) by research is presented in Table 9.5.

Table 9.5: Master of Applied Science (Exercise and Sport Science) by Research

The table below refers to the standard program for pass entry students. This program may alter depending on the entry level of the student (see Note).

Course code	Mode of offer
2211	Special Qualifying Program (for Masters qualifying students)
2203	Full-time; minimum 2 years
2204	Part-time; minimum 3 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
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Full-time mode

Year 1 (and subsequent years)

EXSS6002	(22501A)	Research Thesis
EXSS6003	(22501B)	Research Thesis

Part-time mode

Year 1 (and subsequent years)

EXSS6002	(22501A)	Research Thesis
EXSS6003	(22501B)	Research Thesis

Notes to Table 9.5

Students may enter the program directly into year 2 if proceeding from an Honours degree, Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by coursework, or a course of an equivalent standard, as deemed by the Faculty.

Units of study

EXSS 5033 Advanced Cardiorespiratory Physiology

Old code 22533. 4 credit points

Dr Chin Moi Chow

Offered: July.

This unit expands upon the physiology of the exercise response and adaptations to exercise training dealt with at an undergraduate level and in Applied Physiology, with particular reference to the cardiorespiratory systems. The unit considers the mechanics of breathing, airways dynamics, and the haemodynamic responses associated with the heart-lung interaction in elite athletes and with respect to effects of gravity and thoracic pressures. Attention will be paid to the limitations of these systems for elite performance, and the effects of respiratory disorders and their medical management on functional performance. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5034 Advanced Musculoskeletal Physiology

Old code 22534. 5 credit points

Dr Adele Weston

Offered: July.

This unit expands upon the physiology of the exercise response and adaptations to exercise training dealt with at an undergraduate level and in Applied Physiology, with particular reference to skeletal muscle and bone. Using an integrated approach this unit considers the normal and abnormal exercise response before proceeding to investigate specific topics related to skeletal muscle metabolism. Fatigue, damage, healing and pharmacological effects, and environmental stresses will be discussed. Particular attention will be paid to the metabolic adaptation of skeletal muscle to detraining and training, and the application of these adaptations to sporting, pathological and rehabilitation settings. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5035 Applied Biomechanics

Old code 22535. 6 credit points

Dr Peter Sinclair

Offered: July.

This unit extends and deepens the tools for assessing the mechanical effectiveness and efficiency of movement introduced in Human Mechanics. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention. These concepts and skills will be applied to a variety of human tasks from sport, leisure and work through in-depth case studies. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5029 Applied Physiology

Old code 22529. 6 credit points

Dr Chin Moi Chow

Offered: February.

A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology, Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiovascular, respiratory, metabolic, renal, neuromuscular and thermoregulatory responses to exercise. The effects of thermal and hypoxic environmental stresses on exercise responses are then considered. The modifying effects of physiological adaptations arising from deconditioning, physical training and acclimatisation are examined in the light of variations in habitual activity and environmental stress. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5036 Exercise and Rehabilitation

Old code 22536. 6 credit points

Dr John Brotherhood

Offered: July.

This unit provides the student with knowledge on the application of physical activity to the promotion and maintenance of health, and in rehabilitation. Topics include habitual physical activity in the prevention of disease, the effects of heart and lung disorders and functional capacity, and the effects on exercise responses of therapeutic interventions such as surgery and medication, bed rest, and immobilisation in the treatment of injury. These topics are complemented by consideration of the role of habitual physical activity in public health, and the use of exercise in rehabilitation. Throughout, there is strong emphasis on the biological basis of the application of exercise to health promotion, and in optimising function in the daily life of people with chronic health disorders. Close integration with the units Applied and Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology highlights the interactions between disease and normal exercise physiology, and integration with the unit Exercise Testing and Prescription provides the practical background to the application of exercise in the evaluation and rehabilitation of people suffering from health disorders or injury. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5031 Exercise Testing and Prescription

Old code 22531. 8 credit points

Rhonda Orr

Offered: February.

This unit considers the use of exercise testing, and the use of exercise prescription in the evaluation and preparation of athletes, in fitness and health promotion programs for children and adults, and in the rehabilitation and management of people suffering injury and chronic health disorders. The exercise testing component of the unit covers the basic principles and methods of assessing aerobic and anaerobic power, muscular strength and endurance, and body composition, as exemplified by the assessment of healthy adults. These principles are then extended to the specific evaluation of performance characteristics in athletes, and the clinical assessment of functional capacity in people suffering from cardiorespiratory, neuromuscular, and musculoskeletal disorders. The exercise prescription component of the unit covers the basic principles of prescribing exercise to develop endurance fitness, speed and strength, muscular endurance and modifying body composition. These principles are then extended to the scientific basis of athlete training, recommendations for promoting health and fitness in healthy people, and the formal application of exercise to increasing functional capacity for daily living in people suffering chronic disease and injury. The unit is closely associated with the units Applied and Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology and with the unit Exercise and Rehabilitation to ensure the proper integration of fundamental and applied exercise science. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

BIOS 5046 Functional Anatomy

Old code 11513.6 credit points

Dr Helen Ritchie, (02) 9351 9136

Offered: July. **Prerequisite:** An appropriate accredited course in

Anatomy. **Classes:** Class attendance is required. **Assessment:**

Written examination and assignment.

This unit aims to investigate the relationship between anatomical structure and function, particularly as it relates to the body during exercise.

This unit has two sections. The first section involves revision of the musculoskeletal anatomy of the limbs and trunk in the anatomy laboratory. Students who have completed Musculoskeletal anatomy units equivalent to Functional Anatomy A BIOS 1064 (11172) and Functional Anatomy B BIOS 1065 (11173) of the Bachelor of Applied Science (Physiotherapy) program in the Faculty of Health Sciences are exempt from this component of the unit. The second section involves advanced musculoskeletal anatomy of the limbs and trunk.

EXSS 5030 Human Mechanics

Old code 22530. 6 credit points

Peter Sinclair

Offered: February.

This unit applies the principles of functional anatomy and biomechanics to the analysis of selected activities. The unit aims to investigate the relationship between anatomical structure and function particularly in relation to the body during sport and exercise. Methods of estimation of muscle activity (electromyography) will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. The unit will also introduce some basic analysis of human physical task performance. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

BACH 5236 Motor Learning

Old code 2557E. 3 credit points
Dr Roger Adams (02) 9351 9275
Offered: July.

NB: Exercise and Sports Science only.

This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice skill differences in pattern recognition and movement production, simultaneous multi-task performance; attention, effort and resources; planning and controlling movements; hemispheric specialisation; memory for movements; imagery and mental rehearsal; practice and automatization; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

BACH 5238 Psychosocial Aspects of Sport

Old code 2557G. 4 credit points
J. Stynes, (02) 9351 9551, and I. Andrews (02) 9351 9588
Offered: July. Classes: Contract learning.

NB: Physiotherapy only. Not offered in 2000.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation.

The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

EXSS 5037 Research Dissertation

Old code 22537. 12 credit points
Offered: February.

In this unit students conduct an investigative project related to exercise physiology and biomechanics. This project may take one of several formats including: a quality assurance project, study of acute responses to exercise in a small sample of healthy or disabled individuals, a sports/exercise epidemiological study, extensive literature review, or a minor research project related to exercise and sport science.

BACH 5240 Research Methods

Old code 25571. 3 credit points
Offered: July.

NB: Exercise and Sports Science only. Not offered in 2000.

Familiarity is assumed with basic descriptive and inferential methods. These basic methods are expanded upon with the major focus being on problem solving with a view to extracting meaning from data. The emphasis is on practical application of methodologies with extensive use made of modern statistical software. The nexus between design and analysis is stressed using a linear model approach to demonstrate the partitioning of variance and the behaviour of random error. Single and multiple variable models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

EXSS 6002 Research Thesis

Old code 22501 A.

Students will not be permitted to proceed with the research thesis unless the coursework and any Special Program (Exercise and Sport Science) undertaken has been satisfactorily completed. During subsequent semesters students will be expected to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops. The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree in Exercise and Sport Science. For details of the requirements, supervision and assessment of research thesis, Chapter 3 should be consulted.

Each person will be required to submit a research proposal at the end of first semester of the full-time pass entry course.

EXSS 6003 Research Thesis

Old code 22501B.

Students will not be permitted to proceed with the research thesis unless the coursework and any Special Program (Exercise and Sport Science) undertaken has been satisfactorily completed. During subsequent semesters students will be expected to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops. The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree in Exercise and Sport Science. For details of the requirements, supervision and assessment of research thesis, Chapter 3 should be consulted.

Each person will be required to submit a research proposal at the end of first semester of the full-time pass entry course.

EXSS 5032 Sports Nutrition

Old code 22532. 4 credit points
Offered: February.

This unit provides students with background knowledge on nutrition as applied to sports performance. Special emphasis is given to the involvement of trace elements, amino acids as a fuel, dietary fibre, use of simple versus complex carbohydrates, etc. Practices such as 'bicarbonate loading', excessive intake of proteins/amino acids, ingestion of glucose polymers and 'carbohydrate loading' are also considered. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

School of Health Information Management

At the postgraduate level the School of Health Information Management offers Graduate Certificate courses in Casemix and Clinical Data Management, a Graduate Diploma of Health Science (Clinical Data Management), a Graduate Diploma of Health Science (Health Information Management), a Master of Applied Science (Health Information Management), and a Doctor of Philosophy (PhD).

The Graduate Certificate and Diploma courses are open to graduates from a variety of backgrounds. The Graduate courses in casemix and clinical data management are designed to enable a wide range of health professionals, including health information managers, and others to acquire specific knowledge, and skills in these specialised areas. People undertaking these part-time courses may be employed, or seeking employment, as casemix coordinators, data managers or managers of clinical trials.

The Graduate Diploma of Health Science (Health Information Management) is designed to provide graduates with a professional qualification in health information management. Health information managers are 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 the appropriate release of information about patients and health services. Successful completion of the Graduate Diploma of Health Science (Health Information Management) course qualifies the holder for full membership of the Health Information Management

Association of Australia. The Health Information Management Association of Australia represents the profession and promotes the continuing education of its members through regular seminars, workshops and conferences. Students undertaking the Graduate Diploma are eligible for student membership of the Association.

The Master of Applied Science (Health Information Management) course is designed to further develop health information managers by providing an opportunity for advanced study through research.

Graduate Certificate of Health Science (Casemix)

This course is designed to enable graduates to obtain knowledge of the design, uses and evaluation of casemix systems. The Graduate Certificate is suitable for both managers and health professionals working with casemix information systems as well as senior managers who need to keep abreast of current casemix issues and their implications for health services management and planning.

Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

- i) A bachelor degree from an Australian tertiary institution; or
- ii) A bachelor degree from an overseas institution equivalent to an Australian Bachelor degree; or
- iii) Experience and/or qualifications as deemed appropriate by the Head of School.

Course outline

The course outline for the Graduate Certificate of Health Science (Casemix) is presented in Table 10.1.

Table 10.1: Graduate Certificate of Health Science (Casemix)

Course code Mode of offer
0914 Part-time; minimum 2 semesters
Credit points:24

Unit code	(old code)	Unit name	Sem 1	Sem 2
HIMT5019	(09501)	Introduction to Casemix	6	-
HIMT5020	(09502)	Generating and Using Casemix Information	6	-
HIMT5021	(09503)	Casemix Funding and Financial Management	-	6
HIMT5022	(09504)	Implementing Casemix Systems	-	6
Stage total (24 credit points)			12	12

Graduate Certificate of Health Science (Clinical Data Management)

This course is designed to provide health professionals with a working knowledge of the management of clinical data used in clinical trials and other projects. The course is suitable for health information managers, data managers and other health professionals working with, or planning to work with, clinical data and other health databases.

A one week residential School is normally held at the end of March Semester.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Graduate Diploma with credit transfer for stage 1 of that award.

Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

- i) A bachelor degree in an appropriate discipline from an Australian tertiary institution; or
- ii) A bachelor degree in an appropriate discipline from an overseas institute equivalent to an Australian bachelor degree; or
- iii) Experience and/or a qualification as deemed appropriate by the Head of School.

Applicants must be able to demonstrate familiarity with major microcomputing software such as DOS, Windows, word processing, a database package and a spreadsheet package.

Course outline

The course outline for the Graduate Certificate of Health Science (Clinical Data Management) is presented in Table 10.2.

Table 10.2: Graduate Certificate of Health Science (Clinical Data Management)

Course code Mode of offer
0915 Off-campus ; Part-time, minimum 2 semesters
Credit points: **24**

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
HIMT5023	(09505)	Fundamentals of Medicine and Medical Terminology	6	-
HIMT5027	(09509)	Introduction to Epidemiology	6	-
HIMT5025	(09507)	Clinical Data Management and Clinical Trials	-	6
HIMT5026	(09508)	Database Systems	-	6
Stage total (24 credit points for Year 1)			12	12

Graduate Diploma of Health Science (Clinical Data Management)

The Graduate Diploma of Health Science (Clinical Data Management) offers advanced study in the area of the design and management of clinical trials and related projects. The first year (common with the Graduate Certificate) provides health professionals with a working knowledge of clinical data management, whilst the second year provides advanced study in clinical data management and related topics.

A one week residential School is normally held at the end of March Semester.

Admission requirements

As for the Graduate Certificate.

Course outline

The course outline for the Graduate Diploma of Health Science (Clinical Data Management) is presented in Table 10.3.

Table 10.3: Graduate Diploma of Health Science (Clinical Data Management)

Planned to commence in 2001

Course code Mode of offer
0917 Off-campus ; Part-time, minimum 2 years
Credit points: **48**

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
HIMT5023	(09505)	Fundamentals of Medicine and Medical Terminology	6	-
HIMT5027	(09509)	Introduction to Epidemiology	6	-
HIMT5025	(09507)	Clinical Data Management and Clinical Trials	-	6
HIMT5026	(09508)	Database Systems	-	6
Stage total (24 credit points for Year 1)			12	12
Year 2				
HIMT5037	(09519)	Management	6	-
HIMT5038	(09520)	Statistics for Clinical Research	6	-
HIMT5039	(09521)	Advanced Clinical Data Management	-	6
HIMT5040	(09522)	Health Care Evaluation	-	6
Stage total (24 credit points for Year 2)			12	12

Graduate Diploma of Health Science (Health Information Management)

The Graduate Diploma of Health Science (Health Information Management) offers a specialised program in the professional area of health information/medical record management.

The course is designed to prepare specialists in the management of health information systems. It provides participants with a core of knowledge and skills appropriate to the effective practice of health information management. The course focuses on the information needs of health care professionals and facilities and provides a sound education in information systems management, microcomputing, programming, database design, medical terminology, medical science, medico-legal principles, management principles including human resource management, research methods and epidemiology, disease classification and casemix measurement systems, financial management in health care facilities and evaluation in health care.

Full-time and part-time study

The Graduate Diploma of Health Science (Health Information Management) is structured as a full-time degree course offered over one year. 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 9 full units of study per academic year, except when a student has fewer than 9 units remaining to complete requirements for graduation.
- Passing the equivalent of 7 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 GradDipHlthSc (HIM) course. At this time, the option of part-time enrolment is only available to a few 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: 2 years from the initial academic year of enrolment
- Maximum time: 3 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 in different years, and plan sufficiently well so that they do not exceed the maximum time for course completion or they fail to meet satisfactory progress requirements, as set out above.
- Students must meet pre-requisite 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

In order to qualify for admission, applicants shall hold:

- i) A bachelor degree in a related area from an Australian or overseas tertiary institution and such relevant work experience as satisfies the Head of School; or
- ii) Some other form of relevant qualification as satisfies the Head of School.

Course outline

The course outline for the Graduate Diploma of Health Science (Health Information Management) is presented in Table 10.4.

Table 10.4: Graduate Diploma of Health Science (Health Information Management)

Course code	Mode of offer			
0906	Full-time; 1 year			
0918	Part-time; iminimum 2 years, maximum 3 years			
Credit points ;48				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
HIMT5005	(09425)	Introduction to Data Processing and Microcomputers	2	-
HIMT5032	(09514)	Human Resource Management	2	-
HIMT5033	(09515)	Financial Management in Health Care Facilities	2	-
HIMT5028	(09510)	Health Informatics	2	-
HIMT5029	(09511)	International Disease Classification Systems A	2	-
HIMT5030	(09512)	International Disease Classification Systems B	-	2
HIMT5034	(09516)	Information Systems Management I	3	-
HIMT5035	(09517)	Health Care Systems	2	-
HMT5036	(09518)	Information Systems Management II	-	2
HIMT5044	(09438)	Casemix Measurement Systems	-	2
HIMT5045	(09439)	Epidemiology	-	2
HIMT5031	(09513)	Law and Health	-	3
HIMT5012	(09445)	Introduction to Programming and Database Design	-	4
HIMT5013	(09446)	Fundamentals of Medicine and Medical Terminology I	4	-
HIMT5014	(09447)	Fundamentals of Medicine and Medical Terminology II	-	4
HIMT5015	(09448)	Professional Experience	-	4 ¹
HIMT5041	(09523)	Introduction to Management Principles	-	2
HIMT5018	(09470)	Health Care Evaluation	-	2
BACH5310	(2559G)	Research Methods I: Design	2	-
Stage total (48 credit points for Year 1)			21	27
Part-time mode				
<i>Year 1</i>				
HMT5005	(09425)	Introduction to Data Processing and Microcomputers	2	-
HIMT5029	(09511)	International Disease Classification Systems A	2	-
HIMT5030	(09512)	International Disease Classification Systems B	-	2
HIMT5034	(09516)	Information Systems Management I	3	-
HIMT5035	(09517)	Health Care Systems	2	-
HIMT5036	(09518)	Information Systems Management II	-	2
HIMT5031	(09513)	Law and Health	-	3
HIMT5013	(09446)	Fundamentals of Medicine and Medical Terminology I	4	-
HIMT5014	(09447)	Fundamentals of Medicine and Medical Terminology II	-	4
HIMT5015	(09448)	Professional Experience	-	4 ¹
Stage total (28 credit points for Year 1)			13	15
<i>Year 2</i>				
HIMT5032	(09514)	Human Resource Management	2	-
HIMT5033	(09515)	Financial Management in Health Care Facilities	2	-
HIMT5028	(09510)	Health Informatics	2	-
HIMT5044	(09438)	Casemix Measurement Systems	-	2
HIMT5045	(09439)	Epidemiology	-	2
HIMT5012	(09445)	Introduction to Programming and Database Design	-	4
HIMT5041	(09523)	Introduction to Management Principles	-	2
HIMT5018	(09470)	Health Care Evaluation	-	2
BACH5310	(2559G)	Research Methods I: Design	2	-
Stage total (20 credit points for Year 2)			8	12

Notes to Table 10.4

1. 2 weeks inter-semester placement, 2 weeks post-semester placement

Master of Applied Science (Health Information Management) by Research

The School of Health Information Management has a firm commitment to the development of knowledge and skills appropriate to the needs of health information managers. The postgraduate programs offered by the School are therefore designed to give graduates an opportunity to pursue advanced study in areas of professional interest including information systems, organisational management and evaluation methodology.

The Master of Applied Science (Health Information Management) is largely by research thesis with minimal supplementary course work. This program gives graduates an opportunity to further develop their skills by undertaking research in a specialised area of study.

Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

- i) A bachelor degree in Medical Record Administration/ Health Information Management from an Australian tertiary institution; or
- ii) An Associate Diploma in Medical Record Administration plus an approved bachelor degree; and
- iii) Such qualifications as are deemed to be equivalent to (1) or (2),

Course outline

The course outline for the Master of Applied Science (Health Information Management) is presented in Table 10.5.

Table 10.5: Master of Applied Science (Health Information Management) by Research

Course code	Mode of offer			
0911	Special Proirram (for master's qualifying students)			
0909	Full-time; minimum 2 years			
0910	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
HIMT6008	(09602)	Research Proposal	6	-
BACH5253	(2557V)	Intermediate Statistics	-	6
HIMT6009	(09603)	Research Thesis	-	-
<i>Year 2</i>				
HIMT6010	(09604)	Research Thesis	-	-
HIMT6011	(09605)	Research Thesis	-	-
Part-time mode				
<i>Year 1</i>				
HIMT6008	(09602)	Research Proposal	6	-
BACH5253	(2557V)	Intermediate Statistics	-	6
HIMT6012	(09606)	Research Thesis	-	-
<i>Year 2 (and subsequent years)</i>				
HIMT6013	(09607)	Research Thesis	-	-
HIMT6012	(09606)	Research Thesis	-	-

Professional experience

In the Graduate Diploma of Health Science (Health Information Management), professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW).

Clinical practice dates - Graduate Diploma of Health Science (Health Information Management)

26 June - 7 July (2 weeks)

4-15 December (2 weeks)

Uniforms

Uniforms and identification badges must be worn by all students during practical placements.

Units of study

HIMT 5039 Advanced Clinical Data Management

Old code 09521. 6 credit points

Offered: July.

This unit introduces students to aspects of quality assurance in data collection, new information technologies, to implementing database design, and to non-randomised clinical research. It also contains regulatory and legal issues in clinical research: GCRP, FDA requirements, NHMRC Guidelines for human research and AHEC guidelines are discussed. In the section on medico-legal issues topics like privacy and confidentiality and the release of patient data are discussed.

HIMT 5021 Casemix Funding and Financial Management

Old code 09503. 6 credit points

Prof Beth Reid, (02) 9351 9494

Offered: July. **Classes:** Attendance required. Classes will be held one evening per week.

This unit is concerned with one of the main applications of casemix data, paying hospitals on the basis of their output. The various models used for casemix based payment systems in Victoria, Queensland and South Australia are explored. The unit explains the methods used to cost the activities of hospitals and set the prices of the AN-DRGs. Differences in the population and casemix based funding approaches are examined with special reference to experiences with integrating the two in NSW and Queensland. In addition, the potential role of casemix in a provider-purchaser split funding model is also considered. A casemix management game is used to provide insight into the potential impact of casemix based funding at the hospital level. The unit also examines the issues surrounding the use of casemix based budgeting within hospitals.

HIMT 5044 Casemix Measurement Systems

Old code 09438. 2 credit points

Joanne Callen, (02) 9351 9493

Offered: July. **Classes:** Attendance required. Classes will be held one evening per week.

This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

HIMT 5025 Clinical Data Management and Clinical Trials

Old code 09507. 6 credit points

Johanna Westbrook, (02) 9351 9494

Offered: July. **Classes:** External/distance mode.

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

HIMT 5026 Database Systems

Old code 09508. 6 credit points

Angelika Lange, (02) 9351 9570

Offered: July.

This unit covers the study of relational database design, using SQL, Microsoft Access and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system. It also introduces the student to Systems Analysis and Design, which includes the system life cycle, data flow diagrams, data dictionaries, cost/benefit analysis, scheduling (PERT and CPM) techniques, system testing and conversion, and data security.

This unit is offered by distance mode, however, preliminary tuition is given during a Residential that is held on-campus in the last week of June. Students wishing to commence this unit in Semester 2 should contact the School no later than the first week of June in order to receive information about the Residential.

HIMT 5045 Epidemiology

Old code 09439. 2 credit points

Johanna Westbrook, (02) 9351 9494

Offered: July. **Classes:** Attendance required; day classes.

This unit introduces the student 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 measures for 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 presentation in data management.

HIMT 5033 Financial Management in Health Care Facilities

Old code 09515. 2 credit points

Offered: February. **Classes:** Attendance required; day classes.

In this unit students are introduced to the financial management of hospitals and health care 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 5023 Fundamentals of Medicine and Medical Terminology

Old code 09505. 6 credit points

Enquiries (02) 9351 9494

Offered: February. **Classes:** Independent learning package; external/distance mode.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

HIMT 5013 Fundamentals of Medicine and Medical Terminology I

Old code 09446. 4 credit points

Enquiries (02) 9351 9494

Offered: February. **Classes:** Attendance required; day classes.

This unit is designed to provide students with the knowledge necessary to understand the information contained in the health record, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology (disease titles, symptomatic terms, surgical terms and investigations).

HIMT 5014 Fundamentals of Medicine and Medical Terminology II

Old code 09447. 4 credit points

Offered: July. **Classes:** Attendance required; day classes.

This unit continues the study of anatomy and physiology, disease processes and interventions, and medical terminology, organised around body systems. Specialist areas such as psychiatry and medical imaging will also be addressed.

HIMT 5020 Generating and Using Casemix Information

Old code 09502. 6 credit points

Beth Reid, (02) 9351 9494

Offered: February. Classes: Attendance required; night classes (classes will be held one evening per week).

This unit is designed to give students practical experience in the production and analysis of casemix information. The unit functions as a companion to the unit Introduction to Casemix by giving students practical illustrations of the casemix concepts as they are introduced. The major emphasis will be on the AN-DRG system because suitable software is currently limited to that system. Software for other casemix systems will be introduced into the course as it becomes available.

HIMT 5018 Health Care Evaluation

Old code 09470. 2 credit points

Joanne Callen, (02) 9351 9493

Offered: July. Classes: Attendance required; day classes.

In this unit students are introduced to the concepts of quality health care. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, 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 care, along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

HIMT 5040 Health Care Evaluation

Old code 09522. 6 credit points

Offered: July.

In this unit students are introduced to the concepts of quality health care. Approaches to evaluation of quality of care at a national level are discussed along with the assessment of health care quality at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, and clinical indicators. Approaches to improve quality of care such as best practice guidelines are discussed. Program evaluation principles will be addressed. It also deals with Total Quality management. Techniques and methodologies for assessing quality of care along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

HIMT 5035 Health Care Systems

Old code 09517. 2 credit points

Johanna Westbrook, (02) 9351 9494

Offered: February. Classes: Attendance required; day classes.

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.

HI MT 5028 Health Informatics

Old code 09510. 2 credit points

Angelika Lange, (02) 9351 9570

Offered: February. Classes: Attendance required; day classes.

This unit is designed to examine hospital information systems in the wider context of computers in information management and in clinical management. This unit covers new developments in computer and communication technology and their application in health care systems.

HIMT 5032 Human Resource Management

Old code 09514. 2 credit points

Joanne Callen, (02) 9351 9493

Offered: February. Classes: Attendance required; day classes.

This unit is designed to introduce the student to the human resource management functions relevant to the work of the 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 industrial relations framework in Australia with particular emphasis on the current workplace focus and conflict resolution are covered and students are also taught to prepare their own curriculum vitae.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

HIMT 5022 Implementing Casemix Systems

Old code 09504. 6 credit points

Beth Reid, (02) 9351 9494

Offered: July. **Classes:** Attendance required. Night classes (classes will be held one evening per week).

The purpose of this unit is to give students the skills to implement casemix based systems and apply casemix concepts to common management problems. The practical problems of implementing casemix are addressed. These include: incorporating casemix information into the existing management information system; integrating casemix approaches with the existing utilisation review and quality assurance programs; educating staff about casemix issues; using casemix data to plan health-care services; and analysing the current organisational structure to identify barriers to the use of casemix data to better manage the facility. The unit builds on the skills developed during the unit Generating and Using Casemix Information by using the same practical information based approaches.

HIMT 5034 Information Systems Management I

Old code 09516. 3 credit points

Offered: February.

This unit introduces students to the concepts of health information systems management by means of an integrated study of the nature of information, health record management, including patient identification, filing and retrieval systems, record control, forms design, record structures and computerised health record systems such as HOSPAS and MPAS.

HIMT 5036 Information Systems Management II

Old code 09518. 2 credit points

Offered: July.

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.

BACH 5253 Intermediate Statistics

Old code 2557V. 6 credit points

Rob Heard, (02) 9351 9583, and Zakia Hossain (02) 9351 9340

Offered: February, July. **Prerequisite:** Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent.**Classes:** Night classes.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

HIMT 5029 International Disease Classification Systems A

Old code 09511. 2 credit points

Anne Marks, (02) 9351 9057

Offered: February. Classes: Attendance required; day classes.

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using MBS-Extended. It includes the historical development of clinical classification systems and students will be able to make practical comparisons between ICD-9-CM and ICD-10-AM. Disease and operations

indices, morbidity and mortality statistics collections and notification and registration systems will be studied.

HIMT 5030 International Disease Classification Systems B

Old code 09511. 2 credit points

Anne Marks, (02) 9351 9057

Offered: July. Classes: Attendance required; day classes.

This unit builds on unit matter studied in HIMT 5021 (09511) and also gives students the opportunity to code from medical records in hospitals and to become familiar with computer-assisted coding and indexing systems.

HIMT 5019 Introduction to Casemix

Old code 09501. 6 credit points

Beth Reid, (02) 9351 9494

Offered: February. Classes: Attendance required. Night classes (classes will be held one evening per week).

The purpose of this unit is to introduce the concepts, which underpin the design and use of casemix systems. The major emphasis is on the Australian National Diagnosis Related Groups (AN-DRGs) used in acute hospitals. However, the issues surrounding the use of casemix systems for non-acute inpatients and ambulatory patients are also analysed. The unit includes an introduction to the concepts of several applications of casemix information, but the details related to paying for care based on casemix are explored in the unit Casemix Funding and Financial Management. The current casemix initiatives of the Commonwealth, States and at the hospital level are explored along with likely future developments.

HIMT 5005 Introduction to Data Processing and Microcomputers

Old code 09425. 2 credit points

Angelika Lange, (02) 9351 9570

Offered: February. Classes: Attendance required; day classes.

This unit introduces students to microcomputers and mainframe computers and also deals with the history of computer technology, introduction to computer hardware and concepts, use of microcomputers and applications software. Areas studied include MS-DOS, WINDOWS, a spreadsheet package, and a database package.

HIMT 5027 Introduction to Epidemiology

Old code 09509. 6 credit points

Johanna Westbrook, (02) 9351 9494

Offered: February. Classes: External/distance mode.

This unit introduces students to epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic) and sources of measurement error. There is a focus on issues of specific relevance to randomised clinical trials, for example intention to treat analysis, and test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

HIMT 5041 Introduction to Management Principles

Old code 09523. 2 credit points

Tina Magennis, (02) 9351 9566

Offered: July. Classes: Attendance required; day classes.

This unit is designed to introduce postgraduate students to the concept of management and the application of management knowledge to the practice of health information management. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas include total quality management, motivation, organisational communication and the change process. The unit content of Introduction to Management also supports the professional experience component of the course.

HIMT 5012 Introduction to Programming and Database Design

Old code 09445. 4 credit points

Offered: July. Classes: Attendance required; day classes.

This unit introduces students to the third generation programming language PASCAL, Nassi-shneiderman diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester they learn to use

the database language SQL and to design a new database in CRS (Clinical Report System).

HIMT 5031 Law and Health

Old code 09513. 3 credit points

Tina Magennis, (02) 9351 9566

Offered: July. Classes: Attendance required; day classes.

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 5037 Management

Old code 09519. 6 credit points

Offered: February.

This unit introduces students to the concepts of management and the application of management knowledge to the practice of clinical research. Topics focus on both traditional and contemporary management theories, project management, time management, information control systems, and budgeting and costing.

HIMT 5015 Professional Experience

Old code 09448. 2 credit points

NB: Offered between semesters.

This unit is designed to extend the student's knowledge of health information management, to give them an opportunity to apply the theoretical knowledge they have gained and to develop competency and proficiency in the workplace. It also provides students with the opportunity to undertake a project which will develop their problem-solving skills while exploring special areas of interest in health information management.

BACH 5310 Research Methods I: Design

Old code 2559G. 2 credit points

Offered: February.

NB: Health Information Management only. Not offered in 2000.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

HIMT 6008 Research Proposal

Old code 09602. 6 credit points

Offered: February.

The aim of this unit is to allow the students to develop a formal research proposal for their intended research thesis. This will include the development of the research question, literature review, research design and proposed statistical analysis. Successful completion of this unit will be required before enrolment in the unit 09418 Research Thesis.

HIMT 6009 Research Thesis

Old code 09603. Offered: July. Prerequisite: HIMT 6007 (09467)

Research Proposal.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6010 Research Thesis

Old code 09604. **Offered:** February. **Prerequisite:** HIMT 6007 (09467) Research Proposal.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6011 Research Thesis

Old code 09605. **Offered:** July.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6012 Research Thesis

Old code 09606. **Offered:** July. **Prerequisite:** HIMT 6007 (09467) Research Proposal.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6013 Research Thesis

Old code 09607. **Offered:** February. **Prerequisite:** HIMT 6007 (09467) Research Proposal.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 5038 Statistics for Clinical Research

Old code 09520. 6 credit points

Offered: February.

This unit aims to introduce students to basic statistical principles relevant to the manipulation and analysis of clinical data. Students will be exposed to concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. This last topic will include chi square analysis, calculation of confidence intervals, tests for differences in the locations of samples (including t-tests and tests for non-normally distributed data), correlation and regression, sample size estimation and an introduction to survival analysis. It is expected that at the conclusion of the unit students will be able to: appraise published statistical analyses; perform simple statistical tests with the assistance of a computer package; and present statistical data.

School of Medical Radiation Sciences

The School of Medical Radiation Technology was established at the Cumberland College of Health Sciences in 1988 when it offered a Diploma of Applied Science (Medical Radiation Technology). The Bachelor of Applied Science (Medical Radiation Technology) course commenced in 1992. There are three professional streams in the undergraduate course; Diagnostic Radiography, Nuclear Medicine Sciences and Radiation Therapy. A Graduate Diploma of Applied Science (Medical Ultrasonography) commenced in 1991. The school's name was changed in 1999 to School of Medical Radiation Sciences to better reflect its emphasis on scientific investigation of a wide range of medical radiation fields. Post-graduate study is now available by research and course work in all fields of Medical Radiation Sciences, a large amount of it in off-campus mode.

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. A 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, where the diagnosis is made from images gained when a patient is placed in a high intensity magnetic field. 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. Accuracy is essential because of the high doses of radiation that are delivered to the diseased area. The profession thus combines close patient contact with the use of high technology equipment. Advances in imaging methods, computer algorithms and new methods of modifying the high energy linear accelerator radiation beams mean that radiation

therapists are continually learning and contributing to research in the field.

A Medical Sonographer is responsible for the production of diagnostic images and other diagnostic information using ultrasound. Non-invasive investigations are performed on most soft tissue regions of the body. Using Doppler technology, blood flow characteristics can be determined at any localised site in soft tissue and in vessels, enabling rapid diagnostic information to be obtained. Increases in technology are enabling more information to be collected to quantify both function and anatomical detail. Sonographers have a high level of autonomy and have the professional responsibility for performing a provisional diagnosis during an examination. They are required to acquire and selectively record appropriate images of the examination to facilitate a diagnosis.

Graduate Certificate of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It is a two semester part-time course comprising 24 credit points. Students wishing to articulate from the Graduate Certificate to higher levels within the program must gain at least a credit average.

Students who successfully complete the Graduate Certificate program will be able to:

- i) Carry out a range of sonographic procedures in their specialised field
- ii) Write coherently and logically
- iii) Translate their learning to the workplace and apply their knowledge at an advanced level
- iv) Apply informed critical thinking to their professional activities.

Admission requirements

- i) Diploma in the medical radiation science field (specifically radiography, nuclear medicine technology and radiation therapy); or
- ii) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students with professional accreditation in the fields of diagnostic radiography, nuclear medicine technology and radiation therapy, but less than a Diploma qualification, will be required to:

- i) have at least three years recent clinical experience
- ii) present evidence to the Head of School of their ability to study at postgraduate level
- iii) complete any enabling units of study that may be required by the Head of School.

Course outline

The course outline for the Graduate Certificate of Health Science (Medical Sonography) is presented in Table 11.1.

Table 11.1: Graduate Certificate of Health Science (Medical Sonography)

Course code Mode of offer
1840 Off-campus; 2 semesters
Credit points: 24

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
BIOS5047	(11454X)	Biological Sciences	4	
		Sonography Elective ¹ or Elective ³	6	
		Sonography Elective ¹		6
		Clinical Practice Elective ²		4
		Sonography Elective ¹ or Elective ³		6 or 4
Stage total (24 credit points)			10	14

Notes to Table 11.1

1, 2, 3. Electives are outlined on page 90. The choice of electives must be approved by the Course Coordinator prior to enrolment. The Graduate Certificate will not meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR).

- Clinical Practice Elective may be taken in Semester 1 or 2.
- On-campus residentials may be required for some components.

Graduate Diploma of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It provides for the development of knowledge and skills relevant to the professional practice of medical sonography. The course covers physical principles and instrumentation, professional issues encountered in the field of sonography and a wide variety of the applications of sonography.

It is a 4 semester part-time course comprising 48 credit points, offered in off-campus mode with on-campus blocks.

Students who successfully complete the Graduate Diploma program will be able to:

- Carry out a wide range of sonographic procedures in general sonography or a specialised field
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and apply their knowledge at an advanced level
- Apply informed critical thinking to their professional activities.

Admission requirements

- i) Bachelors degree in a relevant field; or
- ii) Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney*, or equivalent qualification from another University; or
- iii) Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
- iv) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and be working in the field of medical sonography for the duration of the course.

*Note: Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 11.2.

Table 11.2: Graduate Diploma of Health Science (Medical Sonography)

Course code 1841
 Mode of offer Off-campus;; 4 semesters
 Credit points :48

Unit code	(old code)	Unit name	Sem 1	Sem 2
BIOS5047	(11454X)	Biological Sciences	4	-
MRTY5088	(18578X)	Physics & Instrumentation I	6	-
MRTY5067	(18557X)	Professional Issues	-	4
		Sonography Elective ¹		6
		Clinical Practice Elective ²		4
Stage total (24 credit points for Year 1)			10	14
<i>Year 2</i>				
MRTY5068	(18558X)	Physics & Instrumentation II	4	-
		Sonography Elective ¹	6	-
		Clinical Practice Elective ²	4	-
		Sonography Elective ¹	-	6
		Clinical Practice Elective ²	-	4
Stage total (24 credit points for Year 2)			14	10

Notes to Table 11.2

- 1, 2, 3. Electives are outlined on page 90. The choice of electives must be approved by the Course Coordinator prior to enrolment.
- A condition of the course is: that each student is engaged in sonography for at least 18 hours per week throughout the entire course.
 - Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.
 - Year 1 Clinical Practice Elective may be taken in Semester 1 or 2
 - On-campus residentials are required.

Master of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

This is a six semester part-time course comprising 72 credit points.

Holders of the Graduate Diploma of Health Science (Medical Sonography) will receive credit transfer for 48 credit points of the Master's course. Holders of the Graduate Certificate of Health Science (Medical Sonography) will receive credit transfer for 24 credit points of the Master's course. These qualifications will be relinquished on achieving the Master's qualification.

Students who successfully complete the Master's program will be able to:

- Carry out a range of sonographic procedures in general sonography or in their specialised field with a higher degree of ability than is expected from the accreditation level practitioner
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

Admission requirements

- Degree in Medical Radiation Sciences; or
- Degree in a relevant field (eg. nursing). Such applicants may be required to make up deficiencies in identified areas of assumed knowledge (eg. physics, medical imaging modalities, etc.); or submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; or the Graduate Certificate of Health Science (Medical Sonography), Graduate Diploma of Applied Science (Medical Ultrasonography) or Graduate Diploma of Health Science (Medical Sonography) from the University of Sydney*, or equivalent qualification from another University; and at least one year of relevant work experience in the field of their undergraduate studies; and be working in the field of sonography for at least 18 hours per week during at least the first two years of the course.

*Note: Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science.

Course outline

The course outline for the Master of Health Science (Medical Sonography) is presented in Table 11.3.

Table 11.3: Master of Health Science (Medical Sonography)

To be first offered in August Semester 2000, subject to final approval

Course code 1842 Mode of offer Off-campus ; 6 semesters

Credit points: 72

Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
BIOS5047	(11454X)	Biological Sciences	4	-
MRTY5088	(18578X)	Physics & Instrumentation I	6	-
MRTY5067	(18557X)	Professional Issues	-	4
		Sonography Elective ¹	-	6
		Clinical Practice Elective ²	-	4
Stage total (24 credit points for Year 1)			10	14
<i>Year 2</i>				
MRTY5068	(18558X)	Physics & Instrumentation II	4	-
		Sonography Elective ¹	6	-
		Clinical Practice Elective ²	4	-
		Sonography Elective ¹	-	6
		Clinical Practice Elective ²	-	4
Stage total (24 credit points for Year 2)			14	10
<i>Year 3</i>				
		Elective ³ OR Sonography Elective ¹	-	6
		Elective ³ OR Clinical Practice Elective ²	6 or 4	-
		Elective ³	-	6
MRTY5086	(18576X)	Investigative Project	-	8
Stage total (24 credit points for Year 3)			10	14

Notes to Table 11.3

1, 2, 3. Electives are outlined below. The choice of electives must be approved by the Course Coordinator prior to enrolment.

- A condition of the course is that each student is engaged in sonography for at least 18 hours per week during at least the first two years of the course.
- Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.
- Year 1 Clinical Practice Elective may be taken in Semester 1 or 2.
- On-campus residentials are required.

1. Sonography electives -18S461 A/18S62D*Semester 1*

- MRTY5069 (18559X) Sonography in Obstetrics and Gynaecology
- MRTY5070(18560X) Cardiac Sonography
- MRTY5071 (18561X) Vascular Sonography
- MRTY5072 (18562X) Independent Study in Sonography

Semester 2

- MRTY5073(18563X) Abdominal Sonography
- MRTY5074 (18564X) Superficial Structures Sonography
- MRTY5075 (18565X) Cardiac Measurement Techniques
- MRTY5076(18566X) Paediatric Sonography
- MRTY5072 (18562X) Independent Study in Sonography
- Some electives offered may depend on sufficient enrolments

2. Clinical practice electives - 18C41 A/18C42D*Offered in both semesters*

- MRTY5078 (18568X) Clinical Practice in Abdominal Sonography
- MRTY5079 (18569X) Clinical Practice in Obstetric and Gynaecological Sonography
- MRTY5080 (18570X) Clinical Practice in Superficial Structures Sonography
- MRTY5081 (18571X) Clinical Practice in Vascular Sonography
- MRTY5082 (18572X) Clinical Practice in Cardiac Measurement Techniques
- MRTY5083 (18573X) Clinical Practice in Cardiac Sonography
- MRTY5084 (18574X) Clinical Practice in Paediatric Sonography
- MRTY5085 (18575X) Clinical Practice in Independent Study

3. Electives -18E61A/00E61A

Choose from the following:

- MRTY5043 (18533X) Directed Studies A
- MRTY5044(18534X) Directed Studies B
- MRTY5055 (18535X) Directed Studies C (see Medical Radiation Sciences elective units of study)
- BACH5298 (25594) History and Philosophy of Scientific Methodology (see Chapter 17)
- BACH (25533X) Clinical Teaching and Supervision (see Chapter 17)

OR

Elective or Research Elective (see Chapter 17 for description) subject to approval by Course Coordinator

OR

Elective (see Medical Radiation Sciences elective units of study) (subject to approval by Course Coordinator)

OR

- MRTY5088 (18401X) Physics & Instrumentation I (available as an elective for the Graduate Certificate but a core unit of study for Graduate Diploma or Master's)
- MRTY5067 (18557X) Professional Issues (available as an elective for the Graduate Certificate but a core unit of study for Graduate Diploma or Master's)

Graduate Certificate of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a two semester off-campus course, comprising 24 credit points. There is no requirement to complete a coherent major area. Up to 4 credit points may be gained by studying an approved subject from outside the University. There are no obligatory units of study in this stage of the program.

Students who successfully complete the Graduate Certificate will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Write coherently and logically
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

Admission requirements

- Diploma in the medical radiation science field (specifically radiography, nuclear medicine sciences and radiation therapy); or

- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students with professional accreditation in the fields of diagnostic radiography, nuclear medicine technology and radiation therapy, but less than a Diploma qualification, will be required to:

- have at least three years recent clinical experience
- present evidence to the Head of School of their ability to study at postgraduate level
- complete any enabling subjects that may be required by the Head of School.

Course outline

The course outline for the Graduate Certificate of Health Science (Medical Radiation Sciences) is presented in Table 11.4.

A minimum of 12 credit points must be completed from Medical Radiation Sciences elective units of study (page 93). The remaining credit points may be completed from other schools of the Faculty of Health Sciences (see Chapter 17).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 11.4: Graduate Certificate of Health Science (Medical Radiation Sciences)

Unit code	Unit name	Sem 1	Sem 2
<i>Year 1</i>			
	Elective	6	-
	Elective	6	
	Elective		6
	Elective		6
Stage total (24 credit points for Year 1)		12	12

Graduate Diploma of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a four semester off-campus course, comprising 36 credit points. To qualify for a Certificate of Specialisation there should be a minimum of 30 credit points from a major area. Up to 8 credit points may be gained by studying elective units from outside the University. There is one obligatory unit of study that must be completed by students.

Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Graduate Diploma course. This qualification will be relinquished on achieving the Graduate Diploma qualification.

Students who successfully complete the Graduate Diploma will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Write coherently and logically
- Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical drinking to their professional activities.

Admission requirements

- Bachelors degree in a relevant field; or
- Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another University; or
- Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Radiation Sciences) is presented in Table 11.5.

A minimum of 18 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences elective units of study (page 93). The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 17).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 11.5: Graduate Diploma of Health Science (Medical Radiation Sciences)

Course code Mode of offer
1844 Off-campus ; 3 semesters
Credit points: 36

Unit code	(old code)	Unit name	Sem1	Sem 2
Year 1				
		Elective	6	
		Elective	6	
		Elective		6
		Elective		6
Stage total (24 credit points for Year 1)			12	12
Year 2				
MRTY5024	(18515X)	Current Issues in Medical Radiations	6	-
		Elective	6	
Stage total (12 credit points for Year 2)			12	-

Master of Health Science (Medical Radiation Sciences) by Coursework

This course aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a four semester (minimum) off-campus course comprising 48 credit points. To qualify for a Certificate of Specialisation issued by the School of Medical Radiation Sciences there should be a minimum of 30 credit points from a major area. Up to 12 credit points may be gained by cross-institutional enrolment in approved units of study. There is one obligatory unit of study that must be completed.

Holders of the Graduate Diploma of Health Science (Medical Radiation Sciences) will receive credit transfer for 36 credit points of the Masters course. Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Masters course. These qualifications will be relinquished on achieving the Masters qualification.

Students who successfully complete the Masters program will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner

- Apply informed critical thinking to their professional activities.

Admission requirements

- Bachelors degree in a relevant field; or
- Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another University; or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science (Medical Radiation Sciences).

Course outline

The course outline for the Master of Health Science (Medical Radiation Sciences) by coursework is presented in Table 11.6.

A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences Elective units of study (next page). The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 17).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 11.6: Master of Health Science (Medical Radiation Sciences) by Coursework

Course code Mode of offer
1845 Off-campus; 4 semesters
Credit points: 48

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
		Elective	6	-
		Elective	6	-
		Elective	-	6
		Elective	-	6
Stage total (24 credit points for Year 1)			12	12
Year 2				
MRTY5024	(18515X)	Current Issues in Medical Radiations	6	-
		Elective	6	-
		Elective	-	6
		Elective	-	6
Stage total (24 credit points for Year 2)			12	12

Medical Radiation Sciences electives

February Semester 2000

MRTY5028 (18518X)	Advanced Image Processing
MRTY5029 (18519X)	Advanced Multiplanar Anatomy
MRTY5033 (18523X)	Breast Imaging I
MRTY5034 (18524X)	Breast Imaging II
MRTY5038 (18528X)	Diagnostic Imaging for Radiation Therapy
MRTY5040 (18530X)	CT Practice I
MRTY5041 (18531X)	CTPracticell
MRTY5043 (18533X)	Directed Studies A
MRTY5044 (18534X)	Directed Studies B
MRTY5045 (18535X)	Directed Studies C
MRTY5064 (18554X)	Stabilisation and Positioning
MRTY5066 (18556X)	Theory of Radiation Therapy Planning Calculations

July Semester 2000

MRTY5028 (18518X)	Advanced Image Processing ¹
MRTY5029 (18519X)	Advanced Multiplanar Anatomy
MRTY5030 (18520X)	Advanced Radiographic Pathology
MRTY5033 (18523X)	Breast Imaging I
MRTY5034 (18524X)	Breast Imaging II
MRTY5035 (18525X)	Breast Imaging III
MRTY5037 (18527X)	Clinical Pharmacology for Allied Health Practitioners
MRTY5039 (18529X)	CT Applications
MRTY5040(18530X)	CT Practice I
MRTY5041 (18531X)	CT Practice II
MRTY5042 (18532X)	Digital Communications in Medical Radiations
MRTY5043 (18533X)	Directed Studies A
MRTY5044 (18534X)	Directed Studies B
MRTY5045 (18535X)	Directed Studies C
MRTY5048 (18538X)	Image Interpretation ²
MRTY5055 (18545X)	Introduction to Functional Neuro-imaging
MRTY5051 (18541X)	MR Theory
MTRY5052(18542X)	MR Applications I
MTRY5053 (18543X)	MR Applications II
MRTY5054 (18544X)	Nuclear Cardiology
MRTY5057 (18547X)	Prevention and Care of Radiation Injury
MRTY5060 (18550X)	Radiation Therapy Treatment Planning Systems
MRTY506I (18551X)	Radiobiology in Radiation Therapy
MRTY5063 (18553X)	511 Kev Imaging

February Semester 2001

MRTY5028 (18518X)	Advanced Image Processing
MRTY5029 (18519X)	Advanced Multiplanar Anatomy
MRTY5031 (18521X)	Applied SPECT
MRTY5032(18522X)	Brachytherapy
MRTY5033 (18523X)	Breast Imaging I
MRTY5038 (18528X)	Diagnostic Imaging for Radiation Therapy
MRTY5040 (18530X)	CT Practice I
MRTY5043 (18533X)	Directed Studies A
MRTY5044 (18534X)	Directed Studies B
MRTY5045 (18535X)	Directed Studies C
MRTY5047 (18537X)	History of Medical Radiations
MRTY5051 (18541X)	MR Theory
MRTY5052(18542X)	MR Applications I
MTRY5053 (18543X)	MR Applications II
MRTY5058 (18548X)	Quality Management in Medical Radiations
MRTY5059(18549X)	Radiation Safety
MRTY5064 (18554X)	Stabilisation and Positioning
MRTY5062 (18552X)	Specialised Skeletal Scintigraphy

July Semester 2001

MRTY5028 (18518X)	Advanced Image Processing ¹
MRTY5029 (18519X)	Advanced Multiplanar Anatomy
MRTY5030 (18520X)	Advanced Radiographic Pathology ²
MTRY5033 (18523X)	Breast Imaging I
MRTY5034(18524X)	Breast Imaging II
MRTY5037 (18527X)	Clinical Pharmacology for Allied Health Practitioners
MRTY5039(18529X)	CT Applications
MRTY5041 (18531X)	CTPracticell

MRTY5042 (18532X)	Digital Communications in Medical Radiations
MRTY5043 (18533X)	Directed Studies A
MRTY5044 (18534X)	Directed Studies B
MRTY5045 (18535X)	Directed Studies C
MRTY5049 (18539X)	Isotope Production
MRTY5050 (18540X)	Medical Radiation Department Design
MRTY5052(18542X)	MR Applications I
MRTY5053 (18543X)	MR Applications II
MRTY505I (1854IX)	MR Theory
MRTY5056 (18546X)	Patient/Practitioner Communication
MRTY5060 (18550X)	Radiation Therapy Treatment Planning Systems
MRTY5066 (18556X)	Theory of Radiation Therapy Planning Calculations
MRTY5063 (18553X)	511 Kev Imaging
	1. Subject to demand.
	2. Subject to confirmation.

Master of Applied Science (Medical Radiation Sciences) by Research

The Master of Applied Science (Medical Radiation Sciences) course is a research degree. The course is designed to provide an opportunity for research and scholarship in medical radiation sciences and aims to prepare individuals to pursue their career objectives as specialist practitioners, administrators, academics, or researchers.

Admission requirements

Applicants may enter the research master's program with any of the following requirements:

- i) A bachelor's degree in an appropriate discipline from an Australian tertiary institution; or
- ii) A bachelor's degree in an appropriate discipline from an overseas institution equivalent to an Australian bachelor's degree; or
- iii) A Diploma of Applied Science and a Graduate Diploma of Ultrasound.

A student entering through either (i), (ii) or (iii) must also additionally be able to demonstrate a capacity to pursue graduate studies and would normally have completed a minimum of twelve months professionally relevant post graduate experience. Applicants in the above categories, particularly for students entering through section (iii), may be required to complete a qualifying course program.

Time limits

The standard course comprises a research elective and a research thesis. The minimum length of course for most students is two years full-time or three years part-time. Students who enter the course with adequate research preparation may be exempt from completing the Research elective. Usually these students would have completed an approved bachelor degree program at honours level. The minimum length of the course for such students is one year full-time or two years part-time.

Course outline

The course outline for the Master of Applied Science (Medical Radiation Sciences) by Research is presented in Table 11.7.

Table 11.7: Master of Applied Science (Medical IRadiation Sciences) by Research

This table refers to the standard program for full-time pass entry students; the program may alter depending on the entry level of the student.

Unit code	(old code)	Unit name	Sem 1	Sem 2
Course code Mode of offer (for pass entry level students)				
1829		Special program (for master's qualifying students)		
1836		Special program (for master's qualifying students)		
1827		Full-time; minimum 2 years		
1828		Part-time; minimum 3 years		
Full-time mode				
Year 1				
		Research Elective ¹	6	
MRTY6004	(18503A)	Research Thesis	-	
MRTY6005	(18503B)	Research Thesis	-	
Year 2 (and subsequent years)				
MRTY6006	(18503C)	Research Thesis	-	
MRTY6007	(18503D)	Research Thesis	-	
Part-time mode				
Year 1				
		Research Elective ¹	6	
MRTY6008	(18503E)	Research Thesis		-
MRTY6009	(18503F)	Research Thesis	-	
Year 2 (and subsequent years)				
MRTY6010	(18503G)	Research Thesis	-	
MRTY6009	(18503F)	Research Thesis	-	

Notes to Table 11.7

1. Research Elective: students select an appropriate unit (subject to sufficient student numbers) in consultation with their supervisors. For a list of suggested Research Electives see Chapter 17.

Units of study

MRTY5063 511 KEV Imaging

Old code 18553X. 6 credit points

Offered: July.

With the advent of hybrid Single Photon Emission Tomography (SPECT) / Positron Emission Tomography (PET) gamma cameras there is a need to understand the underlying principles of coincidence imaging and PET radiopharmaceuticals. This subject will examine the safety issues related to the handling of PET isotopes and patient imaging. Instrumentation and imaging principles will be examined, and applications of FDG imaging within the nuclear medicine department will be included. This unit will be presented in a series of distant education modules that will be supported by on-line internet discussion groups.

MRTY 5073 Abdominal Sonography

Old code 18563X. 6 credit points

This unit examines in detail sonography of the soft tissues of the upper abdomen and the male pelvis. Distance learning modules are the primary resource and are combined with on-campus block lectures and tutorials.

MRTY 5028 Advanced Image Processing

Old code 18518X. 6 credit points

Offered: February, July.

This unit of study will deal with advanced image processing techniques including procedures relevant to imaging equipment used in diagnostic radiography, nuclear medicine technology, radiation therapy, sonography, and research in these areas. Current progress in areas such as CAD and multidimensional image processing will be addressed. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. There may be an optional residential workshop. The unit will run in semester one or two depending on demand.

MRTY 5087 Advanced MR Theory

Old code 18577S. 6 credit points

Offered: July.

This unit of study is designed to articulate with the unit 18541X MR Theory, and expand the practitioner's understanding of the principles of: flow and MRA, contrast enhanced MRA, perfusion imaging, BOLDfMRI, diffusion-weighted imaging and MRS. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have regular and constant access to a magnetic resonance imaging site. The delivery will be in distance education mode and will utilise a wide range of media, including printed material, CD ROM and floppy discs.

MRTY 5029 Advanced Multiplanar Anatomy

Old code 18519X. 6 credit points

Offered: February, July.

Detailed anatomy of the central nervous system, musculoskeletal system and vascular systems of the thorax and abdomen is presented in this subject. The practical component involves interpretation of appropriate computerised images as well as hard copy. The advantage of specific modalities and planes with respect to the demonstration of specific pathologies will be discussed. While this subject is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no residential school.

MRTY 5030 Advanced Radiographic Pathology

Old code 18520X. 6 credit points

Offered: July.

This unit of study will enhance the image interpretation and critiquing skills utilised by the diagnostic radiographer. The unit of study will comprise a compulsory introductory pathology module and choice from the following elective sub-units: central nervous system (2 sub-units), genitourinary (1 sub-unit), gastrointestinal (1 sub-unit), skeletal (1 sub-unit) and chest and car-

diac (2 sub-units). The student will be required to complete the compulsory pathology module and choose four of the elective sub-units. This subject will be presented in a series of distance education modules that will be supported by online Internet discussion groups. The assessment will be tailored to the clinical needs of individual students.

MRTY 5031 Applied SPECT

Old code 18521X. 6 credit points

NB: Not offered in 2000.

This unit is designed to optimise the single photon emission computer tomography (SPECT) expertise of practitioners. It focuses on SPECT acquisition, quality control and reconstruction. The subject will provide a deeper understanding of the principles, techniques and application of SPECT and will clarify the student's understanding of the role of SPECT in clinical diagnosis. The subject will be offered in distance education mode with full Internet support.

BIOS 5047 Biological Sciences

Old code 11454X. 4 credit points

Dr Laurette Batmanian, (02) 9351 9322

Offered: February. Classes: external/distance mode. **Assessment:** Written examination, assignment, group participation and case reports.

This unit examines the general principles and mechanisms of the pathology of diseases which may be encountered in the practice of general sonography. It also covers basic embryological development.

MRTY 5032 Brachytherapy

Old code 18522X. 6 credit points

NB: Not offered in 2000.

In this unit, students are given a broad introduction to the field of brachytherapy. The theory and equipment aspects are discussed, then a case study approach is used to demonstrate the advantages and disadvantages of the major modes of brachytherapy, including intracavitary, interstitial and interluminal treatment. The equipment, radiobiological and calculation aspects of these treatment modes will be covered. Students will be expected to gain practical experience on a brachytherapy system in their workplace.

MRTY 5033 Breast Imaging I

Old code 18523X. 6 credit points

Offered: February, July.

This unit of study comprises three modules incorporating the context of mammography, technical expertise and client and radiographer satisfaction in mammography. Breast imaging I will be delivered in distance education mode with one on-campus residential workshop.

MRTY 5034 Breast imaging II

Old code 18524X. 6 credit points

Offered: February, July.

This unit of study expands and extends the material presented in Breast Imaging I. As well, the role of advanced technologies in breast imaging such as MRI and nuclear medicine, will be discussed. Breast imaging II will be delivered in distance education mode with an optional workshop.

MRTY 5035 Breast Imaging III

Old code 18525X. 6 credit points

Offered: July.

This unit completes the three units in breast imaging. Breast ultrasound as an imaging modality is covered in depth with emphasis on its role in the diagnosis of breast cancer. While this unit is not designed to produce a qualified breast sonographer, it is valuable to mammography as a complementary imaging method. The fundamental physical theory of ultrasound and its applications to ultrasound of the breast will be examined. The roles of computer aided diagnosis and digital imaging in mammography are also discussed. Study of the psychology of mammography, which was introduced in Breast Imaging I, will be extended further. This unit will be delivered in distance education mode with no requirement for attendance on-campus, but if there are

sufficient numbers and interest a breast ultrasound workshop will be arranged.

MRTY 5075 Cardiac Measurement Techniques

Old code 18565X. 6 credit points

This unit covers cardiac physiological measurement techniques used in clinical settings. This unit of study will require evening on-campus attendances in 2000.

MRTY 5070 Cardiac Sonography

Old code 18560X. 6 credit points

NB: Offered in February 2001.

This unit examines sonography of the adult heart in detail, and introduces paediatric echocardiography and congenital conditions encountered in adult practice. In addition, some complementary techniques used in cardiac diagnosis and care are presented.

MRTY 5036 Chemistry for Radiopharmacy

Old code 18526X. 6 credit points

Offered: July.

This unit is designed to increase the theoretical and practical knowledge of basic and specific chemistry for technologists working in radiopharmacy. The aim is to extend the knowledge base to encourage confidence in the preparation, handling and use of solutions and solvents as well as the use of chemical separation methods. Chemistry specific to radiolabelling of ligands will also be discussed as well as laboratory specifications for the safe use and storage of chemicals. The subject will be offered in distance education mode supported by on-line discussion groups. An optional residential workshop will be available at no extra cost. The workshop will also run as a stand alone continuing education program for practitioners not enrolled in this subject.

MRTY 5037 Clinical Pharmacology for Allied Health Practitioners

Old code 18527X. 6 credit points

Offered: February.

This unit of study is designed for those interested in increasing their knowledge of the use of therapeutic pharmaceuticals for the treatment of disease. The unit will examine the basis for the pharmaceutical treatment of major disease states including pharmacologic action, clinical indications and contra-indications. It will focus on patient response to pharmaceuticals, in particular the potential for drug interactions in patients taking multiple medication. The unit will include one compulsory introductory pharmacology sub-unit plus a total of 4 sub-units from the following: cardiac pharmaceuticals (2 sub-units), pharmaceuticals used in cancer (1 sub-unit), CNS pharmaceuticals (2 sub-units), anti-infective pharmaceuticals (1 sub-unit), anti-inflammatory pharmaceuticals (1 sub-unit), opiate and other analgesics (1 sub-unit). The subject will be presented in a series of distance education modules that will be supported by online Internet discussion groups. Assessment will be tailored to clinical needs of individual students.

MRTY 5078 Clinical Practice in Abdominal Sonography

Old code 18568X. 4 credit points

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Abdominal Sonography (MRTY 5073).

MRTY 5082 Clinical Practice in Cardiac Measurement Techniques

Old code 18572X. 4 credit points

This unit covers the application of cardiac measurement techniques in the clinical environment, in order for the student to develop skills as taught in Cardiac Measurement Techniques (MRTY 5075).

MRTY 5083 Clinical Practice in Cardiac Sonography

Old code 18573X. 4 credit points

This unit covers the application of cardiac sonography in the clinical environment, in order for the student to develop skills as taught in Cardiac Sonography (MRTY 5070)

MRTY 5085 Clinical Practice in Independent Study

Old code 18575X. 4 credit points

This unit covers the application of an investigation of sonographic practice in the clinical environment, in order for the student to develop skills as taught in Independent Study in Sonography (MRTY 5072).

MRTY 5079 Clinical Practice in Obstetric and Gynaecological Sonography

Old code 18569X. 4 credit points

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Sonography in Obstetrics and Gynaecology (MRTY 5069).

MRTY 5084 Clinical Practice in Paediatric Sonography

Old code 18574X. 4 credit points

This unit covers the application of paediatric sonography in the clinical environment, in order for the student to develop skills as taught in Paediatric Sonography (MRTY 5076).

MRTY 5080 Clinical Practice in Superficial Structures Sonography

Old code 18570X. 4 credit points

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Superficial Structures Sonography (MRTY 5074).

MRTY 5081 Clinical Practice in Vascular Sonography

Old code 18571X. 4 credit points

This unit covers the application of vascular sonography in the clinical environment, in order for the student to develop skills as taught in Vascular Sonography (MRTY 5071).

BACH 5085 Clinical Teaching and Supervision

Old code 25533/25533X. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: February. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

MRTY 5039 CT Applications

Old code 18529X. 6 credit points

Offered: July.

This unit covers the application of CT in the clinical environment, in order for students to develop and extend the theoretical skills acquired in CT Practice I and CT practice II. The main learning activity in this unit of study is a small directed research project.

MRTY 5040 CT Practice I

Old code 18530X. 6 credit points

Offered: February, July.

CT Practice I includes both helical and conventional computed tomography. The unit of study looks briefly at the historical development and physics of CT. The variables controlled by the radiographer are discussed with particular emphasis on the effect these parameters have on the resultant scan. A thorough understanding of these effects is essential if the radiographer is to obtain optimal images when scanning. Recording of the images obtained is discussed, with the rationale for the settings used and the reconstructions routinely performed. These basic concepts lead to the development of possible protocols for the CT scans most commonly ordered. Areas covered will include brain, thorax and abdomen. The unit will look critically at the choice of parameters for these protocols and situations when the parameters may need to be varied in order to obtain optimal images. Protocols will include patient booking, preparation, con-

trast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice I is offered in distance education mode with Internet support. There will be no residentials. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

MRTY5041 CT Practice II

Old code 18531X. 6 credit points

Offered: February, July.

CT Practice II includes specialist CT examinations such as dental CT, QCT and 3D CT applications including angiography. This unit of study does not cover CT anatomy in depth. The basic physics of these CT applications will be covered in this unit. The unit will look critically at the choice of parameters for these examinations and situations when the parameters may need to be varied in order to complete an optimal examination. Protocols for these examinations will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice II is offered in distance education mode. Content for this unit of study will be provided by professionals currently involved in specialist CT areas. Access to a CT scanner performing at least one of the specialist functions is advisable.

MRTY 5024 Current Issues in Medical Radiations

Old code 18515X. 6 credit points

Offered: February.

This unit of study is designed to facilitate learning through discussion of current issues of interest to practitioners working in the field of medical radiation science. Journal articles which reflect topical debates will be studied. A number of learning strategies will be used including distance education, group discussions, written presentations and teleconferencing. Students will be encouraged to discuss relevant articles both from their own area of practice and from other modalities within the field of medical radiations.

MRTY 5038 Diagnostic Imaging for Radiation Therapy

Old code 18528X. 6 credit points

Offered: February.

This unit provides the non-medical-imaging practitioner with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed. The unit will be presented in a series of distance education modules with on-line discussion groups.

MRTY 5042 Digital Communications in Medical Radiation Sciences

Old code 18532X. 6 credit points

Offered: July.

This unit of study provides students with an understanding of digital image fundamentals, such as image acquisition, storage and transmission and implications on image quality and dose. Management and the communication systems needed to facilitate patient care procedures will be examined, including PACS, DICOM, RIS, tele-radiology and record and verify systems. This unit also provides the student with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation department.

MRTY 5043 Directed Studies A

Old code 18533X. 6 credit points

Offered: February, July.

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development

and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies B or C must first complete Directed Studies A.

MRTY 5044 Directed Studies B

Old code 18534X. 6 credit points

Offered: February, July.

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies B must first complete Directed Studies A.

MRTY 5045 Directed Studies C

Old code 18535X. 6 credit points

Offered: February, July.

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies C must first complete Directed Studies A.

BACH 5298 History and Philosophy of Scientific Methodology

Old code 25594. 6 credit points

Offered: February, July.

This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.

MRTY 5047 History of Medical Radiations

Old code 18537X. 6 credit points

NB: Not offered in 2000.

The study of history provides the opportunity to learn and understand the strengths and mistakes of the past and to plan for improving the future. Medical radiations has a history in excess of 100 years and most would agree the technology will continue to change indefinitely. Despite this technological progress the medical radiation profession is still developing its standing in

the health industry. The subject, 'History of Medical Radiations' aims to provide an insight into the past with a view to empowering the future. The subject will develop research and writing skills through the study of areas such as early radiation discovery, the dominance of radiologists, the rise and future of the nuclear debate, medical radiation education and independent private practice. The subject will be offered in off-campus mode supported by on-line discussion groups.

MRTY 5048 Image Interpretation

Old code 18538X. 6 credit points

Offered: July.

NB: Subject to confirmation.

This unit of study will provide the student with image appreciation skills and knowledge of radiological indicators which identify basic radiographic pathology. The unit will introduce students to the Red Dot System and they will therefore require access to radiological reporting sessions and a radiologist as a mentor.

MRTY 5072 Independent Study in Sonography

Old code 18562X. 6 credit points

This unit will allow students to engage in an investigation of sonographic practice not covered by the existing units of study and will require a learning contract negotiated between the student and staff. While regular communication with the nominated supervisor will be required, on-campus attendance is not necessary.

MRTY 5055 Introduction to Functional Neuro-imaging

Old code.18545X. 6 credit points

Offered: July.

Neuro-imaging techniques such as positron emission tomography (PET), functional magnetic resonance imaging (fMRI), single photon emission computed tomography (SPECT), electroencephalography (EEG), magnetic resonance spectroscopy, (MRS), event related potentials (ERP) and magnetoencephalography (MEG) are used to map functional areas of the brain. While these techniques are frequently cited across a range of disciplines including; neurology, psychiatry, speech pathology, radiography, radiology, nuclear medicine and neuropsychology, many practitioners have only a vague understanding of the principles and applications of these techniques. This is understandable as functional brain mapping uses complex technology that is constantly changing. This unit of study aims: (a) to introduce practitioners to the principles and complementary applications of these techniques and (b) to develop practical understanding of specific brain mapping issues such as paradigm design, patient interaction and image coregistration. The unit will be offered in distance education mode.

MRTY 5086 Investigative Project

Old code 18576X. 8 credit points

This unit provides the student with the opportunity to undertake a supervised project. This will consist of either a substantial literature review and critique on a topic of interest to the student from the student's major field, or a research oriented project in which the student may carry out a small pilot study aiming towards the development of a research proposal for a future Master's (Research) or PhD project. This unit of study can be facilitated on or off campus.

MRTY 5049 Isotope Production

Old code 18539X. 6 credit points

NB: Not offered in 2000.

The aim of this unit is to acquaint the student with the physical principles and techniques of isotope production. Students will be able to clarify their understanding about QC and safe handling of radioisotopes. It will focus on advanced understanding of nuclear reactor, cyclotron and other particle accelerators for isotope production. Emphasis will be given to production of positron emitters for PET study. This course will highlight the application of recently developed radionuclides for radioimmunotherapy and diagnostic purposes using SPECT and PET facilities.

This subject will be offered in distance education mode, with full internet support.

MRTY 5050 Medical Radiation Department Design

Old code 18540X. 6 credit points

NB: Not offered in 2000.

This unit of study provides students with the opportunity to examine the physical structure of departmental design. Occupational health and safety issues for staff and patients will be examined. The unit will be presented in distance education format, and students will be expected to relate the theory to their own workplace.

MRTY 5052 MR Applications I

Old code 18530X. 6 credit points

Offered: February, July.

This unit will study the applications and protocols of MR imaging in the central nervous system. The assessment in this unit will be by submission of clinical assignments and a clinical portfolio, so students will need access to a MRI unit. There will be no residential school.

MRTY 5053 MR Applications II

Old code 18531X. 6 credit points

Offered: February, July.

This unit will study the applications and protocols of MR imaging in the body and musculoskeletal system. The assessment in this unit will be by submission of clinical assignments and a clinical portfolio, so students will need access to a MRI unit. There will be no residential school.

MRTY 5051 MRTheory

Old code 18541X. 6 credit points

Offered: February, July.

This unit addresses the principles of magnetic resonance imaging. The areas addressed will be the principles of NMR, image contrast, factors affecting image formation, plus pulse sequences used from Spin Echo through to current fast imaging and Echo Planar techniques. The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio, fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be included in this subject. Delivery will be in distance education mode and will utilise a wide range of media, including floppy disks (IBM compatible) and printed material. The subject will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. Aresidential workshop can be negotiated.

MRTY 5054 Nuclear Cardiology

Old code 18544X. 6 credit points

Offered: July.

This unit will examine advances in nuclear cardiology. Topics to be included are: technetium myocardial perfusion agents, radiopharmaceutical preparation and quality assurance, SPECT and Gated SPECT acquisition and analysis, First pass acquisition for ejection fraction. Instrumentation and attenuation correction will be a considered. A major focus of the subject will be research into new radiopharmaceuticals and techniques used in nuclear cardiology. This subject will be presented in a series of distant education modules that will be supported by on-line internet discussion groups.

MRTY 5076 Paediatric Sonography

Old code 18566X. 6 credit points

NB: Offered in February 2001.

This unit covers general sonography as applied to the paediatric patient, including patient care and studies unique to the paediatric population. This unit will be facilitated in distance education mode with optional on-campus tutorials provided, subject to demand.

MRTY 5056 Patient/Practitioner Communication

Old code 18546X. 6 credit points

NB: Not offered in 2000.

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more

effective at giving and receiving information when interacting with the patient. Listening skills will be taught with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes will be used to provide practical examples for student study.

MRTY 5088 Physics & Instrumentation I

Old code 18578X. 6 credit points

Offered: February.

This unit presents the basic physical principles and instrumentation of diagnostic ultrasound. It includes methods of image production, interpretation, recording techniques, the principles of grey scale echography and adjustment procedures for relevant operation controls. The unit also covers the recognition of artefacts within an image and the ability to separate these artefacts from anatomy or disease. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

MRTY 5068 Physics and Instrumentation II

Old code 18558X. 4 credit points

This unit builds on the physical principles and instrumentation of diagnostic ultrasound presented in Physics and Instrumentation I. It covers areas such as Doppler, colour flow imaging, quality assurance programs for instrumentation, the interaction of ultrasound and biological tissue and the possible biological effects which may occur, and the principles of image formation and processing as applied in ultrasound instrumentation. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

MRTY 5057 Prevention and Care of Radiation Injury

Old code 18547X. 6 credit points

Offered: July.

This unit extends the radiation therapist's knowledge of the radiation injuries commonly seen in a radiation oncology department. The mechanism of injury is examined, and methods of dealing with radiation therapy sequelae are addressed. Content includes physiology of radiation injury, including erythema, gastro-intestinal complications and haematopoietic complications, pharmacology for radiation injury, and wound healing and dressings. The subject will be presented in distance education mode, with no residential school.

MRTY 5067 Professional Issues

Old code 18557X. 4 credit points

This unit introduces students to medico-legal and patient relationship issues which may be encountered in the field of sonography. It also introduces students to the ethical principles required in order to develop an understanding of professionally accepted behaviours and standards appropriate to the practice of medical sonography within the broad context of the delivery of health care. Modules are offered for study in distance mode. These are combined with discussion of the issues presented, at an on-campus block.

MRTY 5058 Quality Management in Medical Radiations

Old code 18548X. 6 credit points

NB: Not offered in 2000.

Quality management has become an important part of the operation of the medical radiations department. A well-developed quality assurance program can provide confidence that the intended quality is being achieved and maintained. This unit of study presents the theory of quality management and relates it to the day-to-day operations of the medical radiations department. Examples will be presented from the fields of radiography, nuclear medicine and radiation therapy, and students will have the opportunity to design or critique their own quality management system. The unit will be presented in distance learning mode supported by on-line discussion groups.

MRTY 5059 Radiation Safety

Old code 18549X. 6 credit points

NB: Not offered in 2000.

This unit of study provides participants with a detailed coverage of radiological health and safety issues including both ionising and non-ionising radiations. The unit is particularly concerned with all aspects of radiation safety in the medical environment but will include a broader understanding of the relevance of radiation safety principles and a comprehensive appraisal of legal responsibilities. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. There may be an optional residential workshop.

MRTY 5060 Radiation Therapy Treatment Planning Systems

Old code 18550X. 6 credit points

Offered: July.

This unit of study provides the radiation therapist with an understanding of the functional features of and differences between two and three dimensional treatment planning systems. The image processing tools available on treatment planning systems will be described and an overview of dose computation methods will be presented. Emphasis is placed on the visualisation methods available on 3D planning systems. These methods are described and their potential advantages and limitations are discussed. Students will be given the opportunity to investigate the application and impact of 3D treatment planning on clinical practice. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

MRTY 5061 Radiobiology in Radiation Therapy

Old code 18551X. 6 credit points

Offered: July.

This unit of study is an in depth study of the radiobiological issues concerning radiation therapy. The basic radiobiology of normal tissue and tumours will be addressed. In the light of time, dose and volume models, radiation therapy treatment optimisation will be discussed. Special consideration will be given to treatment strategies and schedules. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. There may be an optional residential workshop.

MRTY 6004 Research Thesis

Old code 18503A.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6005 Research Thesis

Old code 18503B.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6006 Research Thesis

Old code 18503C.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6007 Research Thesis

Old code 18503D.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will

necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6008 Research Thesis

Old code 18503E.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6009 Research Thesis

Old code 18503F.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6010 Research Thesis

Old code 18503G.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 5069 Sonography in Obstetrics and Gynaecology

Old code 18559X. 6 credit points

This unit examines in detail sonography of soft tissues in the female pelvis and in obstetrics. Distance learning modules are the primary resource and are combined with on-campus block lectures and tutorials.

MRTY 5062 Specialised Skeletal Scintigraphy

Old code 18552X. 6 credit points

NB: Not offered in 2000.

This unit aims to extend the learning and clinical ability of graduate students in best practice contemporary skeletal nuclear medicine. The subject will be presented in two major modules. The first module focuses on the relationship between expert scintigraphic positioning and radiological positioning in enhancing diagnosis. In the second module the best practice theme is further developed through the study of nuclear medicine in sport. The subject then moves on to the study of a number of smaller modules in specialised applications of skeletal nuclear medicine including paediatrics and bone mineral densitometry. The subject will be offered in distance education mode, with full Internet support. An optional residential workshop may be available mid-semester at no extra cost.

MRTY 5064 Stabilisation and Positioning

Old code 18554X. 6 credit points

Offered: February.

This unit covers in detail the latest research into stabilisation and positioning of the radiation therapy patient. Detection of patient and organ movement, the differences between stability and reproducibility, and random and systematic errors are investigated. Students will select a particular stabilisation or positioning problem and investigate ways of addressing the problem. This subject will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

MRTY 5074 Superficial Structures Sonography

Old code 18564X. 6 credit points

This unit examines in detail sonography applied to superficial organs and structures, including basic peripheral vascular and musculoskeletal sonography. Distance learning modules are the primary resource and are combined with on-campus block lectures and tutorials.

MRTY 5066 Theory of Radiation Therapy Planning Calculations

Old code 18556X. 6 credit points

Offered: February.

This unit of study provides students with an in-depth study of radiation therapy planning calculation methods. An appreciation of the relevance of manual calculations and their methods (basic monitor unit calculations) will be established before embarking on a study of traditional correction-based and contemporary model-based algorithms. The unit will conclude with a reflection on the philosophy of radiation treatment planning approaches in the light of current trends towards treatment optimisation and inverse planning. The module will be offered in distance mode which will be supported by on-line internet discussion groups. There may be an optional residential workshop.

MRTY 5071 Vascular Sonography

Old code 18561X. 6 credit points

NB: Offered in February 2001.

This unit of study provides students with an understanding of both non-invasive and sonographic methods of detection of vascular disease processes.

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 graduate's 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 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 9210.

Graduate Certificate of Health Science (Occupational Therapy)

The Graduate Certificate of Health Science (Occupational Therapy) is a fee paying course which is designed to provide specific professional development for occupational therapists who wish to extend the knowledge, skills and attitude required by their professional roles of Practitioner and Learner/Teacher.

Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 75 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course manager with approval of the Head of School. Units of study in the Graduate Certificate are embedded in the Master's by Coursework and may be credited against the requirements of this program.

Course outline

The course outline for the Graduate Certificate of Health Science (Occupational Therapy) is presented in Table 12.1.

Table 12.1: Graduate Certificate of Health Science (Occupational Therapy)

Course code	Mode of offer			
1544	Full time (1 semester)			
1545	Part time (2 semesters)			
1546	Off-campus (2 semesters)			
Credit points: 24				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
	15P24A	8 Professional Practice topics (3 credit points each)	24	
	15G24A	Choose a total of 24 credit points from the following topics/electives		
Part-time mode				
	15P24A	4 Professional Practice topics (3 credit points each)	12	12
	15G24A	Choose a total of 24 credit points from the following topics/electives		
Topics/electives				
Topics in Theory	see A under Master of Health Science (Occupational Therapy) by Coursework			
Topics in Research	see B under Master of Health Science (Occupational Therapy) by Coursework			
Professional Practice topics	see C under Master of Health Science (Occupational Therapy) by Coursework			
Faculty electives	see Chapter 17			

Master of Health Science (Occupational Therapy) by coursework

The Master of Health Science (Occupational Therapy) course is designed to provide study in occupational therapy and related topics appropriate for leadership roles in clinical practice.

Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 50 percent of credit points are completed in an identified topic

area. These topic areas are negotiated between the student and course manager with approval of the Head of School.

The course has both coursework and inquiry project options for units of study. Students may seek to have work completed in the Master of Health Science (Occupational Therapy) credited against the requirements of professional doctorate (HScD) offered by the Faculty.

Candidates in the MHLthSc(OT) who have received 65 percent Credit or better in all units of study and a 75 percent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation.

Table 12.2: Master of Health Science (Occupational Therapy) by coursework

Course code	Mode of offer	Course code	Mode of offer		
1547	Full time, 1 year	1550	Full-time Honours, 1.5 years		
1548	Part time, 2 years	1551	Part-time Honours, 2.5 years		
1549	Off Campus, 2 years	1552	Off Campus Honours, 2.5 years		
Credit points for 1547/1548/1549: 48		Credit points for 1550/1551/1552: 60			
Unit code	(old code)	Unit name	Sem 1	Sem 2	
Full-time mode					
Year 1					
	15G61A	Topics in Theory	6	or	6
	15G61B	Topics in Research	6	or	6
	15P36A	Professional Practice Topics	12	or	12
Stage total (48 credit points for Year 1)			24		24
Year 2 Honours					
OCCP5136	(15570)	Dissertation	12		
Stage total (12 credit points for Year 2)			12		
Part-time mode					
Year 1					
	(15G61A)	Topics in Theory	6	or	6
	(15G61B)	Topics in Research	6	or	6
	(15P12B)	Professional Practice Topics			12
Stage total (24 credit points for Year 1)			12		12
Year 2					
	(15P24A)	Professional Practice Topics	12		12
Stage total (24 credit points for Year 2)			12		12
Year 3 Honours					
OCCP5136	(15570)	Dissertation	12		
Stage total (12 credit points for Year 3)			12		

The MHLthSc(OT) consists of three topic areas from which participants select specific units of study: Topics on Theory, Topics in Research and Professional Practice Topics. Participants are required to complete a minimum of 6 credits from Topics in Theory and a minimum of 6 credits from Topics in Research. Specific units of study contained in these topic areas are described below.

- A. Topics in Theory: minimum 6 credits
- B. Topics in Research: minimum 6 credits
- C. Professional Practice Topics:
 1. Topics in Assessment
 2. Topics in Service Delivery
 3. Topics in Enhancing Human Occupation
 4. Inquiry Topics.

A. 15G61A Topics in Theory

3 credit points each

OCCP5104 (15538)	Understanding Health Science Theory
OCCP5105 (15539)	Theory Application 1
OCCP5106 (15540)	Theory Application 2
OCCP5107 (15541)	Theory Application 3
OCCP5108 (15542)	Theory Application 4
OOE61A	Existing Faculty and other electives

B. 15G61B Topics in Research

6 credit points each

OCCP5100(15449X)	Research & Inquiry in Occupational Therapy
OCCP6008 (15502)	Research Methods & Design for Therapists
OCCP5064 (15501)	Single Systems Research Design and Evaluation Methods
OCCP5068 (15506)	Program Evaluation
OOR61A	Existing Faculty and other research electives
OOE61A	Faculty and other electives

C. 15G12A/15G12B/15G24B Professional Practice Topics

Professional Practice Topics are divided into four broad topic areas:

- Topics in Assessment
- Topics in Service Delivery
- Topics in Enhancing Human Occupation
- Inquiry Topics/Projects.

Participants are required to complete a minimum of 36 credit points from Professional Practice Topics but there are no minimum credit requirements from these four broad topic areas.

1. Topics in Assessment

3 credit points each

OCCP5109 (15543)	Assessment Principles*
OCCP5110 (15544)	Tests & Measures of Human Behaviour 1
OCCP5111 (15545)	Tests & Measures of Human Behaviour 2
OCCP5112 (15546)	Tests & Measures of Human Behaviour 3
OCCP5113(15547)	Tests & Measures of Human Behaviour 4

*Prerequisite required for any of the above Topics

OCCP5051 (15488X)	Environmental Measurement (6 cp)
OOE61A	Existing Faculty and other electives

2. Topics in Service Delivery

OCCP5114(15548)	Occupational Therapy in Service Delivery Systems (3 cp)*
OCCP5115 (15549)	Implementation of OT in Service Delivery Systems 1 (3 cp)
OCCP5116 (15550)	Implementation of OT in Service Delivery Systems 2 (3 cp)
OCCP5117(15551)	Implementation of OT in Service Delivery Systems 3 (3 cp)
OCCP5118(15552)	Implementation of OT in Service Delivery Systems 4 (3 cp)

Prerequisite required for any of the above four Topics

OCCP5119 (15553)	Community Based Practice (3 cp)*
OCCP5120 (15554)	Community-Based Practice in a Developed Country Context (3 cp)
OCCP5121 (15555)	Community-Based Practice in a Developing Country Context (3 cp)

Prerequisite required for either of the above two Topics

OCCP5033 (15459)	Managing Occupational Therapy Services (6cp)
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3. Topics in Enhancing Human Occupation

OCCP5069 (15507)	Family and Community Care (6 cp)
OCCP5053 (15490)	Foundations for Building Modifications (6cp)
OCCP5054 (15491)	Communicating with Builders, Architects and Tradespersons (6 cp)
OCCP5055 (15492)	Drafting using CAD packages (6 cp)
OCCP5043 (15475)	Upper Limb Orthotic Systems (6 cp)
OCCP5122 (15556)	Advanced Communication Techniques (6cp)
OCCP5123 (15557)	Occupations in the Therapeutic Process (6cp)
OCCP5124 (15558)	Culture and Occupational Therapy (6 cp)
OOE61A	Faculty and other electives
OCCP5125 (15559)	Systematic Instruction (3 cp)*
OCCP5126 (15560)	Applied Systematic Instruction (3 cp)
OCCP5127 (15561)	Enhancing Functional Reach (3 cp)
OCCP5128 (15562)	Enhancing Hand Function (3 cp)
OCCP5129 (15563)	Enhancing Trunk and Body Position for Function (3 cp)

Prerequisite required for any of the above four Topics

OCCP5130(15564)	Occupational Performance and the Inclusive Community (3 cp)
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OCCP5131(15565) Supporting Inclusion (3 cp)

Prerequisite required for any of the above two Topics

4. Inquiry Topics

OCCP5021 (15444)	Inquiry Project (12 cp)
OCCP5132 (15566)	Inquiry Project (12 cp)
OCCP5133 (15567)	Inquiry Topic 1 (6 cp)
OCCP5134 (15568)	Inquiry Topic 2 (6 cp)
OCCP5135 (15569)	Inquiry Topic 3 (6 cp)
OCCP5070 (15508)	Selected Topic 1 (6 cp)
OCCP5071 (15509)	Selected Topic 2 (3 cp)
OCCP5137 (15571)	Selected Topic 3 (3 cp)

Master of Occupational Therapy

The Master of Occupational Therapy is an entry level or professional master's degree offered to applicants who have completed a relevant undergraduate degree. The course is designed to prepare graduates to work as occupational therapists with specific emphasis on the theoretical underpinnings of occupational therapy practice, management theory and practice, knowledge of the health system and health professional roles, and some evaluation/research skill development.

Admission requirements

To qualify for admission applicants shall:

- i) Possess a relevant undergraduate degree (except a degree in occupational therapy) from an institution recognised by the

University of Sydney. Relevance implies that at least 40 percent of the content of the applicant's undergraduate degree shall be relevant to the field of occupational therapy.; and

- ii) Have achieved at least a credit grade average in their undergraduate degree.

For applicants whose undergraduate degree has less than 40 percent relevant content, entry may be possible through successful completion of undergraduate units in areas of relevance.

Course outline

The Course Outline for the Master of Occupational Therapy is presented in Table 12.3.

Table 12.3: Master of Occupational Therapy

Course code	Mode of offer			
1534	Full-time, 4 semesters, 96 credit points			
Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 1</i>				
OCCP5074	(15512)	Problem Identification 1	4	-
OCCP5075	(15513)	Problem Identification 2	-	4
OCCP5076	(15514)	Activity Analysis and Adaption 1	3	-
OCCP5077	(15515)	Activity Analysis and Adaption 2	-	3
OCCP5078	(15516)	Occupational Therapy Intervention 1	4	-
OCCP5079	(15517)	Occupational Therapy Intervention 2	-	4
OCCP5080	(15518)	Evaluation and Research 1	3	-
OCCP5081	(15519)	Evaluation and Research 2	-	3
OCCP5082	(15520)	Professional Management 1	3	-
OCCP5083	(15521)	Professional Management 2	-	3
OCCP5084	(15522)	Professional Presentation 1	3	-
OCCP5085	(15523)	Professional Presentation 2	-	3
		Elective 1*	4	-
		Elective 2*	-	4
Stage total (48 credit points for Year 1)			24	24
<i>Year 2</i>				
OCCP5086	(15524)	Problem Identification in Practice 1	4	-
OCCP5087	(15525)	Problem Identification in Practice 2	-	4
OCCP5088	(15526)	Activity Analysis and Adaption in the Field 1	2	-
OCCP5089	(15527)	Activity Analysis and Adaption in the Field 2	-	2
OCCP5090	(15528)	Occupational Therapy Intervention in Practice 1	4	-
OCCP5091	(15529)	Occupational Therapy Intervention in Practice 2	-	4
OCCP5092	(15530)	Evaluation and Research in the Field 1	4	-
OCCP5093	(15531)	Evaluation and Research in the Field 2	-	4
OCCP5094	(15532)	Professional Management in Practice 1	3	-
OCCP5095	(15533)	Professional Management in Practice 2	-	3
OCCP5096	(15534)	Professional Presentation in Practice 1	3	-
OCCP5097	(15535)	Professional Presentation in Practice 2	-	3
		Elective 3*	4	-
		Elective 4*	-	4
Stage total (48 credit points for Year 2)			24	24

Notes to Table 12.3

Electives taken may vary from 2 to 6 credit points each. The total for electives taken across both years is 16 credit points

Master of Applied Science (Occupational Therapy) by research

The Master of Applied Science in Occupational Therapy by research has an applied research thesis format supplemented with a set of enabling components. The course is designed to provide opportunity for advanced study, critical evaluation, and research in specific areas of occupational therapy. The course may be completed full-time or part-time.

Admission requirements

1. Possess an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or The University of Sydney; or
2. Possess an award of Bachelor of Applied Science (Hons) in Occupational Therapy from The University of Sydney; or
3. Possess an award of Bachelor of Science with a major in Anatomy from The University of New South Wales, and a Graduate Diploma in Occupational Therapy from Cumberland College of Health Sciences; or
4. Possess such qualifications as are deemed equivalent to (1), (2) or (3); or
5. Submit such other evidence of general and/or professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and

6. Have the equivalent of a minimum of one year full-time professional experience since graduation as an occupational therapist.

Occupational therapists without these qualifications may be admitted to candidature for the MAppSc (OT) by Research degree by first enrolling in the MHLthSc (OT) by Coursework degree. Following completion of the equivalent of one semester of part-time enrolment, students may apply to transfer to candidature for the MAppSc (OT) by Research degree.

Course outline

The Course Outline for the Master of Applied Science (Occupational Therapy) by Research is presented in Table 12.4.

Table 12.4: Master of Applied Science (Occupational Therapy) by Research

Course code	Mode of offer			
1512	Special Program (for Masters Qualifying Students)			
1518	Full-time, minimum 2 years			
1511	Part-time, minimum 3 years			
1536	Off-campus, minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
OCCP6004	(15433A)	Research Thesis	—	
OCCP6005	(15433B)	Research Thesis	-	
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
OCCP6004	(15433A)	Research Thesis	—	
OCCP6005	(15433B)	Research Thesis	-	
<i>Notes to Table 12.4</i>				
Enabling units of study are normally required of all students enrolled in OCCP6004 (15433 A) Research Thesis A /OCCP6005 (15433B) Research Thesis B. These units of study include units OCCP6004 (15435) and OCCP5100 (15449), as well as two electives, one of which must be a research elective. These enabling units provide the basis for students to undertake advanced study in specific areas of occupational therapy.				

Units of study

OCCP 5076 Activity Analysis and Adaption 1

Old code 15514. 3 credit points

Offered: February.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

OCCP 5077 Activity Analysis and Adaption 2

Old code 15515. 3 credit points

Offered: July.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

OCCP 5088 Activity Analysis and Adaption in the Field 1

Old code 15526. 2 credit points

Offered: February.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

OCCP 5089 Activity Analysis and Adaption in the Field 2

Old code 15527. 2 credit points

Offered: July.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

OCCP 5122 Advanced Communication Techniques

Old code 15556. 6 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, neurolinguistic, and summarizing techniques will be addressed, with specific reference to their application in enhancing cognitive, intra- and inter-personal components of performance. Experiential learning, learner participation and groupwork are essential modes of learning in this unit

OCCP 5126 Applied Systematic Instruction

Old code 15560. 3 credit points

Participants will design, implement and evaluate specific learning programs that address the functional learning needs of clients in their chosen areas of practice.

OCCP 5109 Assessment Principles

Old code 15543. 3 credit points

Offered: February.

This unit of study explores the general principles governing the use of informal and formal assessment methods used in the health sciences. Discussion topics will include norm-referenced versus criterion referenced instruments, instrument development, validity, reliability, instrument selection, use of instruments for clinical and research purposes. This unit is a prerequisite for OCCP 5110 (15544), OCCP 5111 (15545), OCCP 5112 (15546), OCCP 5113 (15547).

OCCP 5054 Communication with builders, architects and tradesperson

Old code 15491. 6 credit points

Offered: February.

This unit of study explores uniform building terminology and how to decode and package information to facilitate the understanding of the various stakeholders involved. Various models of communication will be explored with emphasis on how to work with others and how to put together building specifications in terms of timing and level of detail. Students will learn what is necessary in terms of informed consent, product liability and legal report writing. Students will explore types of documentation and then audit environmental modification reports within their workplace in terms of best practice. Learning experiences include seminars, problem solving around client cases, videotape analysis of communication sessions and audits of environmental modification reports.

OCCP 5121 Community Practice in a Developing Country Context

Old code 15555. 3 credit points

Students have the opportunity to apply theory to practice with specific emphasis on issues relevant to a community(ies) in a developing country. Students will gain an awareness and understanding of the culture and traditions of community as well as the primary issues identified by community members in a developing country.

OCCP 5120 Community Practice in a Developed Country Context

Old code 15554. 3 credit points

Students can apply theory to practice within the context of their work setting or community within a developed country. Students may utilise their current work setting as their primary area of study.

OCCP 5124 Culture and Occupational Therapy

Old code 15558. 6 credit points

This unit will examine the influence of culture in the practice of occupational therapy. Using case studies and situational analysis, students will examine how cultural factors impact on the decisions and actions of individuals and groups. Cultural issues will be examined from various theoretical perspectives. Students will have the opportunity to participate in exercises that will enhance their cultural competency. Cultural implications of assessment and treatment strategies used in occupational therapy will be explored.

OCCP 5136 Dissertation

Old code 15570.12 credit points

OCCP 5055 Drafting using CAD packages

Old code 15492. 6 credit points

Offered: February, July.

This unit of study focuses on occupational therapy skills in representing changes to the built environment using drawing techniques. Students will examine various computer aided drafting (CAD) packages which can be used to simplify and facilitate representation of problems and potential solutions in building design. Students will learn how to critically select and operate CAD software to produce appropriate plan drawings and front and side elevations. Learning experiences include tutorials, case presentations and problem solving tutorials using CAD software.

OCCP 5127 Enhancing Functional Reach

Old code 15561. 3 credit points

This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose reach is compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for reach. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional methods that enable adults or children to perform the reach patterns required by their occupational performance.

This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

OCCP 5128 Enhancing Hand Function

Old code 15562. 3 credit points

This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose grasp and release has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for grasp and releasing objects. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to perform grasping and releasing patterns that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physician guidance.

OCCP 5129 Enhancing Trunk and Body Position for Function

Old code 15563. 3 credit points

This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose ability to assume and maintain upright body positions has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for functional body positioning. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to assume and maintain upright functional positions that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

OCCP 5051 Environmental Measurement

Old code 15488X. 6 credit points

Offered: July.

This unit of study examines formal and informal tools that have been developed to evaluate the impact of the built environment for persons with disabilities. These tools include checklists and post occupancy evaluation protocols. In addition students will develop skill in correct use and practice with retractable measures, builders levels, stud finders, light meters, and load measures. This will be achieved through practice utilising tools during tutorial sessions as well as practice utilising tools to evaluate buildings within their community. Students will examine the theoretical base, underlying assumptions, strengths, limitations and suitability for use in assessing the built environment. Learning experiences include seminars, tutorials, and videotaped analysis of students using tools.

OCCP 5080 Evaluation and Research 1

Old code 15518. 3 credit points

Offered: February.

Students will learn to evaluate their practice critically and reflectively. They will learn to evaluate and select appropriately from a range of program evaluation methods. They will also learn to be critical consumers of research. Students will develop a preliminary evaluation/research project proposal.

OCCP 5081 Evaluation and Research 2

Old code 15519. 3 credit points

Offered: July.

Students will learn to evaluate their practice critically and reflectively. They will learn to evaluate and select appropriately from a range of program evaluation methods. They will also learn to be critical consumers of research. Students will develop a preliminary evaluation/research project proposal.

OCCP 5092 Evaluation Research in the Field 1

Old code 15530. 4 credit points

Offered: February.

All students will conduct and document an evaluation project under the supervision of an academic and clinical adviser, using knowledge from the first year of this unit to underpin their work. For most students this project will be conducted in a fieldwork setting.

OCCP 5093 Evaluation Research in the Field 2

Old code 15531. 4 credit points

Offered: July.

All students will conduct and document an evaluation project under the supervision of an academic and clinical adviser, using knowledge from the first year of this unit to underpin their work. For most students this project will be conducted in a fieldwork setting.

OCCP 5069 Family and Community Care

Old code 15507. 6 credit points

Offered: July. **Classes:** night classes.

This unit of study examines family and community care within the context of social, economic and political processes and structures. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conducive to the provision of reliable and effective family and community care? Systematic analysis of empirical evidence from the international literature is encouraged to discern varying socio-cultural approaches to family and community care and their application in the Australian context. Research issues covered will include the differing nature of formal and informal care; care giving burden; the neglected dimension of satisfactions of caring; the temporal aspect of care giving; assessing family carers' needs for support and services. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health arena.

OCCP 5053 Foundations for Modifications in Public and Private Buildings

Old code 15490. 6 credit points

Offered: July.

This unit of study examines the expertise that can be acquired via application and interpretation of regulatory standards. Material to be covered will include general principles for design of buildings to enhance access and mobility. Design standards will be examined in relation to their history, assumptions, applicability and research base. Material from America and England will be compared to the Australian Standards 1428 parts 1, 2, 3 and 4. Students will critically evaluate the appropriate application of standards in eliminating access barriers. Learning experiences include seminars, and will include problem solving around client cases.

OCCP 5115 Implementation of Occupational Therapy in Service Delivery Systems 1

Old code 15549. 3 credit points

This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.

OCCP 5116 Implementation of Occupational Therapy in Service Delivery Systems 2

Old code 15550. 3 credit points

This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home,

school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.

OCCP 5117 Implementation of Occupational Therapy in Service Delivery Systems 3

Old code 15551. 3 credit points

This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.

OCCP 5118 Implementation of Occupational Therapy in Service Delivery Systems 4

Old code 15552. 3 credit points

This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.

OCCP 5021 Inquiry Project

Old code 15444. 12 credit points

Offered: February.

The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision.

OCCP 5132 Inquiry Project

Old code 15556. 12 credit points

The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision.

OCCP 5133 Inquiry Topics 1

Old code 15567. 6 credit points

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

OCCP 5134 Inquiry Topics 2

Old code 15568. 6 credit points

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

OCCP 5135 Inquiry Topics 3

Old code 15569. 6 credit points

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

OCCP 5033 Managing Occupational Therapy Services

Old code 15459. 6 credit points

Offered: February, July.

Managing Occupational Therapy Services (6 credits) This unit provides students with opportunity to analyze theories of organizational power distribution and decision-making, and to review current managerial theories and techniques which can be ap-

plied to the planning, organizing, staffing, leading and assuring quality of occupational therapy services. There will be mini-lectures given by the lecturer at the beginning and conclusion of this unit. Students are required to conduct seminars on chosen topics, and to lead discussion afterwards to relate theory to relevant managerial practice.

OCCP 5130 Occupational Performance and the Inclusive Community

Old code 15564. 3 credit points

In this subject participants will identify and analyse the philosophies, principles and practices which underpin functional performance in the inclusive community. This analysis will include an examination of the fundamental functional needs of people requiring support. Existing approaches to the provision of support services will be critically analysed in order to identify the extent to which identified fundamental needs are met. These topics will include the needs of people who are judged by others to have so-called 'high support needs' for a variety of reasons. Learning experiences will include experiential learning exercises, analysis of videotaped and audio-taped records of people receiving support. (This unit is a prerequisite for the following unit)

OCCP 5114 Occupational Therapy in Service Delivery Systems

Old code 15548. 3 credit points

This module of study will give students the opportunity to explore how the structure and function of various institutional and community service delivery systems impact on the nature of occupational therapy practice. Specifically, sociopolitical, physical and historical dimensions of service delivery systems that currently utilise occupational therapy will be examined and related to the types of occupational therapy services that have evolved, including direct intervention, consultation, transdisciplinary and multidisciplinary team intervention, advocacy and education. Although this module focuses on occupational therapy in various service delivery systems, students from other disciplines will find this topic relevant. This unit is a prerequisite for OCCP 5115 (15549), OCCP 5116 (15550), OCCP 5117 (15551), OCCP 5118 (15552).

OCCP 5078 Occupational Therapy Intervention 1

Old code 15516. 4 credit points

Offered: February.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

OCCP 5079 Occupational Therapy Intervention 2

Old code 15517. 4 credit points

Offered: July.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

OCCP 5090 Occupational Therapy Intervention in Practice 1

Old code 15528. 4 credit points

Offered: February.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

OCCP 5091 Occupational Therapy Intervention in Practice 2

Old code 15529. 4 credit points

Offered: July.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

OCCP 5123 Occupations in the Therapeutic Process

Old code 15557. 6 credit points

The purpose of this unit of study is to explore, understand, and apply a theory of practice called 'Grounded Theory of Techniques for Occupational Story Telling and Occupational Story Making' as developed by Clark, Ennevor, & Richardson (1996). These techniques will allow students to explore the process of realizing their conceptions of humans as occupational beings and to examine the role of occupations in the transformation of the self and developing peoples' occupational competence. A background on basic counseling skills is essential. Case studies and client narratives will be used.

OCCP 5074 Problem Identification 1

Old code 15512. 4 credit points

Offered: February.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP 5075 Problem Identification 2

Old code 15513. 4 credit points

Offered: July.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP 5086 Problem Identification in Practice 1

Old code 15524. 4 credit points

Offered: February.

Students will continue to develop their skills in problem identification. Students will continue this Development largely in

fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

OCCP 5087 Problem Identification in Practice 2

Old code 15525. 4 credit points

Offered: July.

Students will continue to develop their skills in problem identification. Students will continue this Development largely in fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

OCCP 5082 Professional Management 1

Old code 15520. 3 credit points

Offered: February.

Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.

OCCP 5083 Professional Management 2

Old code 15521. 3 credit points

Offered: July.

Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.

OCCP 5094 Professional Management in Practice 1

Old code 15532. 3 credit points

Offered: February.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

OCCP 5095 Professional Management in Practice 2

Old code 15533. 3 credit points

Offered: July.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

OCCP 5084 Professional Presentation 1

Old code 15522. 3 credit points

Offered: February.

Students will explore many aspects of presenting both themselves and their ideas as members of the occupational therapy and broader professional community. Areas covered will include appropriate documentation of client outcomes, verbal and written presentation skills appropriate for presenting their ideas and work to their colleagues, clients, other health professionals and students. Emphasis will be placed on the ability to critically articulate the theoretical and practice rationale that underpins occupational therapy practice.

OCCP 5085 Professional Presentation 2

Old code 15523. 3 credit points

Offered: July.

Students will explore many aspects of presenting both themselves and their ideas as members of the occupational therapy and broader professional community. Areas covered will include appropriate documentation of client outcomes, verbal and written presentation skills appropriate for presenting their ideas and work to their colleagues, clients, other health professionals and students. Emphasis will be placed on the ability to critically articulate the theoretical and practice rationale that underpins occupational therapy practice.

OCCP 5096 Professional Presentation in Practice 1

Old code 15534. 3 credit points

Offered: February.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

OCCP 5097 Professional Presentation in Practice 2

Old code 15535. 3 credit points

Offered: July.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

OCCP 5068 Program Evaluation

Old code 15506. 6 credit points

Offered: February.

This unit is designed to introduce participants to many of the issues and practices in evaluation of occupational therapy programs. The context will focus on exploration of issues in occupational therapy program evaluation; developing evaluation questions and design that are realistic within an occupational therapy work environment; examining and critiquing program evaluations that have been completed; application of program evaluation principles to various occupational therapy work environments and development of an evaluation proposal that is based on the evaluation needs of participants.

OCCP 5100 Research and Inquiry in Occupational Therapy

Old code 15449X. 6 credit points

Offered: July. Classes: External/distance mode.

The purpose of this unit is for students to investigate issues in applied research and evaluation in occupational therapy professional practice. The unit addresses historical and contemporary perspectives on research in occupational therapy; common problems for research, inquiry, and evaluation in clinical settings; and knowledge and procedures appropriate for the applied context.

OCCP 6008 Research Design and Methods for Therapists

Old code 15502. 6 credit points

Dr M Fitzgerald, (02) 9351 9216

Offered: February. Classes: day classes.

The purpose of this unit is to explore a variety of research designs, research methods, and related issues appropriate to applied research. The exploration will be accomplished through student led seminar discussions of selected readings and each student will develop a research proposal on a topic of their choice content will include such things as: an overview of appropriate research designs, strengths and weaknesses of a broad selection of designs and methods, reliability and validity, selection of a study population, research ethics, development of research statements and questions, proposal writing, and the use of computers and other technology in research.

OCCP 6005 Research Thesis

Old code 15433B. Offered: July.

In this unit of study, students will investigate a specialised area of interest in occupational therapy under approved supervision. This unit involves regular supervision sessions and students are normally required to undertake a program of advanced study in the following topic areas as enabling components of the research thesis.

- a) Theoretical Issues in Occupational Therapy (15435)
- b) Research and Inquiry Issues in Occupational Therapy (15449).
- c) Research electives. Elective units must include at least one research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.

OCCP 6004 Research Thesis

Old code 15433A. Offered: February.

In this unit of study, students will investigate a specialised area of interest in occupational therapy under approved supervision. This unit involves regular supervision sessions and students are normally required to undertake a program of advanced study in the following topic areas as enabling components of the research thesis.

- a) Theoretical Issues in Occupational Therapy (15435)
- b) Research and Inquiry Issues in Occupational Therapy (15449).
- c) Research electives. Elective units must include at least one research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.

OCCP 5070 Selected Topics 1

Old code 15508. 6 credit points

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off campus to meet (in part) the requirements of this Graduate Certificate of Applied Science. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP 5071 Selected Topics 2

Old code 15509. 3 credit points

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off campus to meet (in part) the requirements of this Graduate Certificate of Applied Science. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP 5137 Selected Topics 3

Old code 15571. 3 credit points

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off campus to meet (in part) the requirements of this Graduate Certificate of Applied Science. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP 5064 Single System Research Design and Evaluation Methods

Old code 15501. 6 credit points

Offered: February.

The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opportunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recording procedures associated with single system designs; basic and advanced designs for single systems evaluation and research; and visual and statistical analysis of single system data.

OCCP5131 Supporting Inclusion

Old code 15565. 3 credit points

In this subject participants will identify and understand the functional support needs of people in order to design, develop and evaluate individually tailored supports in each aspect of daily living. Individualised support mechanisms relevant for promoting interdependent participation at school, at home, at work and other aspects of community life will be critically analysed. Analysis will include the impact of supports on promoting associational life, what is signified by the concept of community, safeguards and protective schemas and conflicting and parallel paradigms associated with the inclusive community. Topics will include but not be limited to a range of inclusive models of service delivery, transdisciplinary teams, family focused intervention, supported living and supported work. Learning experiences will include seminars, experiential learning exercises, evaluations of videotaped material.

OCCP 5125 Systematic Instruction

Old code 15559. 3 credit points

This subject allows participants to design and implement instructional programs which address the fundamental functional learning needs of people with whom they work using advanced instructional technology. Participants will assess functional learning needs in order to develop and apply individually tailored instructional strategies relevant to functional performance contexts with complementary data based evaluation tools. Learning experiences will include analysis of the complexity of functional needs and instructional scenarios using videotaped applications of instructional technology. (This unit is a prerequisite for the following four units)

OCCP 5110 Tests and Measures of Human Behaviour 1

Old code 15544. 3 credit points

Offered: February.

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

OCCP 5111 Tests and Measures of Human Behaviour 2

Old code 15545. 3 credit points

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

OCCP 5112 Tests and Measures of Human Behaviour 3

Old code 15546. 3 credit points

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the

chosen assessment mode through practice and use within their workplace.

OCCP 5113 Tests and Measures of Human Behaviour 4

Old code 15547. 3 credit points

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

OCCP 5105 Theory Application 1

Old code 15539. 3 credit points

Offered: February.

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5106 Theory Application 2

Old code 15540. 3 credit points

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5107 Theory Application 3

Old code 15541. 3 credit points

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5108 Theory Application 4

Old code 15542. 3 credit points

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5104 Understanding Health Science Theory

Old code 15538. 3 credit points

Offered: February.

The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in the health professions. Epistemological orientation to practice, conceptual and theoretical structures, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to the health sciences/

professions. This unit is a prerequisite for OCCP 5105 (15539), OCCP 5106 (15540), OCCP 5107 (15541), OCCP 5108 (15542).

OCCP 5043 Upper Limb Orthotic Systems

Old code 15475. 6 credit points

Offered: February.

This unit of study explores the use of upper limb orthotic systems to improve the performance of occupational tasks by people whose occupational performance has been compromised during the developmental period. Students will examine the biomechanics of the upper limb and the pathomechanics that occur as a result of developmental disability. Principles of orthotic design and fabrication will be examined relative to upper limb problems found in people with a developmental disability. Students will learn to design, fabricate and evaluate orthotic systems which promote the occupational performance of people for whom they are currently providing occupational therapy services. Learning experiences include seminars, problem solving around case studies, videotape analysis of occupational performance problems and analysis of orthotic systems designed by students.

CHAPTER 13

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 physiotherapy, neurological physiotherapy, occupational health issues, clinical reasoning and cardiopulmonary physiotherapy.

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.

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 programs offered. This evaluation has involved seeking and receiving critical appraisal from various sources including student, teacher, peer 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.

Nine graduate programs are conducted by the School. These include research programs at masters and doctoral levels and articulated coursework programs in manipulative physiotherapy and sports physiotherapy. In addition a combined program addresses a number of other professional sub-disciplines. These programs provide a flexible and accessible mode of graduate education for physiotherapists with a wide variety of clinical specialty interests. It is possible to focus studies in such sub-disciplines as paediatric, cardiopulmonary and neurological physiotherapy, or to complete general physiotherapy studies.

In relation to School of Physiotherapy units, enrolment in a unit is normally dependent upon the student meeting the entry requirements for the program in which the unit is offered. For students enrolled in a recognised tertiary program at another institution, a cross-institutional enrolment may be permitted in a School of Physiotherapy unit, providing the unit is approved by the home institution, the applicant satisfies the prerequisite unit and/or can demonstrate the prerequisite knowledge to study the unit, and resources are available to support the enrolment in the unit.

Enquiries regarding academic programs should be directed to the following:

Academic Program Administrator, Ayanthi Salgado/Louise Ferris (02) 9351 9378; The Postgraduate Coursework Programs Coordinator: Elizabeth Henley (02) 9351 9268; Research Masters Program and Ph.D. Program Coordinator Associate Professor Nick O'Dwyer (02) 9351 9272.

Graduate Diploma of Health Science (Manipulative Physiotherapy)

Graduate Diploma Course Coordinator: Kathryn Refshauge (02)93519180

Master's Course Coordinator: Martin Mackey (02) 9351 9374

Manipulative Physiotherapy is a physically demanding course of study which 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, the examination and treatment procedures used by manipulative physiotherapists. Partial disrobing will be required in these classes. All students are required to provide the School of Physiotherapy with recent X-rays of their cervical, thoracic and lumbar spines prior to the commencement of the spinal manipulation classes. Any prospective students who think they may have a condition or disability which may interfere with the development or practise of manipulative physiotherapy skills should consult the Course Coordinator, Kathryn Refshauge (02) 9351 9180 before commencing the course.

Admission requirements

The Faculty may, on the recommendation of the Head of School concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant:

- i) 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.
- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Graduate Diploma of Applied Science (Manipulative Physiotherapy) applicants should normally have completed at least two years recent clinical experience in the management of musculoskeletal disorders, and be presently engaged in related clinical practice.

Selection

Selection, will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxx/16xxx) units is dependent upon the applicant being eligible to enrol in this course.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the graduate diploma or the master's program, will be dependent upon satisfactory performance in the graduate diploma units.

Course outline

The course outline for the Graduate Diploma of Health Science (Manipulative Physiotherapy) is presented in Table 13.1.

Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Table 13.1: Graduate Diploma of Health Science (Manipulative Physiotherapy)

Course code Mode of offer
 1607 Full-time; 1 year
 1612 Part-time; 2 years
 Credit points::48

Full-time mode

Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH5234	(2557C)	Psychology	-	1
BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
BIOS5028	(11457)	Neurophysiology & Pharmacology	2	-
PHTY5043	(164A7)	Professional Skills in Manipulative Physiotherapy A	7	-
PHTY5044	(164A8)	Professional Skills in Manipulative Physiotherapy B	-	7
PHTY5024	(16467)	Clinical Reasoning A	2	-
PHTY5025	(16468)	Clinical Reasoning B	-	2
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5072	(16510)	Clinical Manipulative Physiotherapy A ¹	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B ¹	-	9
Stage total (48 credit points)			22	26

Part-time mode

Year 1

BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
BIOS5028	(11457)	Neurophysiology and Pharmacology	2	-
PHTY5043	(164A7)	Professional Skills in Manipulative Physiotherapy A	7	-
PHTY5044	(164A8)	Professional Skills in Manipulative Physiotherapy B	-	7
PHTY5070	(16508)	Scientific Investigation I	-	3
Stage total (23 credit points for Year 1)			11	12

Year 2

BACH5234	(2557C)	Psychology	-	1
PHTY5024	(16467)	Clinical Reasoning A	2	-
PHTY5025	(16468)	Clinical Reasoning B	-	2
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5072	(16510)	Clinical Manipulative Physiotherapy A ¹	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B ¹	-	9
Stage total (25 credit points for Year 2)			11	14

Notes to Table 13.1

1. Clinical Manipulative Physiotherapy will be conducted as three afternoon sessions for ten weeks in semesters 1 & 2.

Master of Health Science (Manipulative Physiotherapy)

Graduate Diploma Course Coordinator: Dale Larsen (02) 9351 9176

Master's Course Coordinator: Martin Mackey (02) 9351 9374

Manipulative Physiotherapy is a physically demanding course of study which 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, the examination and treatment procedures used by manipulative physiotherapists. Partial disrobing will be required in these classes. All students are required to provide the School of Physiotherapy with X-rays of their cervical, thoracic and lumbar spines prior to the commencement of the spinal manipulation classes. Any prospective students who think they may have a condition or disability which may interfere with the development or practise of manipulative physiotherapy skills should consult the Graduate Diploma of Applied Science (Manipulative Physiotherapy) Course Coordinator, Kathryn Refshauge (9351 9180) before commencing the course.

Admission requirements

The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

- i) 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.
- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Master of Applied Science (Manipulative Physiotherapy) applicants should normally have completed at least two years recent clinical experience in the management of musculoskeletal disorders, and be presently engaged in related clinical practice.

* Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Selection

Selection will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxx/16xxx) units is dependent upon the applicant being eligible to enrol in this course.

Credit transfer

Applicants holding an approved graduate diploma in manipulative physiotherapy may apply for credit transfer in the master's program. Decisions will be made on an individual basis.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the graduate diploma or the master's program, will be dependent upon satisfactory performance in the graduate diploma units.

Course outline

The course outline for the Master of Health Science (Manipulative Physiotherapy) is presented in Table 13.2.

Table 13.2: Master of Health Science (Manipulative Physiotherapy)

Course code	Mode of offer			
1632	Full-time; 1.5 years			
1633	Part-time; 3 years			
Credit points:48				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
BACH5234	(2557C)	Psychology	-	1
BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
BIOS5028	(11457)	Neurophysiology & Pharmacology	2	-
PHTY5043	(164A7)	Professional Skills in Manipulative Physiotherapy A	7	-
PHTY5044	(164A8)	Professional Skills in Manipulative Physiotherapy B	-	7
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5024	(16467)	Clinical Reasoning A	2	-
PHTY5025	(16468)	Clinical Reasoning B	-	2
PHTY5072	(16510)	Clinical Manipulative Physiotherapy A ¹	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B ¹	-	9
Stage total (48 credit points for Year 1)			22	26
<i>Year 2</i>				
BACH5031	(255 IK)	History and Philosophy of Scientific Methodology	3	-
PHTY5074	(16512)	or	3	-
PHTY5048	(164B3)	Scientific Investigation II	3	-
PHTY5049	(164B4)	Distinguished Scientist Series	18	-
Stage total (24 credit points for Year 2)			24	-
Part-time mode				
<i>Year 1</i>				
BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
BIOS5028	(11457)	Neurophysiology & Pharmacology	2	-
PHTY5043	(164A7)	Professional Skills in Manipulative Physiotherapy A	7	-
PHTY5044	(164A8)	Professional Skills in Manipulative Physiotherapy B	-	7
PHTY5070	(16508)	Scientific Investigation I	-	3
Stage total (23 credit points for Year 1)			11	12
<i>Year 2</i>				
BACH5234	(2557C)	Psychology	-	1
PHTY5024	(16467)	Clinical Reasoning A	2	-
PHTY5025	(16468)	Clinical Reasoning B	-	2
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5072	(16510)	Clinical Manipulative Physiotherapy A ¹	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B ¹	-	9
Stage total (25 credit points for Year 2)			11	14

Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Year 3</i>				
BACH5031	(255 IK)	History and Philosophy of Scientific Methodology or	3	
PHTY5074	(16512)	Scientific Investigation II	3	
PHTY5048	(164B3)	Distinguished Scientist Series	3	
PHTY5050	(164B4A)	Treatise A	6	
PHTY5051	(164B4B)	Treatise B		12
Stage total (24 credit points for Year 3)			12	12

Notes to Table 13.2

Treatise may be taken as part-time over one year.

1. Clinical Manipulative Physiotherapy will be conducted as three afternoon sessions for ten weeks in semesters 1 and 2.

Graduate Certificate of Health Science (Physiotherapy)

The principal aims of this course are to:

- produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in multiple areas of physiotherapy practice, both specialised and general, and
- encourage, develop and promote a scientific approach to the evaluation of current therapeutic interventions.

Enquiries

Graduate Certificate/Diploma/Master's Course Coordinator:
Martin Mackey (02) 9351 9374.

Admission requirements

The Faculty may, on the recommendation of the Head of School concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant:

- who is a graduate of the University of Sydney and has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.
- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Graduate Certificate of Health Science (Physiotherapy) applicants should normally have completed at least two years recent clinical experience in a field relevant to their course of study - eg, Neurological Physiotherapy.

Selection

Selection will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxxx/16xxx) units is dependent upon the applicant being eligible to enrol in this course.

Progression

Progression from the graduate certificate to the graduate diploma and master's programs, regardless of which program the student originally enrolled in, will be dependent upon satisfactory performance in current units.

Course structure

The course outline for the Graduate Certificate of Health Science (Physiotherapy) is presented in Table 13.3.
Course Structure

A minimum of 12 credit points must be completed from approved Physiotherapy units (PHTYxxxx/16xxx) including List A below. The remaining credit points may be completed from List B (Biomedical Sciences), C (Behavioural Sciences) and/or D (Other).

Note: Units in this course will be offered depending on sufficient enrolments. Physiotherapy units may be offered on alternate years.

Specialist streams

If a student wishes to pursue a specialist stream of physiotherapy study specialised units in the sub-disciplines of Cardiopulmonary Physiotherapy, Neurological Physiotherapy, and Paediatric Physiotherapy are offered once every 3 years. In Year 2000 the Neurological Physiotherapy specialist stream will be offered. It is anticipated the Paediatric physiotherapy stream will be offered in 2001 and the Cardiopulmonary Physiotherapy stream in 2002.

*Appropriate courses are those deemed equivalent to the Bachelor Degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Neurology stream

Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH5254	(2557W)	Motor Performance and Learning	3	-
EXSS5026	(22527)	Applied Physiology I or approved elective (see List A, B, C or D)	5	-
EXSS5020	(22521)	Mechanics of Human Movement	4	-
PHTY5060	(164E5)	Optimising Functional Motor Performance	5	-
PHTY5086	(16520)	Clinical Practice I	5	-
PHTY5074	(16512)	Scientific Investigations II	3	-

Table 13.3: Graduate Certificate of Health Science (Physiotherapy)

Course code Mode of offer
 1648 Full-time; 1 semester
 1649 Part-time; 2 semesters¹
 Credit points: 24 (minimum)

Unit code	(old code)	Unit name	Sem 1	Sem 2
List A²				
PHTY5034	(16479)	Occupational Health I ⁵	3	-
PHTY5035	(16480)	Occupational Health II ⁵	-	3
PHTY5096	(16481)	Introduction to Ergonomics ²	3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance ⁶	5	-
PHTY5070	(16508)	Scientific Investigation I ³	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5074	(16512)	Scientific Investigation IP	3	-
PHTY5086	(16520)	Clinical Practice P	5	-
PHTY5087	(16521)	Clinical Practice II	-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	<i>Ji</i>	
PHTY5089	(16523)	Independent Study in Physiotherapy B	<i>V</i>	
PHTY5090	(16524)	Independent Study in Physiotherapy C	<i>V</i>	
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists Plus specialised units available in current year ⁴		4
ListB				
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5004	(22505)	Applied Physiology II	-	4
BIOS5026	(11455)	Anatomy & Biomechanics A	2	-
EXSS5022	(22523)	Anatomy & Biomechanics B	-	2
EXSS5010	(22511)	Clinical Biomechanics	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
BIOS5035	(11480)	Advanced Respiratory Physiology ⁵	3	-
EXSS5024	(22525)	Advanced Cardiovascular Physiology ⁵	3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy ⁵ Plus other available electives	~	2
ListC				
BACH5234	(2557C)	Psychology	-	1
BACH5238	(2557G)	Psychosocial Aspects of Sport	-	3
BACH5254	(2557W)	Motor Performance & Learning Plus other available electives	3	

List D⁶

Electives (graduate units) may be taken in other universities, other Faculties within the University of Sydney and within other Schools of the Faculty of Health Sciences (see Chapter 17).

Notes to Table 13.3

1. Part-time mode may take up to a maximum of four times full-time mode. Program choice must be made in consultation with Course Coordinator.
2. At the discretion of the Course Coordinator, some List A units may be offered in flexible learning modes including distance (external) and/or block mode.
3. Graduate Certificate students must enrol in Scientific Investigations I or II (as required) and may also be required to undertake a clinical practice unit.
4. See schedule of Special Stream electives below.
5. Will not be offered in 2000.
6. Permission to enrol in these units will be dependent upon approval from the Course Coordinator and/or the head of school/department conducting the units and minimum/maximum numbers for these units. Approved electives may be taken in a variety or combination of modes of offer including 'on campus' mode, distance (external) mode and block mode.
7. The semester in which the unit will be conducted may vary depending on enrolments.

Graduate Diploma of Health Science (Physiotherapy)

The principal aims of this course are to:

- produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in multiple areas of physiotherapy practice, both specialised and general, and
- encourage, develop and promote a scientific approach to the evaluation of current therapeutic interventions.

The Graduate Diploma course will also prepare physiotherapists for entry into the clinical specialisation process of the Australian College of Physiotherapists and the master's degree will enable physiotherapists to apply for exemption in Stage two of the clinical specialisation process.

Enquiries

Graduate Diploma/Certificate/Master's Course Coordinator:
Martin Mackey (02) 9351 9374.

Admission requirements

The Faculty may, on the recommendation of the Head of School concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant:

- who is a graduate of the University of Sydney and has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.
- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Graduate Diploma of Applied Science (Physiotherapy) applicants should normally have completed at least two years recent clinical experience in a field relevant to their course of study - eg, Neurological Physiotherapy.

Selection

Selection, will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxxx/16xxx) units is dependent upon the applicant being eligible to enrol in this course.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the graduate diploma or the master's program, will be dependent upon satisfactory performance in the graduate diploma units.

Course structure

The course outline for the Graduate Diploma of Health Science (Physiotherapy) is presented in Table 13.4.

A minimum of 24 units must be completed from approved Physiotherapy units (PHTYxxxx/16xxx) including List A. The remaining units may be completed from Lists B (Biomedical Sciences), C (Behavioural Sciences), and/or D (Other).

Specialist streams

If a student wishes to pursue a specialist stream of physiotherapy study, specialised units in the sub-disciplines of Cardiopulmonary Physiotherapy, Neurological Physiotherapy, and Paediatric Physiotherapy are offered once every 3 years. In year 2000 the Neurological Physiotherapy specialist stream will be offered. It is anticipated that the Paediatric Physiotherapy stream will be offered in 2001 and the Cardiopulmonary Physiotherapy stream in 2002.

Neurological stream

Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH5254	(2557W)	Motor Performance & Learning	3	-
EXSS5020	(22521)	Mechanics of Human Movement	4	-
EXSS5002	(22503)	Applied Physiology I	5	—
		or approved Elective (See List B)		
PHTY5089	(16523)	Independent Study in Physiotherapy B	3#	
PHTY5097	(164E4)	Topics in Neurological Physiotherapy	-	5
PHTY5060	(164E5)	Optimising Functional Motor Performance	5	-
PHTY5061	(164E6)	Clinical Neurological Physiotherapy A	-	5
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5085	(16519)	Neurological Rehabilitation		4
		Approved elective (See List A, B, C or D)	3#	
PHTY5086	(16520)	Clinical Practice I	5	-

The semester in which the unit will be conducted may vary depending on enrolments

1. Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Table 13.4: Graduate Diploma of Health Science (Physiotherapy)

Course code	Mode of offer			
1646	Full-time; 2 semesters			
1647	Part-time; 4 semesters ¹			
Credit points: 48 (minimum)				
Unit code	(old code)	Unit name	Sem 1	Sem 2
List A³				
PHTY5034	(16479)	Occupational Health I	3	-
PHTY5035	(16480)	Occupational Health II	-	3
PHTY5096	(16481)	Introduction to Ergonomics	3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance	5	-
PHTY5070	(16508)	Scientific Investigation I ⁴	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5074	(16512)	Scientific Investigation II ⁴	3	-
PHTY5086	(16520)	Clinical Practice I	5	-
PHTY5087	(16521)	Clinical Practice II	-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	2 ⁸	
PHTY5089	(16523)	Independent Study in Physiotherapy B	3 ⁸	
PHTY5090	(16524)	Independent Study in Physiotherapy C	4 ⁸	
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists Plus specialised units available in current year ⁵	—	4
ListB				
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5004	(22505)	Applied Physiology II	-	4
BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
EXSS5010	(22511)	Clinical Biomechanics	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
BIOS5035	(11480)	Advanced Respiratory Physiology ⁶	3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy ⁶	-	2
EXSS5024	(22525)	Advanced Cardiovascular Physiology ⁶ Plus other available electives	3 ⁸	
ListC				
BACH5234	(2557C)	Psychology	-	1
BACH5238	(2557G)	Psychosocial Aspects of Sport	-	3
BACH5254	(2557W)	Motor Performance and Learning Plus other available electives	3	
List D⁷				
Electives (graduate units) may be taken in other universities, other Faculties within the University of Sydney and within other Schools of the Faculty of Health Sciences (see Chapter 17).				

Notes to Table 13.4

1. Part-time mode may take up to a maximum of four times full-time mode. Program choice must be made in consultation with Course Coordinator.
2. Students must choose two clinical units.
3. At the discretion of the Course Coordinator, some List A units may be offered in flexible learning modes including distance (external) and/or block mode. Units of study offered on campus will be subject to minimum enrolments.
4. Graduate Diploma students must enrol in Scientific Investigations I and II.
5. See schedule of special stream electives below.
6. Will not be offered in 2000.
7. Permission to enrol in these units will be dependent upon approval from the Course Coordinator and/or the Head of School/ Department conducting the Units and minimum/maximum numbers for these units. Approved electives may be taken in a variety or combination of modes of offer including 'on campus' mode, distance (external) mode and block mode.
8. The semester in which the unit will be conducted may vary depending on enrolments

Master of Health Science (Physiotherapy) by Coursework

Masters Course Coordinator: Martin Mackey (02) 9351 9374

Admission requirements

The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

- i) 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.
- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Master of Health Science (Physiotherapy) applicants should normally have completed at least two years recent clinical experience in a field relevant to their course of study.

Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Selection

Selection, will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxxx/16***) units is dependent upon the applicant being eligible to enrol in this course.

Credit Transfer

Applicants holding an approved graduate diploma may apply for credit transfer in the master's program. Decisions will be made on an individual basis.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the graduate diploma or the masters program, will be dependent upon satisfactory performance in the graduate diploma units.

Course structure

The course outline for the Master of Health Science (Physiotherapy) is presented in Table 13.5.

- a) 24 credit points must be completed from approved Physiotherapy units. (PHTYxxxx/16xxx)2 including List A below. The remaining 24 credit points in the graduate diploma stage may be completed from Lists B (Biomedical Sciences), C (Behavioural Sciences), and/or D (Other)
- b) 24 credit points must be completed from List E (Master units). These will be taken after completion of the first 48 credit points.

Table 13.5: Master of Health Science (Physiotherapy) by Coursework

Course code	Mode of offer
1644	Full-time mode; 3 semester
1645	Part-time mode; 6 semesters ¹
Credit points: 72 (minimum);	

Unit code	(old code)	Unit name	Sem 1	Sem 2
List A³				
PHTY5034	(16479)	Occupational Health I	3	-
PHTY5035	(16480)	Occupational Health II	-	3
PHTY5096	(16481)	Introduction to Ergonomics	3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance	4	-
PHTY5070	(16508)	Scientific Investigation I ⁴	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5074	(16512)	Scientific Investigation II ⁴	3	-
PHTY5086	(16520)	Clinical Practice I	5	-
PHTY5087	(16521)	Clinical Practice II	-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	2 ⁹	
PHTY5089	(16523)	Independent Study in Physiotherapy B	39	
PHTY5090	(16524)	Independent Study in Physiotherapy C	49	
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists	-	4
Plus specialised units available in current year ⁵				
List B				
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5004	(22505)	Applied Physiology II	-	4
BIOS5026	(11455)	Anatomy and Biomechanics A	2	-
EXSS5022	(22523)	Anatomy and Biomechanics B	-	2
EXSS5010	(22511)	Clinical Biomechanics	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
BIOS5035	(11480)	Advanced Respiratory Physiology ⁶	3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy ⁶	-	2
EXSS5024	(22525)	Advanced Cardiovascular Physiology ⁶	39	
Plus other available electives				

Unit code	(old code)	Unit name	Sem 1	Sem 2
List C				
BACH5234	(2557C)	Psychology	-	1
BACH5258	(2557G)	Psychosocial Aspects of Sport	-	3
BACH5254	(2557W)	Motor Performance and Learning Plus other available electives	3	-
List D⁷				
Electives (graduate units) may be taken in other universities, other Faculties within the University of Sydney and within other Schools of the Faculty of Health Sciences (see Chapter 17).				
List E				
BACH5031	(255 IK)	History and Philosophy of Scientific Methodology	3	-
PHTY5048	(164B3)	Distinguished Scientists Series	3	-
PHTY5050	(164B4A)	Treatise A	6	-
PHTY5051	(164B4B)	Treatise B	-	12
PHTY5049	(164B4)	Treatise ⁸	18	-

Notes to Table 13.5

Units in this course will be offered depending on sufficient enrolments. Physiotherapy units may be offered in alternate years.

1. Part-time mode may take up to a maximum of four times full-time mode. Program choice must be made in consultation with the Course Coordinator.
2. Physiotherapy must take two clinical units.
3. At the discretion of the course coordinator, some List A units may be offered in flexible learning modes including distance (external) and/or block mode.
4. Master's students must enrol in Scientific Investigations I and II.
5. See schedule of Special Stream Electives under Graduate Certificate/Diploma sections.
6. Will not be offered in 2000.
7. Permission to enrol in these units will be dependent upon approval from the Course Coordinator and the Head of School/ Department conducting the units and minimum/maximum numbers for these units. Approved electives may be taken in a variety or combination of modes of offer including 'on campus' mode, distance (external) mode and block mode.
8. Students enrolled in Full-time mode, must undertake Treatise in semester one only - ie, 18 credit points. Part time students undertake the treatise over 2 semesters (6 credit points in Semester 1 and 12 credit points in Semester 2).
9. The semester in which the unit will be conducted may vary depending on enrolments.

Graduate Diploma of Health Science (Sports Physiotherapy)

Graduate Diploma Course Coordinator: Elizabeth Henley
(02)93519268

Admission requirements

The Faculty may, on the recommendation of the Head of School concerned admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant:

- i) 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.
- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Graduate Diploma of Applied Science (Sports Physiotherapy) applicants should also have at least two years recent graduate clinical experience relevant to sports physiotherapy and should be currently employed in a sports physiotherapy context.

Selection

Selection, will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxxx/16xxx) units is dependent upon the applicant being eligible to enrol in this course.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the graduate diploma or the master's program, will be dependent upon satisfactory performance in the graduate diploma units.

Course outline

The course outline for the Graduate Diploma of Health Science (Sports Physiotherapy) is presented in Table 13.6.

*Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Table 13.6: Graduate Diploma of Health Science (Sports Physiotherapy)

Course code Mode of offer
 1640 Full-time; 1 year
 1641 Part-time; 2 years
 Credit points: 48 (minimum)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
Year 1				
BACH5234	(2557C)	Psychology	-	1
BACH5254	(2557W)	Motor Performance and Learning	3	-
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5004	(22505)	Applied Physiology II	-	4
EXSS5010	(22511)	Clinical Biomechanics (or approved elective ¹)	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5076	(16513A)	Clinical Management of Sporting Injuries A	3	-
PHTY5077	(16513B)	Clinical Management of Sporting Injuries B	-	4
PHTY5079	(16514A)	Clinical Sports Physiotherapy A	5	-
PHTY5080	(16514B)	Clinical Sports Physiotherapy B	-	5
Stage total (minimum 48 credit points for Year 1)			23	25
Part-time mode				
Year 1				
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5010	(22511)	Clinical Biomechanics (or approved elective ¹)	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	-	2
BACH5234	(2257C)	Psychology	-	1
Stage total (minimum 21 credit points for Year 2)			9	12
Year 2				
BACH5254	(2557W)	Motor Performance and Learning	3	-
EXSS5004	(22505)	Applied Physiology II	-	4
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5076	(16513A)	Clinical Management of Sporting Injuries A	3	-
PHTY5077	(16513B)	Clinical Management of Sporting Injuries B	-	4
PHTY5079	(16514A)	Clinical Sports Physiotherapy A	5	-
PHTY5080	(16514B)	Clinical Sports Physiotherapy B	-	5
Stage total (27 credit points for Year 2)			14	13

Notes to Table 13.6

1. Approved elective is Clinical Biomechanics for Physiotherapists (16525) (4 credit points semester 2)

Master of Health Science (Sports Physiotherapy)

Graduate Diploma Course Coordinator: Elizabeth Henley (02) 9351 9268

Masters Course Coordinator: Martin Mackey (02) 9351 9374

Admission requirements

The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

- i) 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

Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

In the case of the Master of Applied Science (Sports Physiotherapy) applicants should also have at least two years recent graduate clinical experience relevant to sports physiotherapy and should be currently employed in a sports physiotherapy context.

Selection

Selection, will take into account employment history, qualifications, continuing education and other professional development.

Unit enrolment

Enrolment in all physiotherapy (PHTYxxxx/16***) units is dependent upon the applicant being eligible to enrol in this course.

Credit transfer

Applicants holding an approved graduate diploma in manipulative physiotherapy may apply for credit transfer in the master's program. Decisions will be made on an individual basis.

Progression

Progression from the graduate diploma to the master's program, whether the student originally enrolled in the

graduate diploma or the master's program, will be dependent upon satisfactory performance in the graduate diploma units.

Course outline

The course outline for the Master of Health Science (Sports Physiotherapy) is presented in Table 13.7.

Table 13.7: Master of Health Science (Sports Physiotherapy)

Course code	Mode of offer			
1630	Full-time; 1 year			
1631	Part-time; 3 years			
Credit points: 72 (minimum ¹)				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
BACH5254	(2557W)	Motor Performance and Learning	3	-
BACH5234	(2557C)	Psychology	-	1
BIOS5034	(11470)	Functional Anatomy	-	4
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5020	(22521)	Mechanics of Human Movement	4	-
EXSS5004	(22505)	Applied Physiology II	-	4
EXSS5010	(22511)	Clinical Biomechanics (or approved elective ¹)	-	2
PHTY5071	(16509)	Medical Sciences	-	2
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5076	(16513A)	Clinical Management of Sporting Injuries A	3	-
PHTY5077	(16513B)	Clinical Management of Sporting Injuries B	-	4
PHTY5079	(16514A)	Clinical Sports Physiotherapy A	5	-
PHTY5080	(16514B)	Clinical Sports Physiotherapy B	-	5
Stage total (minimum 48 credit points for Year 1)			23	25
<i>Year 2</i>				
BACH5031	(255 IK)	History and Philosophy of Scientific Methodology	3	-
PHTY5048	(164B3)	Distinguished Scientist Series	3	-
PHTY5049	(164B4)	Treatise	18	-
Stage total (24 credit points for Year 2)			24	-
Part-time mode				
<i>Year 1</i>				
BACH5234	(2557C)	Psychology	-	1
BIOS5034	(11470)	Functional Anatomy	-	4
EXSS5002	(22503)	Applied Physiology I	5	-
EXSS5027	(22511)	Clinical Biomechanics (or approved elective ¹)	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	-	2
Stage total (minimum 21 credit points for Year 1)			9	12
<i>Year 2</i>				
BACH5254	(2557W)	Motor Performance and Learning	3	-
EXSS5004	(22505)	Applied Physiology II	-	4
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5076	(16513A)	Clinical Management of Sports Injuries A	3	-
PHTY5077	(16513B)	Clinical Management of Sports Injuries B	-	4
PHTY5079	(16514A)	Clinical Sports Physiotherapy A	5	-
PHTY5080	(16514B)	Clinical Sports Physiotherapy B	-	5
Stage total (minimum 27 credit points for Year 2)			14	13
<i>Year 3</i>				
BACH5031	(255 IK)	History and Philosophy of Scientific Methodology	3	-
PHTY5048	(164B3)	Distinguished Scientist Series	3	-
PHTY5050	(164B4A)	Treatise A	6	-
PHTY5051	(164B4B)	Treatise B	-	12
Stage total (24 credit points for Year 3)			12	12

Notes to Table 13.7

1. Approved elective is Clinical Biomechanics for Physiotherapists (16525) (4 credit points semester 2)

Master of Applied Science (Physiotherapy) by Research

The Master of Applied Science (Physiotherapy) course is a research degree. The course is designed to provide an opportunity for research and scholarship in specific areas of physiotherapy.

Enquiries

Course Coordinator: Associate Professor Nick O'Dwyer, (02) 9351 9385.

Admission requirements

The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

- i) who has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided

*Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

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.

- ii) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

Time limits

The standard course comprises of both enabling preparatory work to support the research and research thesis. Students who enter the course with adequate research preparation may be exempt from completing some or all of the enabling components in preparation for their Master's Research Thesis - eg, research elective units and/or thesis workshops. Usually these students would have completed an approved bachelor degree program at honours level I or II. The minimum length of the course for such students is one year full-time or two years part-time.

Course outline

The course outline for the Master of Applied Science (Physiotherapy) is presented in Table 13.8.

Table 13.8: Master of Applied Science (Physiotherapy) by Research

Course code	Mode of offer			
1603	Part-time Special Program (for master's qualifying students)			
1643	Full-time Special Program (for master's qualifying students)			
1624	Full-time; minimum 2 years			
1625	Part-time; minimum 3 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1 (and subsequent years)</i>				
PHTY6014	(16503A)	Research Thesis		
PHTY6015	(16503B)	Research Thesis	-	
Part-time mode				
<i>Year 1 (and subsequent years)</i>				
PHTY6014	(16503A)	Research Thesis		
PHTY6015	(16503B)	Research Thesis	-	

Note: Research Thesis - Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units (listed in Chapter 17) and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis.

Units of study

BIOS 5026 Anatomy and Biomechanics A

Old code 11455. 2 credit points

Dr P. Sivanandasingham, (02) 9351 9521

Offered: February. **Classes:** Class attendance is required.

Assessment: Written examination.

This unit will further students' understanding of the anatomy and biomechanics of the thoracic and lumbar vertebral column and the lower limb. The focus is on critical evaluation of existing manipulative physiotherapy procedures and on recent scientific developments of relevance to disorders of the musculoskeletal system. Instructional methodology will include: lectures and practical sessions in Anatomy Laboratory, using cadaveric material.

EXSS 5022 Anatomy and Biomechanics B

Old code 22523. 2 credit points

Offered: July.

This unit will further students' understanding of the anatomy and biomechanics of the cervical and thoracic vertebral column and the upper limb. The focus is on critical evaluation of existing manipulative physiotherapy procedures and on recent scientific developments of relevance to disorders of the upper body.

EXSS 5024 Advanced Cardiovascular Physiology

Old code 22525. 3 credit points

Offered: February, July.

NB: Not offered in 2000.

This unit will provide the student with knowledge of alterations in cardiovascular physiology caused by disease. An aspect of this unit will be practical experience in physiological measurements of the respiratory system. The unit will also include the interpretation of physiological measurements and the implications of these for exercise prescription.

BIOS 5035 Advanced Respiratory Physiology

Old code 11480. 3 credit points

Offered: February.

NB: Not offered in 2000.

This unit will provide students with in-depth knowledge of respiratory physiology in adults and children and alterations caused by disease. An aspect of this course will be practical experience in physiological measurements of the respiratory system.

EXSS 5026 Applied Physiology I

Old code 22503. 5 credit points

This unit will provide students with a developing infrastructure for Applied Physiology II. Initially, this will involve a systems approach with emphasis on applied physiological situations. Only when the basic physiological systems have been reviewed and expanded will the more integrative aspects of the exercise response be attempted. While the unit content is broad, it nevertheless assumes a sound physiology background. Particular attention will be given to the cardiovascular, respiratory and metabolic systems.

EXSS 5004 Applied Physiology II

Old code 22505. 4 credit points

Offered: July. **Prerequisite:** Applied Physiology I EXSS 5002 (11429).

This unit will build upon the principles and information provided in Applied Physiology I, and will focus upon the regulation of the exercise response. While the changes that occur during exercise are important, this unit will aim primarily at providing the student with the necessary understanding of the mechanisms behind these changes. Particular attention will be given to cardiovascular control, adaptation to dynamic and static exercise, metabolic regulation, respiratory control and thermoregulation. It is expected that while the content of this unit will remain fixed, the level and emphasis of each section will vary according to current staff background and research interest.

BIOS 5036 Cardiopulmonary Anatomy

Old code 11481. 2 credit points

Dr P. Sivanandasingham, (02) 9351 9521

Classes: Attendance required. **Assessment:** Written examination.

NB: Not offered in 2000.

This unit aims to investigate the relationship between the anatomical structure and functions of both the respiratory and cardiovascular systems. The unit contains coursework covering the musculoskeletal anatomy of the head, neck, trunk, shoulder girdle and the histology and gross anatomy of the respiratory and cardiovascular systems. The unit emphasises the relationship between structure, function and dysfunction and is taught from a theoretical and practical approach. Instructional methodology will include: lectures and practical sessions in Anatomy Laboratory, using cadaveric material.

EXSS 5027 Clinical Biomechanics

Old code 22528. 2 credit points

Offered: July. **Prerequisite:** Mechanics of Human Movement EXSS 5020(22521).

The purpose of this unit is to improve students' capacity to predict the mechanical effects of training regimens, trauma movement styles and their repetition on tissues and regions of the body, and to differentiate this response in different age groups. This will be achieved by the study of sources and characteristics of forces and the ways in which they are transmitted through the body via tissues and regions of the body. High and low technology biomechanical measurement methods which assist in the development of clinical biomechanical measurement protocols will be examined.

PHTY 5091 Clinical Biomechanics For Physiotherapists

Old code 16525. 4 credit points

Offered: July.

This unit focuses on promoting an understanding of biomechanical principles that govern effectiveness of skilled performance. The argument that biomechanics and biomechanical testing procedures improve performance in individuals with movement dysfunction and in prevention of injury is supported with clinical examples. The unit provides the opportunity for development of skill in data collection using biomechanical instrumentation. Enrolment in this unit is only open to graduates who have studied Biomechanics previously.

PHTY 5076 Clinical Management of Sports Injuries A

Old code 16513A. 3 credit points

Offered: February. **Corequisite:** Clinical Sports Physiotherapy A PHTY 5079(16514A).

PHTY 5077 Clinical Management of Sports Injuries B

Old code 16513B. 4 credit points

Offered: July. **Prerequisite:** Clinical Management of Sports Injuries A PHTY 5076 (16513A). **Corequisite:** Clinical Sports Physiotherapy B PHTY 5080(16514B).

This unit will focus on assessment, diagnosis and management of injury as well as prevention of injury and screening of athletes. This will include a critical evaluation of current procedures and practices used in the management of the sports person, and the role of the sports professional in the prevention of injuries. The unit aims to integrate relevant knowledge from related sciences into sports physiotherapy practice, such as response of body tissue to injury, immobilisation and rehabilitation, the influence of these factors upon tissue repair and the restoration of function.

PHTY 5072 Clinical Manipulative Physiotherapy A

Old code 16510. 9 credit points

Offered: February. **Prerequisite:** (or corequisite) Professional Skills in Manipulative Physiotherapy A (164A7), Anatomy and Biomechanics A (11455). **Corequisite:** Clinical Reasoning A (16467).

Students advance their clinical competence by developing further skills and integrating their knowledge from the underpinning sciences, in managing musculoskeletal disorders of the lower body.

PHTY 5073 Clinical Manipulative Physiotherapy B

Old code 16511. 9 credit points
Offered: July. **Prerequisite:** Clinical Manipulative Physiotherapy A (16510); (or corequisite:) Professional Skills in Manipulative Physiotherapy B (164A8), Anatomy and Biomechanics B (11456). **Corequisite:** Clinical Reasoning B (16468).
In this unit students consolidate their clinical experience. They also develop further skills and integrate their knowledge from the underpinning sciences, in managing musculoskeletal disorders of the upper body.

PHTY 5061 Clinical Neurological Physiotherapy A

Old code 16436. 5 credit points
Offered: July.
This unit involves both on-campus and off-campus clinical hours. It provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas.

PHTY 5086 Clinical Practice I

Old code 16520. 5 credit points
Offered: February.
This unit involves both on- and off-campus clinical hours. It provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas.

PHTY 5087 Clinical Practice II

Old code 16521. 5 credit points
Offered: July.
This unit involves both on- and off-campus clinical hours. It provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas.

PHTY 5024 Clinical Reasoning A

Old code 16467. 2 credit points
Offered: February. **Prerequisite:** (or corequisite) Professional Skills in Manipulative Physiotherapy A (164A7), Anatomy and Biomechanics A (11455). **Corequisite:** Clinical Manipulative Physiotherapy A (16510).
Students further develop the cognitive skills of clinical reasoning and problem-solving applied to musculoskeletal disorders of the lower body, using the knowledge and experience gained in the corequisite units. In this way, this unit provides a means for the integration of the other units studied.

PHTY 5025 Clinical Reasoning B

Old code 16468. 2 credit points
Offered: July. **Prerequisite:** Clinical Reasoning A (16467); (or corequisite:) Professional Skills in Manipulative Physiotherapy B (164A8), Anatomy and Biomechanics B (11456). **Corequisite:** Clinical Manipulative Physiotherapy B (16511).
Students further develop the cognitive skills of clinical reasoning and problem-solving applied to musculoskeletal disorders of the upper body, using the knowledge and experience gained in the corequisite units. In this way, this unit provides a means for the integration of the other units studied.

PHTY 5079 Clinical Sports Physiotherapy A

Old code 16514A. 5 credit points
Offered: February. **Corequisite:** Clinical Management of Sports Injuries A (PHTY 5076).

PHTY 5080 Clinical Sports Physiotherapy B

Old code 16514B. 5 credit points
Offered: July. **Prerequisite:** Clinical Sports Physiotherapy A (PHTY 5079). **Corequisite:** Clinical Management of Sports Injuries B (PHTY 5077).

NB: Overseas physiotherapists can apply for registration or approval to practise during the course.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skill, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of

sports physiotherapy practice including different age groups and different types of sport, and ranging from acute field management to procedures designed to prevent injury or effectively deal with chronic or recurrent injuries.

PHTY 5048 Distinguished Scientist Series

Old code 164B3. 3 credit points
Offered: February.
This unit involves the study of a researcher's (or group of researchers') work in detail. The researcher(s) will be invited to the campus to participate in seminars to enable the students to discuss and explore issues with them directly. The content will be decided on the basis of the individual interests of the students.

BIOS 5034 Functional Anatomy

Old code 11470. 4 credit points -
Dr Helen Ritchie, (02) 9351 9136
Offered: July. **Classes:** Class attendance is required. **Assessment:** Written examination and assignment.
This unit aims to investigate the relationship between anatomical structure and function, particularly as it relates to the body during exercise. It will include advanced musculoskeletal anatomy of the limbs and trunk undertaken from a theoretical and practical approach in the anatomy laboratory.

BACH 5031 History and Philosophy of Scientific Methodology

Old code 2551K. 3 credit points
Offered: February.
This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the nature of the scientific enterprise taking into account the social versus natural science controversy.

PHTY 5088 Independent Study in Physiotherapy A

Old code 16522. 2 credit points
Offered: February, July.
In this elective unit, individual participants can pursue a specific area of study related to the development of knowledge and skills in an area of professional relevance. The participant will complete a personal learning contract under the supervision of a tutor.

PHTY 5089 Independent Study in Physiotherapy B

Old code 16523. 3 credit points
Offered: February, July.
In this elective unit individual participants can pursue a specific area of study related to the development of knowledge and skills in an area of professional relevance. The participant will complete a personal learning contract under the supervision of a tutor.

PHTY 5090 Independent Study in Physiotherapy C

Old code 16524. 4 credit points
Offered: February, July.
In this elective unit individual participants can pursue a specific area of study related to the development of knowledge and skills in an area of professional relevance. The participant will complete a personal learning contract under the supervision of a tutor.

PHTY 5096 Introduction to Ergonomics

Old code 16481. 3 credit points
Offered: February.
This unit aims to give the student an overview of ergonomics and explores the inter-relationship and relevance of a variety of areas with respect to ergonomics in the workplace. Content includes a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and system issues.

EXSS 5020 Mechanics of Human Movement

Old code 22521. 4 credit points
Offered: February.
This unit will provide biomechanical concepts and skills required for the analysis of human movement. Principles of kine-

matics, kinetics and electromyography in dynamic muscle movements, and mechanical energy distribution will be studied with reference to selected motor activities. Laboratory sessions will be used to provide illustrations of the above principles and to give students experience with biomechanical laboratory techniques. This unit is only open to graduates who have studied biomechanics previously.

PHTY 5071 **Medical Sciences**

Old code 16509. 2 credit points

Offered: July.

This unit is presented in lecture/seminar format and the content areas may cover neurology, oncology, orthopaedics, radiology, rheumatology and vascular disorders. The student gains further knowledge of disease processes and symptomatology, relevant diagnostic procedures and trends in the management and research in the areas of medicine studied.

BACH 5254 **Motor Performance and Learning**

Old code 2557W. 3 credit points

Roger Adams, (02) 9351 9275

Offered: February.

NB: Physiotherapy only.

The aim of this unit is to study, in-depth, the factors influencing skill acquisition, skill relearning and skill performance and their role in modifying inappropriate, but automated motor behaviours. These may need to be changed in response to disease or continuing injury, in order to improve functional outcome and/or prevent further injury. Topics to be covered include: motivation/goal setting; operant behavioural approach; optimising the benefits of physical practice; attention, concentration and arousal; mental practice; awareness during performance; feedback and evaluating the effectiveness of strategies designed to modify inappropriate, but automated movement behaviours.

PHTY 5085 **Neurological Rehabilitation**

Old code 16519. 4 credit points

Offered: July.

This unit provides the forum for students to examine the process of rehabilitation, the environment in which it takes place, factors which may influence outcome and the promotion of physical conditioning.

BIOS 5028 **Neurophysiology and Pharmacology**

Old code 11457. 2 credit points

Dr Ron Balnave, (02) 9351 9530

Offered: February. **Classes:** Class attendance is required.

Assessment: Written examination.

This unit focuses on the neurophysiology of the motor and sensory systems and recent developments in these areas. Special emphasis is given to the neurophysiological bases of pain and pain modulation.

PHTY 5034 **Occupational Health I**

Old code 16479. 3 credit points

Offered: February.

This unit looks at the discipline of occupational health within a social system. After considering significant steps in the evolution of the discipline in the western world, it considers the social, political and economic issues which have historically shaped the development of occupational health legislation and practice.

PHTY 5035 **Occupational Health II**

Old code 16480. 3 credit points

Offered: July.

This unit aims to give the student specific knowledge and skills to apply in occupational health practice and the ability to identify which occupational health professional has the expertise to deal with an identified risk. The unit will encompass both academic and practical components.

PHTY 5060 **Optimising Functional Motor Performance**

Old code 164E5. 5 credit points

Offered: February.

In this unit, students examine normal motor behaviour in order to develop skill in analysing motor performance, planning and

implementing motor training and preventing disabling adaptive processes. This unit involves both clinical and academic experiences.

PHTY 5043 **Professional Skills in Manipulative Physiotherapy A**

Old code 164A7. 7 credit points

Offered: February. **Corequisite:** Anatomy and Biomechanics A (11455), Neurophysiology & Pharmacology (11457).

Students advance their skills in manipulative physiotherapy which includes examination of patients with musculoskeletal disorders of the lower body and planning and implementing appropriate treatment programs for those disorders. Students also develop a greater understanding and skill in the process of communication between the patient and the physiotherapist.

PHTY 5044 **Professional Skills in Manipulative Physiotherapy B**

Old code 164A8. 7 credit points

Offered: July. **Prerequisite:** Professional Skills in Manipulative Physiotherapy A (164A7). **Corequisite:** Anatomy and Biomechanics B (11456), Psychology (10458).

Students advance their skills in examination of patients with musculoskeletal disorders of the upper body, in planning and implementing appropriate treatment courses for these disorders, and in evaluating the effectiveness of these treatment programs.

BACH 5234 **Psychology**

Old code 2557C. 1 credit point

Offered: July.

NB: Not offered in 2000.

The aim of this unit is to further develop students' understanding of psychological aspects of pain and loss of function, and psychological approaches to the management of stress, illness and pain.

BACH 5238 **Psychosocial Aspects of Sport**

Old code 2557G. 4 credit points

J. Stynes, (02) 9351 9551, and I. Andrews (02) 9351 9588

Offered: July. **Classes:** Contract learning.

NB: Physiotherapy only. Not offered in 2000.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation.

The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

PHTY 6014 **Research Thesis A**

Old code 16503A.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of knowledge and skills in specific area(s) of research methods and/or statistical analyses.
2. Thesis discussion workshops which are designed to orient students to study at master's level, support the development of a research proposal, to exchange and test ideas pertaining to the

research proposal, to report on work in progress, to defend procedures to be used in the research project and to support specific sections of the research thesis.

PHTY6015 Research Thesis B

Old code 16503B.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of knowledge and skills in specific area(s) of research methods and/or statistical analyses.
2. Thesis discussion workshops which are designed to orient students to study at master's level, support the development of a research proposal, to exchange and test ideas pertaining to the research proposal, to report on work in progress, to defend procedures to be used in the research project and to support specific sections of the research thesis.

PHTY 5070 Scientific Investigation I

Old code 16508. 3 credit points

Offered: July.

This unit develops students' skills in analysis of data. It examines common statistical tests with the aim of enabling students to understand research papers as well as enabling them to choose appropriate statistical methods of analysing data. It also examines issues relating to measurement including reliability and validity. Students will have the opportunity to apply statistical tests to small data sets of measurement procedures that they will collect, or that have been previously collected.

PHTY 5074 Scientific Investigation II

Old code 16512. 3 credit points

Offered: February.

This unit develops students' skills in writing scientifically. The content for this unit covers developing research questions and writing them up as a grant submission. The issues of developing research questions by setting the inquiry in the context of the state of the profession, the state of scientific knowledge of the area and an evaluation of existing paradigms will be examined. Students' learning will involve preparing an annotated bibliography and writing a proposal as if applying for funding from the Physiotherapy Research Foundation.

PHTY 5097 Topics in Neurological Physiotherapy

Old code 164E4. 5 credit points

Offered: July.

This unit covers a wide range of neurological topics specifically related to the dyscontrol characteristics associated with neurological lesions and the resultant adaptations of both motor and psychological behaviour. Students will also study the historical developments in neurological physiotherapy.

PHTY 5049 Treatise

Old code 164B4.18 credit points

Offered: February.

The treatise involves the preparation of a non-research work in a specific area of interest under supervision. It is a substantial scholarly work that is an exposition of a range of knowledge and is expected to include original argument substantiated by reference to acknowledged authorities. It does not usually involve data collection but may take the form of developing a clinical tool. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. It is carried out in partial fulfilment of the master's degree by coursework. A designated

number of hours are set aside for treatise workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study.

PHTY 5050 Treatise

Old code 164B4A. 6 credit points

Offered: February.

The treatise involves the preparation of a non-research work in a specific area of interest under supervision. It is a substantial scholarly work that is an exposition of a range of knowledge and is expected to include original argument substantiated by reference to acknowledged authorities. It does not usually involve data collection but may take the form of developing a clinical tool. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. It is carried out in partial fulfilment of the master's degree by coursework. A designated number of hours are set aside for treatise workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study.

PHTY 5051 Treatise B

Old code 164B4B. 12 credit points

Offered: July.

The treatise involves the preparation of a non-research work in a specific area of interest under supervision. It is a substantial scholarly work that is an exposition of a range of knowledge and is expected to include original argument substantiated by reference to acknowledged authorities. It does not usually involve data collection but may take the form of developing a clinical tool. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. It is carried out in partial fulfilment of the master's degree by coursework. A designated number of hours are set aside for treatise workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study.

Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: School of Indigenous Health Studies was established in February 1999. The School's vision is to facilitate improvements in indigenous health and well being through innovation and excellence in teaching and research. The School provides 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.

In 1999 the 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 courses 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.

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 School also teaches two undergraduate programs, the Diploma and Bachelor Health Sciences (Aboriginal Health and Community Development). These courses 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 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 has been 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 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.

Further course information about the School's programs may be obtained from the School on (02) 9351 9393.

Graduate Diploma of Health Science (Community Health)

This course provides general and specialist community health practitioners with a core of knowledge and skills appropriate to the effective practice of primary health care in a multi-disciplinary team setting. The course focuses on the health needs of disadvantaged groups in society and provides training in community health theory and practice, program planning and evaluation, health promotion, research methods and elective units with special relevance to the occupational roles of participants.

Admission requirements

- i) have completed a bachelor degree in a relevant area of health sciences; or
 - ii) submit such other evidence of professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by the Faculty; and
- hi) a minimum of 2 years work experience.

Course outline

The course outline for the Graduate Diploma of Health Science (Community Health) full-time and part-time modes is presented in Table 14.1.

Table 14.1:(Graduate Diploma of Health Science (Community Health))

Course code Mode of offer
 0704 Full-time; 1 year
 0705 Part-time; 2 years

Credit points: 48

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
<i>Year 1</i>				
BACH5281	(255 8N)	Methodological Issues in Community Health	6	-
AHCD5001	(07501)	Health Promotion	-	6
AHCD5002	(07502)	Program Planning and Evaluation	6	-
AHCD5003	(07503)	Integrative Paper	-	10
AHCD5004	(07504)	Introduction to Community Health	6	-
AHCD5005	(07505)	Australian Society and Health	6	-
		Elective ¹ •	-	4
		Elective ¹	-	4
Stage total (48 credit points for Year 1)			24	24
Part-time mode				
<i>Year 1</i>				
AHCD5001	(07501)	Health Promotion	-	6
AHCD5004	(07504)	Introduction to Community Health	6	-
AHCD5005	(07505)	Australian Society and Health	6	-
		Elective ¹	-	4
		Elective ¹	-	4
Stage total (26 credit points for Year 1)			12	14
<i>Year 2</i>				
BACH5281	(2558N)	Methodological Issues in Community Health	6	-
AHCD5002	(07502)	Program Planning and Evaluation	6	-
AHCD5003	(07503)	Integrative Paper	-	10
Stage total (22 credit points for Year 2)			12	10

Notes to Table 14.1

1. For a full list of Elective units please see page 133. Units in this course may be offered subject to sufficient students and staff availability. Each elective is 4 credit points. Electives from other courses in the University may be taken by students after consultation with the Community Health Coordinator and the appropriate School or Department. See Chapter 17.

Master of Health Science (Community Health) by Coursework

This course aims to provide advanced training in Community Health theory and practice as well as further training in research. It is designed to equip graduates to occupy senior professional positions in the field. The first stage of the program has the same content as the Graduate Diploma in Community Health. Master students undertake research electives and prepare a treatise.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

- i) have completed a bachelor degree in a relevant area of health sciences; or
- ii) submit such other evidence of general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
- iii) have completed a minimum of two years work experience.

Course outline

The course outline for the Master of Health Science (Community Health) by Coursework is presented in Table 14.2.

Table 14.2: Master of Health Science (Community Health) by Coursework

Course code Mode of offer

0706 Full-time; 1.5 years

0707 Part-time; 3 years

Credit points: 72

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
Year 1				
BACH5281	(2558N)	Methodological Issues in Community Health	6	-
AHCD5003	(07503)	Integrative Paper	-	10
AHCD5001	(07501)	Health Promotion	-	6
AHCD5002	(07502)	Program Planning and Evaluation	6	-
AHCD5004	(07504)	Introduction to Community Health	6	-
AHCD5005	(07505)	Australian Society and Health	6	-
		Elective ¹	-	4
		Elective ¹	-	4
Stage total (48 credit points for Year 1)			24	24
Year 2				
AHCD5006	(07506)	Treatise	12	-
		2 Research Electives ²	12	-
Stage total (48 credit points for Year 2)			24	24
Part-time mode				
Year 1				
AHCD5001	(07501)	Health Promotion	-	6
AHCD5004	(07504)	Introduction to Community Health	6	-
AHCD5005	(07505)	Australian Society and Health	6	-
		Elective ¹	-	4
		Elective ¹	-	4
Stage total (26 credit points for Year 1)			12	14
Year 2				
AHCD5003	(07503)	Integrative Paper	-	10
BACH5281	(2558N)	Methodological Issues in Community Health	6	-
AHCD5002	(07502)	Program Planning and Evaluation	6	-
Stage total (22 credit points for Year 2)			12	10
Year 3				
AHCD5006	(07506)	Treatise	-	12
		Research Elective ²	6	-
		Research Elective ²	6	-
Stage total (24 credit points for Year 3)			12	12

Notes to Table 14.2

1. For a full list of Elective units please see page 133. Units in this course may be offered subject to sufficient students and staff availability. Each elective is 4 credit points. Electives from other courses in the University may be taken by students after consultation with the Community Health Coordinator and the appropriate School or Department. See Chapter 17.

2. Research Electives: Students will select with the aid of their supervisor appropriate Research Electives from the Faculty wide Masters Research Electives. See Chapter 17.

Graduate Certificate of Health Science (Indigenous Community Health)

This course will provide students with the relevant skills and attributes that are required for work in Indigenous context. The course focuses on the health needs of Indigenous people and provides training in cultural awareness, program planning and evaluation, and health promotion. The course involves project work that can accommodate the specific context and occupation of the participants.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

- i) have completed undergraduate diploma or degree in health science for relevant areas; or
- ii) evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate Course Outline.

Course outline

The course outline for the Graduate Certificate of Health Science (Indigenous Community Health) is presented in Table 14.3.

Table 14.3: Graduate Certificate of Health Science (Indigenous Community Health)

Course code	Mode of offer			
0701	Off-campus ; minimum 2 semesters, maximum 4 semesters			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD5038	(07538X)	Indigenous Health	6	-
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health	-	6
AHCD5002	(07502X)	Program Planning & Evaluation	6	-
AHCD5039	(07539X)	Health Promotion	-	6
Stage total (24 credit points for Year 1)			12	12

Graduate Diploma of Health Science (Indigenous Community Health)

This course enables students to apply theory to practice in Indigenous health settings. The graduate Diploma provides students with the opportunity of pursuing a project-based option or a number of specialist electives in various streams.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

- i) have completed degree in health science or other relevant areas; or
- ii) evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue Graduate Course Outline.

Course outline

The course outline for the Graduate Diploma of Health Science (Indigenous Community Health) is presented in Table 14.4.

Table 14.4: Graduate Diploma of Health Science (Indigenous Community Health)

Course code	Mode of offer			
0702	Off-campus; minimum 4 semesters, maximum 6 semesters			
Credit points: 48				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD5038	(07538X)	Indigenous Health	6	-
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health	-	6
AHCD5002	(07502X)	Program Planning & Evaluation	6	-
AHCD5039	(07539X)	Health Promotion	-	6
Stage total (24 credit points for Year 1)			12	12
Year 2 (Option 1)				
BACH5281	(2558NX)	Methodological Issues in Community Health	6	-
AHCD5040	(07540X)	Dissertation	-	6
		Elective	4	-
		Elective	-	4
		Elective	4	-
Stage total (24 credit points for Year 2 Option 1)			14	10
Year 2 (Option 2)				
BACH5281	(2558NX)	Methodological Issues in Community Health	6	-
AHCD5041	(07541X)	Project Development	6	-
AHCD5042	(07542X)	Project Management	-	6
AHCD5043	(07543X)	Project Report	-	6
Stage total (24 credit points for Year 2 Option 2)			12	12

Master of Health Science (Indigenous Community Health) by Coursework

This course enables students to develop advanced knowledge, skills and understanding of project evaluation and research in Indigenous health. The course is offered in a flexible mode and accommodates individual approaches to learning.

Admission requirements

In order to qualify for admission to the degree, applicants shall:

- i) have completed degree in health science or other relevant areas; or
- ii) evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue Graduate Course Outline.

Course outline

The course outline for the Master of Health Science (Indigenous Community Health) by Coursework is presented in Table 14.5.

Table 14.5: Master of Health Science (Indigenous Community Health) by Coursework

Course code	Mode of offer			
0703	Off-campus			
minimum	6 Semester			
maximum	8 Semester			
Credit points: 72				
Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD5038	(07538X)	Indigenous Health:	6	-
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health	-	6
AHCD5002	(07502X)	Program Planning & Evaluation	6	-
AHCD5039	(07539X)	Health Promotion	-	6
Stage total (24 credit points for Year 1)			12	12
Year 2 (Option 1)				
BACH5281	(2558NX)	Methodological Issues in Community Health	6	-
AHCD5040	(07540X)	Dissertation	-	6
		Elective	4	-
		Elective	-	4
		Elective	4	-
Year 2 (Option 2)				
BACH5281	(2558NX)	Methodological Issues in Community Health	6	-
AHCD5041	(07541X)	Project Development	6	-
AHCD5042	(07542X)	Project Management	-	6
AHCD5043	(07543X)	Project Report	-	6
Stage total (24 credit points for Year 2)			12	12
Year 3 (Option 1)				
		Research Elective	6	-
		Research Elective	6	-
AHCD5044	(07544X)	Treatise	-	12
Year 3 (Option 2)				
		Research Elective	6	-
		Research Elective	6	-
AHCD5045	(07545X)	Project Evaluation	-	12
Stage total (24 credit points for Year 3)			12	12

Notes to Table 14.5

1. The following elective units may be offered subject to staff availability. Each elective is 4 credit points. Electives from other courses in the University may be taken by students after consultation with the Course Coordinator (02) 9351 9127 and the appropriate School or Department. For more electives see See Chapter 17.

AHCD5008 (07508)	Aboriginal Health
AHCD5009 (07509)	Migrant and Refugee Health
AHCD5012 (07512)	Drug and Alcohol Studies
AHCD5013 (07513)	Health in the Developing World
AHCD5016 (07516)	Community Health Policy and Services

AHCD5020 (07520)	Community Development
AHCD5022 (07522)	Indigenous Family Health
AHCD5023 (07523)	Indigenous Mental Health
AHCD5027 (07527)	School Health
AHCD5030 (07530)	Housing and Health
AHCD5031 (07531)	Strategic Planning
AHCD5032 (07532)	Cultural Awareness for Migrant Health
AHCD5034 (07534)	Social Justice in Health
AHCD5036 (07536)	Independent Learning

2. Research Electives: Students will select with the aid of their supervisor appropriate Research Electives from the Faculty wide Masters Research Electives. See Chapter 17.

Master of Applied Science (Community Health) by Research

This course provides the opportunity for research in community health.

Admission requirements

To qualify for admission to the Master degree by research in Community Health applicants must:

- i) Have completed a bachelor degree in an area of relevance such as health, welfare, social, behavioural or biological sciences; or

- ii) Submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, AND
- iii) In addition, meet any other requirements for admission to the program as may be prescribed.

Course outline

The course outline for the Master of Applied Science (Community Health) by Research is presented in Table 14.6.

Table 14.6: Master of Applied Science (Community Health) by Research

Course code	Mode of offer
0708	Full-time; minimum 2 years
0709	Part-time; minimum 3 years

Full-time mode

Year 1 (and subsequent years)

AHCD6001	(07601 A)	Research	Thesis
AHCD6002	(07602B)	Research	Thesis

Part-time mode

Year 1 (and subsequent years)

AHCD6001	(07601 A)	Research	Thesis
AHCD6002	(07602B)	Research	Thesis

Units of study

AHCD5008 Aboriginal Health

Old code 07508X. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Contract learning.

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

AHCD 5005 Australian Society and Health

Old code 07505. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: February. **Classes:** Attendance required; night classes.

This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

AHCD 5020 Community Development

Old code 07520. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Independent learning package.

This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD 5016 Community Health Policy and Services

Old code 07516. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Independent learning package.

This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

AHCD 5033 Cultural Awareness for Indigenous Health

Old code 07533/07533X. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** External/distance mode.

The aim of this subject is to sensitise people of Indigenous and non-Indigenous communities with the cultural diversity in Indigenous societies. This is a subject which aims to increase participants knowledge through defining their prior knowledge of Indigenous culture.

AHCD 5032 Cultural Awareness for Migrant Health

Old code 07532. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** Contract learning.

The aim of this unit is to make the students aware of other's culture in communication. Living in a multicultural society means having knowledge about different skills in understanding other's view points and being able to put forward one's own point of views and ideas without prejudice and biases. To some extent, such communication in health care system is more acute due to the nature of health and healdi care system which needs to be appropriate and relevant to the needs of the clients. The purpose of this unit is to familiarise the students with an overview of other cultures, their means of communicating and using appropriate signals to receive and forward messages in some specific culture groups. Students in this unit will be able to concentrate on a specific ethnic group for their final project.

AHCD 5040 Dissertation

Old code 07540X. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Contract learning.

This unit aims to give students the opportunity to develop the skills required for an independent investigation in an area of relevance to their professional interests. This may take any one of

several forms, depending on the nature of the investigation and of the student's candidature. In all cases, the main component of the final report will be an extended literature analysis and critical review.

AHCD 5012 Drug and Alcohol Studies

Old code 07512. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** Independent learning package.

This unit introduces students to the issues surrounding drug and substance abuse in the community. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

AHCD 5013 Health in the Developing World

Old code 07513. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia's neighbours in the Pacific and Southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

AHCD 5001 Health Promotion

Old code 07501. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** External/distance mode.

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

AHCD 5039 Health Promotion

Old code 07539X. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: February, July. **Classes:** External/distance mode.

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

AHCD 5030 Housing and Health

Old code 07530. 4 credit points
Offered: July. **Classes:** Night classes.

The aim of this unit is to provide the students with skills in examining the health within the living environment. The aim is to equip the students with knowledge and skills for the examination, evaluation and surveying of present living condition, within the broad definition of health. The unit will ultimately prepare the students towards housing intervention strategies.

AHCD 5036 Independent Learning

Old code 07536. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: February. **Classes:** Contract learning.

The aim of this unit is to provide the students with opportunities in exploring areas of studies which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together. Students through their own set of objectives and negotiation with their supervisor identify their learning needs. A set of negotiation contract will facilitate this process.

AHCD 5022 Indigenous Family Health

Old code 07522. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** Independent learning package.

The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

AHCD 5038 Indigenous Health

Old code 07538X. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February, July. Classes: External/distance mode.

This unit examines the relationship between social inequality and the distribution of health in societies with particular reference to the Indigenous population. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

AHCD 5023 Indigenous Mental Health

Old code 07523. 4 credit points

Classes: Contract learning.

Mental Health has only been recently acknowledged as a specific health issue for Aboriginal and Torres Strait Islander people. In the past Aboriginal Mental health was treated in the realm of drug and alcohol problems. Indigenous Mental Health does require an insiders perspective, and a framework for acknowledging the injustices forced upon Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

AHCD 5003 Integrative Paper

Old code 07503. 10 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Contract learning.

This unit aims to give students the opportunity to develop the skills required for an independent investigation in an area of relevance to their professional interests. This may take any one of several forms, depending on the nature of the investigation and of the students candidature. In all cases, the main component of the final report will be an extended literature analysis and critical review. Master students, however, would normally be expected to develop their investigation as preparation for their treatise.

AHCD 5004 Introduction to Community Health

Old code 07504. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February. **Classes:** Attendance required; night classes.

This unit introduces students to the conceptual underpinnings of community health as a field of academic study and professional practice. It examines the unique matrix of disciplines which seek to document and explain the relationship between the health of individuals and communities and provides an overview of perspectives and approaches in the application of knowledge through community-based service development.

BACH 5281 Methodological Issues in Community Health

Old code 10486. 6 credit points

Offered: February.

This unit aims to develop a critical approach to methodological issues involved in the study of community health, to enable students to critically appraise the design of published research reports (involving both qualitative and quantitative approaches to data collection) and to provide a knowledge base upon which to develop an appropriate project for the unit Integrative Paper.

AHCD 5009 Migrant and Refugee Health

Old code 07509. 4 credit points

Offered: July. **Classes:** Independent learning package.

This unit seeks to analyse the pattern of migrant and refugee health and illness in Australia and to critically examine the sources of it. In addition, the course attempts to outline and eval-

uate the response of the Australian health care system to migrants and refugees.

AHCD 5002 Program Planning and Evaluation

Old code 07502/07502X. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February, July. **Classes:** External/distance mode.

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Student will also become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD 5041 Project Development

Old code 07541/07541X. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February. **Classes:** Contract learning.

This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and Community Development.

AHCD 5045 Project Evaluation

Old code 07545X. 12 credit points

Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Contract Learning.

The aim of this subject is to provide students with various tools in the process of evaluating their selected services/programs/projects.

AHCD 5042 Project Management

Old code 07542/07542X. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Contract learning.

In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

AHCD 5043 Project Report

Old code 07543X. Contact Postgraduate Coordinator, (02) 9351 9127

The aim of this subject is to give students opportunity to describe their evaluated project, explain its achievements/failures, discuss its significance and its financial implication for both consumers and service providers.

AHCD 6001 Research Thesis

Old code 07601 A.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

AHCD 6002 Research Thesis

Old code 07602B.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

AHCD 5027 School Health

Old code 07527. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Independent learning package.

Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.

AHCD 5034 Social Justice in Health

Old code 07534. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Contract learning.

Social justice is having equal opportunity for advancement in life. In health it means everyone having a fair opportunity to attain their full potential in life. In social settings there are circumstances which might enhance or hinder these developments. The purpose of this unit is to define inequalities and social injustices in health care system in accordance with various theories of models, discuss the advantages and disadvantages of using these models and suggests means to overcome these injustices.

AHCD 5031 Strategic Planning

Old code 07531. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Contract learning.

Strategic planning is used to create futures in large and small organisations, businesses, government agencies and health organisations. This elective is designed to provide health professionals with a model and set of tools to develop a long range strategic planning for an organisation, and the understanding and skills to use them. Students may use this opportunity to support the writing of a strategic plan for organisation to which they belong.

AHCD 5006 Treatise

Old code 07506. 12 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Contract learning.

The general aim of this unit is to synthesise post-graduate learning into a final project relevant to some aspect of community health. Students conduct and write up their project under the supervision of one or more members of the academic staff.

Research centres

The Faculty has three Research Centres established to encourage research in specific areas of the health sciences. Students can enrol in a research degree (Master of Applied Science or PhD) in any of the Research Centres. Information on the degree of Doctor of Philosophy is contained in Chapter 4.

Master of Applied Science

Admission requirements

In order to qualify for admission to this course:

- i) The Faculty, may, on the recommendation of the Head of the department/school/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.
- ii) Notwithstanding subsection (i), the Academic Board may admit a person to candidature in accordance with the provisions of Chapter 10 of the By-laws.

Selection process

Students wishing to enrol in a research degree in one of the Faculty Research Centres should apply for admission to candidature within the Centre.

The Centre in which admission has been sought will select from among the applicants who meet the entry requirements.

Course outline

The course outline for the Master of Applied Science is presented in Table 15.1.

Master's research thesis

The successful submission of a research thesis is the ultimate objective of the program. The process will necessitate a collaborative endeavour between a student and the supervisor and will involve a student's advisory committee.

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.

For enquiries contact the Director of the Centre, Associate Professor Mark Onslow.

Phone: (02) 9790 8793

Fax: (02) 9790 8392

Email: M.Onslow@cchs.usyd.edu.au

<http://www.cchs.usyd.edu.au/Academic/ASRC>

National Voice Centre

The National Voice Centre is a University Centre which developed from the Faculty of Health Sciences with the support of individuals within the University and community including the Sydney Conservatorium of Music. It is dedicated to excellence in the art, care and science of voice.

The National Voice Centre offers several research based degrees in voice, singing and wind instrument performance. The program for each graduate student in the National Voice Centre is individually tailored. For most candidates, a research advisory team is established consisting of the supervisor(s) as well as advisers in artistic or clinical areas.

The Centre has established research links with a number of other groups, both within and outside the University. In particular, the Centre has links with respiratory medicine specialists, voice clinicians, ENT specialists, and with major institutions and associations related to vocal performance.

The National Voice Centre currently comprises 22 graduate students, one full-time research staff member, one 0.4 research staff secondment, thirteen Honorary Associates, six advisers/supervisors from other departments of the University of Sydney as well as a number of external research advisors from a variety of related fields. The Centre has established a strong research program in the science of vocal performance, particularly with regard to respiratory mechanics, control and acoustics of voice and laryngeal physiology.

The Centre is located on both the Cumberland and Camperdown campuses of the University of Sydney. Facilities are excellent with equipment for respiratory measurement, muscle and physiological recording being the focus of the new purpose-built research laboratory on the Cumberland campus while digital laryngeal imaging via fiberoptic laryngoscopy/stroboscopy and acoustic analysis of the performance voice are the research foci of the Camperdown campus. As the Centre's computers are all networked, students may elect to work on either campus at any time in order to take full advantage of the research potential on each campus.

Current research projects include: breathing in speech, counter tenor voice, the role of respiration in emotional expression in song (funded by the Australian Research Council 1998-2000), 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 classical singing and flute playing, therapeutic effects of singing, ultrasonography of respiratory muscle activity and operatic voice production.

For enquiries contact the Director of the Centre, Associate Professor Pamela Davis.

Phone: (02) 9351 5352

Fax: (02) 9351 5351

Email: p.davis@cchs.usyd.edu.au

<http://www.cchs.usyd.edu.au/NVC/>

Rehabilitation Research Centre

In March 1989, the Cumberland College of Health Sciences established the Rehabilitation Research Centre with the charter to raise research productivity in the area of rehabilitation. In 1994, the Rehabilitation Research Centre became a research centre of the Faculty of Health Sciences.

Objectives of the Centre

The research objectives for the Rehabilitation Research Centre are to:

- increase research productivity, publication and scholarship in the area of rehabilitation
- stimulate and provide support for existing researchers in the Faculty of Health Sciences
- stimulate and provide training programs for beginning researchers, particularly staff and clinicians
- develop proposals for funding so as to support the continued activities of the Rehabilitation Research Centre.

The educational and promotional objectives are to:

- attract eminent rehabilitation researchers to the Faculty to collaborate with staff at the Centre

- provide post doctoral fellowships
- provide stimulating research environments for postgraduate students
- strengthen relationships between the Rehabilitation Research Centre and other clinically and research orientated institutions
- organise and conduct national and international symposia on rehabilitation issues relevant to the Centre's research directions
- foster and promote the interchange of ideas between researchers and local clinicians using the workshop model
- provide a limited, but high quality rehabilitation service for patient assessment, prescription and follow-up through private funding arrangements.

For enquiries contact the Director of the Centre, Associate Professor Glen Davis.

Phone: (02) 9351 9466

Fax: (02) 9351 9977

Email: Rehab@cchs.usyd.edu.au

<http://www.cchs.usyd.edu.au/Academic/RRC/>

Table 15.1: Master of Applied Science (Research)

Australian Stuttering Research Centre

Course code	Mode of offer
2403	Masters; Full-time
2404	Masters; Part-time
Unit code	Mode of offer
STUT6002	24501A Masters; Research Thesis, year 1
STUT6003	24501B Masters; Research Thesis, year 1
STUT6004	24502A Masters; Research Thesis, year 2
STUT6005	24502B Masters; Research Thesis, year 2

National Voice Centre

Course code	Mode of offer
2103	Masters; Full-time
2104	Masters; Part-time
Unit code	Mode of offer
VOIC6002	21501A Masters; Research Thesis, year 1
VOIC6003	21501B Masters; Research Thesis, year 1
VOIC6004	21502A Masters; Research Thesis, year 2
VOIC6005	21502B Masters; Research Thesis, year 2

Rehabilitation Research Centre

Course code	Mode of offer
2303	Masters; Full-time
2304	Masters; Part-time
Unit code	Mode of offer
REHA6002	23501A Masters; Research Thesis, year 1
REHA6003	23501B Masters; Research Thesis, year 1
REHA6004	23502A Masters; Research Thesis, year 2
REHA6005	23502B Masters; Research Thesis, year 2

Unit code	Unit name	Sem 1	Sem 2
Full-time mode			
<i>Year 1</i>			
XXXXX	Research Thesis Preparation ¹	-	
XXXXX	Research Thesis Preparation ¹	-	
<i>Year 2</i>			
XXXXX	Research Thesis	-	-
XXXXX	Research Thesis	-	
Part-time mode			
<i>Year 1</i>			
XXXXX	Research Thesis Preparation ¹	-	
XXXXX	Research Thesis Preparation ¹	-	
<i>Year 2</i>			
XXXXX	Research Thesis Preparation ¹	-	
XXXXX	Research Thesis Preparation ¹	-	
<i>Year 3</i>			
XXXXX	Masters Research Thesis	-	
<i>Year 4</i>			
XXXXX	Research Thesis Preparation 1	-	
XXXXX	Research Thesis Preparation!		-

Note to Table 15.1

1. In the thesis preparation it may be deemed appropriate, by the principal supervisor, for a student to enrol in graduate elective units.

Singapore courses

The chapter provides detailed course information for the Master of Health Science (Management) offered in Singapore.

The off-shore (Singapore-based) program is conducted by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. Graduates from the program will graduate with a University of Sydney award.

The ongoing responsibility for managing the course lies with the Faculty of Health Sciences. In particular the Dean's Office coordinate interactions with the Singapore Institute of Management, and the Singapore Ministry of Health. The role of the Singapore Institute of Management is to provide a vehicle for implementing the course.

Master of Health Science (Management)

Off-shore (Singapore-based)

The Faculty of Health Sciences offers the Master of Health Science (Management) to students in the health sector of Singapore. The program is designed to develop the health services management knowledge and skill of students.

Admission requirements

- i) A Bachelor degree in health sciences from a recognised tertiary institution; and
- ii) A minimum of three years experience in the health services of a kind acceptable to the Dean of the Faculty of Health Sciences; or
- iii) Such qualifications as are deemed to be equivalent to (i) or (ii).

Course outline

The course outline for the Master of Health Science (Management) is presented in Table 16.1.

Table 16.1: Master of Health Science (Management)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Part-time mode				
<i>Year 1</i>				
SING5001	(20501)	Organisational and Managerial Behaviour	6	-
SING5002	(20502)	Health Economics	6	-
SING5003	(20503)	Health Service Leadership and Change	-	6
SING5004	(20504)	Accounting and Financial Management for Health Service Managers	-	6
Stage total (24 credit points for Year 1)			12	12
<i>Year 2</i>				
SING5005	(20505)	Health Service Marketing	6	-
SING5006	(20506)	Strategic Management and Planning	6	-
SING5007	(20507)	Health Sector Human Resource Management and Industrial Relations	-	6
SING5008	(20508)	Information and Decision Analysis	-	6
Stage total (24 credit points for Year 2)			12	12

Master of Health Science (Management) Honours

A candidate may be invited to enter the master degree award with honours. Candidates with a 65 percent pass or better in all units of study and a 75 percent pass or better in at least two units of study may apply to complete the additional honours requirement of a dissertation.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the

semester following that in which all coursework is completed. The dissertation will be deemed to be worth 24 credit points and will normally be completed within two semesters.

Course outline

The course outline for the Master of Health Science (Management) Honours is presented in Table 16.2.

Table 16.2: Master of Health Science (Management) Honours

Unit code	(old code)	Unit name	Sem 1	Sem 2
<i>Years 1 and 2</i> as per Pass course				
<i>Year 3 Honours</i>				
SING5012	(20510)	Dissertation	12	12
Stage total (24 credit points for Year 3)			12	12

Units of study

SING 5004 **Accounting and Financial Management for Health Service Managers**

Old code 20504. 6 credit points

Offered: July.

Accounting and information needs; accounting principles; financial statements; inventory, asset and financial reporting and management; management accounting; cost, budgeting and expenditure analysis; funding options and models in health care; investments; financing; dividends; risk management.

SING 5012 **Dissertation**

Old code 20509B. 24 credit points

Offered: February, July.

Semester 1-12 credit points; Semester 2-12 credit points;

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

SING 5002 **Health Economics**

Old code 20502. 6 credit points

Offered: February.

Introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. Introduction to microeconomics, health care markets, market failure, government intervention and the values that underly decision-making.

SING 5007 **Health Sector Human Resource Management and Industrial Relations**

Old code 20507. 6 credit points

Offered: July.

HRM and IR theories; historical context; skills; the IR system in Singapore; role and application of various HRM and IR techniques; internal and external labour markets; motivation and productivity; OH&S; EEO; globalisation of HRM and IR.

SING 5003 **Health Service Leadership and Change**

Old code 20503. 6 credit points

Offered: July.

Historical and current theories of leadership; leader-follower behaviour; the language, rhetoric and practice of leaders; the imperative for change; models of change; change management strategies and tactics; continuous quality improvement; application to the Singapore environment.

SING 5005 **Health Service Marketing**

Old code 20505. 6 credit points

Offered: February.

The marketing concept; theory and practice; services marketing and its relationship to health care; analysing market needs in health care; marketing strategy, planning and development; marketing and competitor analysis; competitor behaviour; marketing program design; ethical marketing for health care; case studies in health services marketing; marketing program evaluation.

SING 5008 **Information and Decision Analysis**

Old code 20508. 6 credit points

Offered: July.

Computing and information analysis; decision analysis and control; Information systems development, management; decision support systems and EIS; health information management - sources, limitations, issues, principles.

SING 5001 **Organisational and Managerial Behaviour**

Old code 20501. 6 credit points

Offered: February.

Historical development of management and organisations; perspectives on organisations; individual and group behaviour; theories of organisation; organisational politics, culture, structure; organisational communication.

SING 5006 **Strategic Management and Planning**

Old code 20506. 6 credit points

Offered: February.

Environmental scanning; scenario planning; strategic behaviour; managing strategically; expressing strategic intent; competitive strategy; ideas, tools and techniques of the strategist; the learning organisation; strategic planning; evaluation; relationship to leadership.

Elective units of study

The information provided in this schedule includes an individual code for each unit of study - ie, electives for postgraduate students. Not all electives are offered each semester. The mode of presentation varies between schools and departments. Students who require further information about the content or administration of electives and when they are offered should contact the school/department offering the specific elective. To obtain this information a unit of study code has been used next to the unit title:

- The four letter prefix represents the school/department in which the elective is taught (see Table 17.1)
- the first digit represents the level of that unit:
5xxx = Postgraduate Coursework
6xxx = Masters Research
7xxx = PhD
- a further three digits distinguish the particular unit of study
- during the transition to the new unit code format, the old 'subject' code is also listed.

Each unit of study (elective) has a credit point value. Students should note that limitations on enrolment are imposed for some units of study.

Faculty electives

BACH 5138 Abnormal Psychology and Mental Health

Old code 2554K/2554KX. 6 credit points
C. Lennings, (02) 9351 9587

Offered: February, July. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assessment:** 5 case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSMIV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules

two and three will involve learning by case studies. The Unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review.

AHCD 5008 Aboriginal Health

Old code 07508X. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Contract learning.

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

BACH 5001 Adult Learning

Old code 25500/25500X. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: February, July. **Classes:** Night classes (starts after 4.00pm); external/distance mode; independent learning packages.

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

BACH 5323 Advanced Counselling Skills

Old code 2559T/2559TX. 6 credit points

C. Lennings, (02) 9351 9587, and D. Kenny, (02) 9351 9644

Offered: July. **Classes:** Contract learning.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The Unit is taught as a series of six seminars in the semester following completion of the Counselling Unit. The Unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken.

BACH 5149 Ageing and Australian Society

Old code 2554X. 6 credit points

Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Contract learning.

A sociological analysis of ageing in Australia will lead the student to an understanding of the multiple relationships between social structures and processes, the individual experience of ageing and the position of elderly people in Australian society.

Table 17.1: Unit code prefixes

Prefix	Taught by	Office	Phone
BIOS	Department of Biomedical Sciences	S134	(02) 9351 9455
DHSC	Doctor of Health Science	G101	(02) 9351 9220
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
fiIMT	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

EXSS 5029 Applied Physiology

Old code 22529. 6 credit points

Dr Chin Moi Chow

Offered: February.

A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology, Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiovascular, respiratory, metabolic, renal, neuromuscular and thermoregulatory responses to exercise. The effects of thermal and hypoxic environmental stresses on exercise responses are then considered. The modifying effects of physiological adaptations arising from deconditioning, physical training and acclimatisation are examined in the light of variations in habitual activity and environmental stress. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

BACH 5292 Art Therapy I

Old code 2558Y. 6 credit points

Lily Lee, (02) 9351 9228

Offered: February, July. **Classes:** Weekend classes.

Art Therapy offers principles, processes and practice in art-imagery therapy at an introductory level. Art Therapy is seen as an integration of nonverbal and verbal processes; and an integration of psychological therapies with creative expressive processes. The orientation presented is eclectic and is based on theories of imagery, perception, and non-interpretive therapy. The focus is on practice and skills attainment and an understanding of why and how these art therapy processes are used within the overall client plan. Counselling experience is preferred. This unit is conducted over 3 to 4 weekends

BACH 5317 Art Therapy II

Old code 2559N. 6 credit points

L. Lee, (02) 9351 9228

Offered: February, July. **Prerequisite:** Art Therapy I BACH 5292 (2558Y). **Classes:** Weekend classes.

The nonverbal processes of Art Therapy and Imagery are particularly important in working with the survivors of trauma and traumatic emotions can be encoded in nonverbal imagery. This unit of study will offer students the opportunity to understand and experientially learn skills in some specific Art Therapy and Imagery processes. These processes can be used with adults and children suffering from symptoms of traumatic life experiences. With the emphasis on experiential skills training, current trauma treatments will be reviewed. This unit is conducted over 3 to 4 weekends

BACH 5153 Assessment of Learning

Old code 25552. 6 credit points

F. Everingham, (02) 9351 9116

Offered: February. **Prerequisite:** Instructional Design and Teaching Skills (08505). **Classes:** Night classes; independent learning package; external/distance mode.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

AHCD 5005 Australian Society and Health

Old code 07505. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February. **Classes:** Attendance required; night classes.

This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy

Old code 2554L. 6 credit points

Dr Mairwen Jones, (02) 9351 9571

Offered: February. **Classes:** Contract learning.

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, directed independent study unit.

BACH 5216 Behavioural Aspects of Ageing

Old code 2556U. 6 credit points

Steve Cumming, (02) 9351 9404

Offered: February. **Classes:** Independent learning package; external/distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people. This elective is conducted in on-campus mode via directed independent study.

BACH 5140 Biofeedback

Old code 10519. 4 credit points

Classes: contract learning.

NB: Not offered in 2000.

This elective covers the history of the development of biofeedback research, and considers the range of biofeedback modalities used in therapy to alleviate physical health problems. The main modalities examined are those related to the electromyograph, skin temperature, GSR, and the electroencephalograph. Other areas also considered include blood pressure, heart and respiration rate, blood sugar levels, and incontinence. Recent research, exploring other areas, is critically examined.

BIOS 5041 Biological Aspects of Ageing

Old code 11502X. 6 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Independent learning package.

Assessment: Written assignment.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing.

BIOS 5049 Body Function for Health Professionals

Old code 11514. 4 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Directed independent study. **Assessment:** Written examination and assignment.

This unit of study is designed for students who wish to expand their knowledge of the factors affecting human function in health and disease. It will help students to understand how body function affects day to day activities of living. The subject will be taught from a functional viewpoint, making it suitable for all students, regardless of their existing knowledge of physiology or anatomy.

The major body systems to be studied are the cardiovascular and respiratory systems. The other major units of study are pharmacology (examining the therapeutic benefits and side effects of commonly used drugs, compliance and adverse reactions), and disease and infection control.

The focus will be on the function of the healthy body, and the implications of dysfunction in each of the systems studied. Development and ageing will be studied.

HIMT5021 Casemix Funding and Financial Management

Old code 09503. 6 credit points

Prof Beth Reid, (02) 9351 9494

Offered: July. **Classes:** Attendance required. Classes will be held one evening per week.

This unit is concerned with one of the main applications of casemix data, paying hospitals on the basis of their output. The various models used for casemix based payment systems in Victoria, Queensland and South Australia are explored. The unit explains the methods used to cost the activities of hospitals and set the prices of the AN-DRGs. Differences in the population and casemix based funding approaches are examined with special reference to experiences with integrating the two in NSW and Queensland. In addition, the potential role of casemix in a provider-purchaser split funding model is also considered. A casemix management game is used to provide insight into the potential impact of casemix based funding at the hospital level. The unit also examines the issues surrounding the use of casemix based budgeting within hospitals.

HIMT 5044 Casemix Measurement Systems

Old code 09438. 2 credit points
Joanne Callen, (02) 9351 9493

Offered: July. **Classes:** Attendance required. Classes will be held one evening per week.

This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

BACH 5313 Child and Adolescent Psychology

Old code 2559J. 6 credit points
Dr Chris Lennings, (02) 9351 9587, and Dr Diana Kenny, (02) 9351 9644

Offered: February.

This unit will provide students with an understanding of the major theories of child and adolescent development, research methods appropriate to its study, an overview of current issues in childhood and adolescence and the applications of developmental theory to health professional practices. The focus in this unit will be on normal development.

BACH 5308 Children's Health and Welfare Policy

Old code 2559E. 4 credit points

Offered: Full Year (starts Feb). **Classes:** contract learning.

NB: Not offered in 2000.

Using data to assist identification of risks to children's health and welfare, and through an assessment of existing legislation and/or services related to risk control, students will design a program for the delivery of a health or social welfare service for children which aims to improve upon current service delivery structures and their outcome.

HIMT 5025 Clinical Data Management and Clinical Trials

Old code 09507. 6 credit points
Johanna Westbrook, (02) 9351 9494

Offered: July. **Classes:** External/distance mode.

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

BACH 5085 Clinical Teaching and Supervision

Old code 25533/25533X. 6 credit points
Victoria Neville, (02) 9351 9118

Offered: February. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

Distance education and on campus mode night classes with independent learning packages; two optional audioconferences; email support.

BIOS 5050 Clinically Oriented Musculoskeletal Anatomy

Old code 11515. 4 credit points
Cathering Willis, (02) 9351 9458

Offered: February, July. **Classes:** On-campus; Independent Learning Package. **Assessment:** Written examination and assignment.

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the Musculoskeletal System of the human body. The structures studied have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the practical applications of the knowledge within the framework of clinical situations. There is scope within this unit of study for detailed investigation of areas of the body, including histology and embryology where the knowledge is relevant to a particular health profession. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, tutorials, practical classes, CD-ROM based learning support packages and self-directed learning.

BACH 5141 Cognitive Function in Neurological Disorders

Old code 2554N. 4 credit points
Lynn Harris, (02)9351 9162

Classes: Contract learning.

NB: Not offered in 2000.

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

BACH 5036 Community Aged Care

Old code 2551 P. 6 credit points
Dr Cherry Russell, (02) 9351 9129

Offered: February, July. **Classes:** Contract learning.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of 'deinstitutionalisation' as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg, a particular service type of practice issue, elder abuse, social isolation, homelessness).

BACH 5184 Community and Family: Social and Policy Perspectives

Old code 2555Y. 6 credit points
Rosemary Cant, (02) 9351 9560

Offered: July. **Classes:** Contract learning.

This unit develops an understanding of urbanisation and the concept of community in relation to young adults. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, intensity 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 in youth and adolescence. The interplay between assistance offered by formal health-care and community organisations with informal support is discussed from a sociological perspective. The debate about the predominance of the modified extended family versus the various types of nuclear families is considered and the effects of life-cycle stage and culture are examined. In particular it investigates dependency and support within the family context. Important foci of the unit are the structure and functions of the Australian family and the role of public policies in shaping them. These will be addressed in a historical context.

AHCD5020 **Community Development**

Old code 07520. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Independent learning package.

This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD 5016 **Community Health Policy and Services**

Old code 07516. 6 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Classes: Independent learning package.

This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

AHCD 5015 **Community Nutrition**

Old code 07515. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** Contract learning.

This unit aims to increase knowledge and develop skills of allied health professionals concerning the theory and methods of community nutrition practice and service delivery. A major goal is to enable students to identify and utilise opportunities for appropriate development and integration of community nutrition services within the general health services in which they work.

BACH 5228 **Computers for Teacher Productivity**

Old code 25576. 6 credit points
Victoria Neville, (02) 9351 9118
Offered: February. **Classes:** Class attendance required; weekly classes, on-campus only. **Assessment:** (Non exam) assignment based.

This unit provides opportunities for participants to explore and develop skills in the ways computers are used to enhance the productivity of health science educators. It focuses on the selection and use of the appropriate computer application software to create written and graphic teaching materials, create databases and spreadsheets for teaching administration purposes, search journal databases stored on CD-ROM, and the internet. Class size will be limited by the number of computers available.

BACH 5198 **Contemporary Issues I**

Old code 2556C. 6 credit points
C. Lennings, (02) 9351 9587, and D. Kenny, (02) 9351 9644
Offered: February, July.

This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

BACH 5200 **Contemporary Issues II**

Old code 2556E. 6 credit points
Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: February. **Prerequisite:** Contemporary Issues I BACH 5198 (2556C).

This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment not previously studied in Contemporary Issues I. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

BACH 5143 **Counselling**

Old code 2554P/2554PX. 6 credit points
Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: February. **Classes:** Class attendance required. **Assessment:** Audio-tape; literature review.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its

emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, outplacement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

BACH 5294 **Counselling Practicum**

Old code 25590. 6 credit points
Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: July. **Prerequisite:** Counselling BACH 5143 (2554P). **Corequisite:** Advanced Counselling Skills BACH 5323 (2559T).
NB: Not available in 2000.

The practicum serves to ensure students are able to use the skills of counselling in real situations. The unit also provides students with their initial experiences of supervision.

AHCD 5033 **Cultural Awareness for Indigenous Health**

Old code 07533/07533X. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** External/distance mode.

The aim of this subject is to sensitise people of Indigenous and non-Indigenous communities with the cultural diversity in Indigenous societies. This is a subject which aims to increase participants knowledge through defining their prior knowledge of Indigenous culture.

AHCD 5032 **Cultural Awareness for Migrant Health**

Old code 07532. 4 credit points
Contact Postgraduate Coordinator, (02) 9351 9127
Offered: July. **Classes:** Contract learning.

The aim of this unit is to make the students aware of other's culture in communication. Living in a multicultural society means having knowledge about different skills in understanding other's view points and being able to put forward one's own point of views and ideas without prejudice and biases. To some extent, such communication in health care system is more acute due to the nature of health and health care system which needs to be appropriate and relevant to the needs of the clients. The purpose of this unit is to familiarise the students with an overview of other cultures, their means of communicating and using appropriate signals to receive and forward messages in some specific culture groups. Students in this unit will be able to concentrate on a specific ethnic group for their final project.

BACH 5007 **Curriculum Leadership**

Old code 25506/22506X. 6 credit points
Fran Everingham, (02) 9351 9116
Offered: July. **Prerequisite:** Instructional Design and Teaching Skills (08505) and Adult Learning (08504). **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work.

Distance education and on campus mode (night classes) with independent learning packages; two optional audioconferences; email support.

HI MT 5026 **Database Systems**

Old code 09508. 6 credit points
Angelika Lange, (02) 9351 9570
Offered: July.

This unit covers the study of relational database design, using SQL, Microsoft Access and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system. It also introduces the student to Systems Analysis and De-

sign, which includes the system life cycle, data flow diagrams, data dictionaries, cost/benefit analysis, scheduling (PERT and CPM) techniques, system testing and conversion, and data security.

This unit is offered by distance mode, however, preliminary tuition is given during a Residential that is held on-campus in the last week of June. Students wishing to commence this unit in Semester 2 should contact the School no later than the first week of June in order to receive information about the Residential.

BACH 5116 Developing a Web-based Education System

Old code 2553Y/2553YX. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: July. **Classes:** Web-based (distance and on-campus mode (night classes)).

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

BACH 5289 Disability and the Community

Old code 2558V. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not available in 2000.

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

BACH 5288 Disability and the New Genetics

Old code 2558U. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

This unit examines the influence of current research into the genetic basis of disability and disease on how the community and health professions view health, disability and disease. This unit will look at the role of genetic counselling in health care. Students will also examine how the increasing availability of genetic testing for many genetic disorders will affect individuals and their families. Some of the topics covered will be definitions of genetic counselling, application of genetic counselling to different groups (ie pre-symptomatic testing, diagnostic testing, pre-natal testing), goals of genetic counselling and testing. The unit will examine the different perspectives of health professions in genetic counselling and testing ie clinical geneticists, science trained counsellors, social workers, psychologists and nurses. The course will also examine how the presence of genetic disease or disorder affects the individual and family (will cover various types of condition and patterns of inheritance). The dilemmas individuals and their families face in deciding whether or not to seek genetic counselling will also be discussed.

BACH 51G1 Distance Learning

Old code 2553J/2553JX. 6 credit points

DrM Mahony, (02) 9351 9754

Offered: February. **Classes:** Independent learning package; external/distance mode; one 2-hour on-campus evening group meeting; one audioconferenced group meeting. **Assessment:** Three written assignments: proforma based review, journal, and report, no exam.

Participants in this unit will investigate contemporary distance education policies and practice and develop their ability to se-

lect policy and practice options which best fit a set of specific client needs. As part of their studies they will also investigate one or more delivery media and critically evaluate its contribution to the teaching/learning situation for a specified situation. Throughout the unit they will be expected to draw on their understanding of educational design and adult education principles. Offered in distance education mode with independent learning materials package, one 2 hr on-campus evening group meeting (alternative activities negotiated for students unable to attend) and one audioconferenced group meeting. Three written assignments (proforma based review, journal, and report: no exam).

AHCD 5012 Drug and Alcohol Studies

Old code 07512. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Independent learning package.

This unit introduces students to the issues surrounding drug and substance abuse in the community. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

BACH 5266 Ecological, Environmental and Nutritional Health

Carol O' Donnell, (02) 9351 9580, and Kaye Brock, (02) 9351 9124.

Classes: Contract learning.

Human ecology is the study of the interaction of people with their environment. Thus the aim of this unit is to provide students with the theoretical background to health within the context of the dynamics and distribution of populations. The role of environmental factors in the health of humans will be investigated with special emphasis on nutrition.

BACH 5002 Educational Design

Old code 25501/25501X. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: July. **Classes:** Class attendance required: night classes; independent learning packages; email support; external/distance mode. **Assessment:** (Non exam) assignment-based.

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking educational design project.

BACH 5128 Educational Innovation Project A (Health Science Education Only)

Old code 2554A/2554AX. 6 credit points

Victoria Neville, (02) 9351 9118 and subject specialists where relevant.

Offered: February. **Assessment:** Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance and education and on campus mode (night classes) with email support.

BACH 5129 Educational Innovation Project B (Health Science Education Only)

Old code 2554B/2554BX. 6 credit points

Victoria Neville, (02) 9351 9118 and subject specialists where relevant.

Offered: July. **Assessment:** Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance and education and on campus mode (night classes) with email support.

BACH 5004 Educational Practice

Old code 25503/25503X. 6 credit points

Victoria Neville, (02) 9351 9118

Offered: July. **Prerequisite:** Instructional Design (08505). **Classes:** Contract learning.

Participants undertake an independent learning project in which they develop a teaching plan or product relevant to their professional setting.

Distance education and on campus mode with email support. Directed independent learning contract including negotiated assessment.

BACH 5286 Ethnic Minorities and Health Care in Australia

Old code 2558S. 6 credit points
Toni Schofield, (02) 9351 9577

Offered: July. **Classes:** Contract learning.

This unit explores the health and health care experiences of Australians from non-English speaking backgrounds (NESB). It does so by examining the concept of cultural diversity in health in relation to structures of class, gender and ethnicity. The unit will be presented in contract learning mode with individual student consultations. Assessment will be an essay, and topics will be decided through negotiation between the unit coordinator and the student.

HIMT5045 Epidemiology

Old code 09439. 2 credit points
Johanna Westbrook, (02) 9351 9494

Offered: July. **Classes:** Attendance required; day classes.

This unit introduces the student 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 measures for 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 presentation in data management.

BACH 5003 Facilitating Learning

Old code 22502/25502X. 6 credit points
Fran Everingham, (02) 9351 9116

Offered: July. **Prerequisite:** (or corequisite) Group Dynamics (08426). **Classes:** Weekend classes; independent learning package; external/distance mode. **Assessment:** Essay and report based (no exam).

The primary function of a teacher is the facilitation of effective learning. Micro skills of teaching and facilitation skills that enable learning from experience are both studied and practiced. The process of reflection is used to illuminate and develop personal style. Knowledge of learning in groups (group dynamics) is useful.

Distance education and on campus mode with independent learning packages and email support. Both modes are encouraged to attend three Saturday workshops for skills practice.

OCCP 5069 Family and Community Care

Old code 15507. 6 credit points
Offered: July. **Classes:** night classes.

This unit of study examines family and community care within the context of social, economic and political processes and structures. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conducive to the provision of reliable and effective family and community care? Systematic analysis of empirical evidence from the international literature is encouraged to discern varying socio-cultural approaches to family and community care and their application in the Australian context. Research issues covered will include the differing nature of formal and informal care; care giving burden; the neglected dimension of satisfactions of caring; the temporal aspect of care giving; assessing family carers' needs for support and services. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health arena.

HIMT 5033 Financial Management in Health Care Facilities

Old code 09515. 2 credit points

Offered: February. **Classes:** Attendance required; day classes.

In this unit students are introduced to the financial management of hospitals and health care 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 5023 Fundamentals of Medicine and Medical Terminology

Old code 09505. 6 credit points
Enquiries (02) 9351 9494

Offered: February. **Classes:** Independent learning package; external/distance mode.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

BACH 5186 Graduate Skills for Professional Development

Old code 25560. 6 credit points
Zakia Hossain, (02) 9351 9340

Offered: February, July.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical annotated bibliography, formation of tables and graphs, critical literature review leading to the presentation of a grant proposal, a conference presentation or a draft journal article. There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

HIMT 5018 Health Care Evaluation

Old code 09470. 2 credit points
Joanne Callen, (02) 9351 9493

Offered: July. **Classes:** Attendance required; day classes.

In this unit students are introduced to the concepts of quality health care. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, 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 care, along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

HIMT 5035 Health Care Systems

Old code 09517. 2 credit points
Johanna Westbrook, (02) 9351 9494

Offered: February. **Classes:** Attendance required; day classes.

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.

BIOS 5018 Health, Dysfunction and Ageing

Old code 11433X. 6 credit points

Dr Peter Knight, (02) 9351 9339

Offered: July. **Classes:** Directed. **Assessment:** Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

AHCD 5013 Health in the Developing World

Old code 07513. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia's neighbours in the Pacific and Southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

BACH 5148 Health Policy and Social Theory

Old code 2554V. 6 credit points

Dennis McIntyre, (02) 9351 9567

Offered: February. **Classes:** Contract learning.

This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issue covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg. consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention?

This unit will be conducted in the on-campus mode during the Second Semester 2000 and will require two hours attendance (evenings) for 13 weeks.

BACH 5319 Health, Population and Policy Development

Old code 2559P. 6 credit points

Zakia Hossain, (02) 9351 9340

Offered: February. **Classes:** Contract learning.

This unit examines the changing population characteristics of Australia and the effect of health and well being; health delivery services and policy development. The unit provides a socio-demographic analysis of changing patterns of mortality and morbidity, nuptiality and fertility in Australia over time and their impact on policy development in particular health policy. The unit also examines Australia's population and health in a global context. The unit uses cross-cultural and cross sectional analyses in understanding the issues relevant to population change, health and policy development.

AHCD 5001 Health Promotion

Old code 07501. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** External/distance mode.

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and

practices in developing culturally appropriate health promotion services/programs/projects.

AHCD 5039 Health Promotion

Old code 07539X. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February, July. **Classes:** External/distance mode.

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

BACH 5008 Health Promotion, Planning and Evaluation

Old code 25507. 6 credit points

Carol O'Donnell

Offered: July. **Prerequisite:** (or corequisite) Introduction to Health Education (08481). **Classes:** Attendance required.

NB: Not offered in 2000.

Models for planning and evaluation are examined. Application of these to the local context is a key strategy for learning.

BACH 5306 Health Risk Management (International Perspectives)

Old code 2559C/2559CX. 6 credit points

Carol O'Donnell, (02) 9351 9580

Offered: Full Year (starts Feb). **Classes:** Contract learning; external/distance mode.

This unit aims to provide students with an understanding of the requirements of basic health risk management in the context of the principles adopted by the Asia/Pacific Economic Cooperation (APEC) Agreement and other relevant international standards and agreements. The course addresses the background to the Asia/Pacific Economic Cooperation (APEC) Agreement; key principles, and ramifications for parties to the agreement. Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health, work and rehabilitation are also addressed. Students also examine the problems of implementing APEC principles and effective health risk management, and suggest the means by which some of these problems might be overcome.

AHCD 5030 Housing and Health

Old code 07530. 4 credit points

Offered: July. **Classes:** Night classes.

The aim of this unit is to provide the students with skills in examining the health within the living environment. The aim is to equip the students with knowledge and skills for the examination, evaluation and surveying of present living condition, within the broad definition of health. The unit will ultimately prepare the students towards housing intervention strategies.

EXSS 5030 Human Mechanics

Old code 22530. 6 credit points

Peter Sinclair

Offered: February.

This unit applies the principles of functional anatomy and biomechanics to the analysis of selected activities. The unit aims to investigate the relationship between anatomical structure and function particularly in relation to the body during sport and exercise. Methods of estimation of muscle activity (electromyography) will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. The unit will also introduce some basic analysis of human physical task performance. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

HIMT 5032 Human Resource Management

Old code 09514. 2 credit points

Joanne Callen, (02) 9351 9493

Offered: February. **Classes:** Attendance required; day classes.

This unit is designed to introduce the student to the human resource management functions relevant to the work of the 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 industrial relations framework in Australia with particular emphasis on the current workplace focus and conflict resolution are covered and students are also taught to prepare their own curriculum vitae.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

BACH 5044 Implementing Distance Learning

Old code 2551X/2551XX. 6 credit points

D. Roberts

Offered: July. **Classes:** Independent learning package; external/distance mode.

This elective builds onto distance learning. You develop skills formulating distance course proposals, structuring materials; selecting and integrating media; promoting interactivity; and tackling the writing process for distance packages. Studies are by independent learning packages with teleconferences and webwise.

BACH 5151 Independent Investigation I

Old code 25550/2550X. 6 credit points

Fran Everingham, (02) 9351 9116

Offered: February. **Classes:** Contract learning.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

BACH 5022 Independent Investigation II

Old code 2551 B/2551 BX. 6 credit points

Offered: July. **Classes:** Contract learning.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

AHCD 5036 Independent Learning

Old code 07536. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February. **Classes:** Contract learning.

The aim of this unit is to provide the students with opportunities in exploring areas of studies which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together. Students through their own set of objectives and negotiation with their supervisor identify their learning needs. A set of negotiation contract will facilitate this process.

AHCD 5022 Indigenous Family Health

Old code 07522. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Independent learning package.

The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

AHCD 5023 Indigenous Mental Health

Old code 07523. 4 credit points

Classes: Contract learning.

Mental Health has only been recently acknowledged as a specific health issue for Aboriginal and Torres Strait Islander people. In the past Aboriginal Mental health was treated in the realm of drug and alcohol problems. Indigenous Mental Health does require an insiders perspective, and a framework for acknowledging the injustices forced upon Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

AHCD 5035 Injury Prevention

Old code 07535. 4 credit points

Offered: July.

This unit introduces students to the basic principles of injury control within a community health framework. Students will be provided with the skills and knowledge to understand injury as a preventable problem, identify data sources, and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non Indigenous contexts.

BACH 5024 In-Service and Continuing Education in Health Services

Old code 2551D/2551DX. 6 credit points

Liz Devonshire

Offered: July. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (non exam) assignment based.

This elective aims to provides opportunities for participants to explore the main challenges facing educators delivering inservice and continuing education in the 1990s. The effect of, for example, the training reform agenda, competency-based education, workplace standards, organisational constraints, and flexible delivery modes on the planning, implementation and evaluation of inservice and continuing education are explored.

Distance education and on campus mode with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5196 International Health: Sociological Analysis

Old code 2556A/2556AX. 6 credit points

Zakia Hossain, (02) 9351 9340, and Ann Hale, (02) 9351 9578

Offered: July. **Classes:** Independent learning package; external/distance mode.

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and life expectancy; and analyses the current health issues and health priorities in developed and developing countries.

HIMT5019 Introduction to Casemix

Old code 09501. 6 credit points

Beth Reid, (02) 9351 9494

Offered: February. **Classes:** Attendance required. Night classes (classes will be held one evening per week).

The purpose of this unit is to introduce the concepts, which underpin the design and use of casemix systems. The major emphasis is on the Australian National Diagnosis Related Groups (AN-DRGs) used in acute hospitals. However, the issues surrounding the use of casemix systems for non-acute inpatients and ambulatory patients are also analysed. The unit includes an introduction to the concepts of several applications of casemix information, but the details related to paying for care based on casemix are explored in the unit Casemix Funding and Financial Management. The current casemix initiatives of the Commonwealth, States and at the hospital level are explored along with likely future developments.

BACH 5208 Introduction to Computers & the Internet

Old code 2556M. 6 credit points

Zakia Hossain, (02) 9351 9340, and Peter Choo, (02) 9351 9583

Offered: July. **Classes:** Contract learning.

This unit introduces the student to the use of computers for research, educational, and professional purposes. Important computer concepts will be covered, however the emphasis will be on developing practical computer skills. Skills covered will include the rudiments of computer programming; the use of popular applications such as word processors, spreadsheets and databases; and the use of the Internet as a research and communications tool.

HI MT 5005 Introduction to Data Processing and Microcomputers

Old code 09425. 2 credit points
Angelika Lange, (02) 9351 9570

Offered: February. Classes: Attendance required; day classes.

This unit introduces students to microcomputers and mainframe computers and also deals with the history of computer technology, introduction to computer hardware and concepts, use of microcomputers and applications software. Areas studied include MS-DOS, WINDOWS, a spreadsheet package, and a database package.

BACH 5020 Introduction to Educational Computing

Old code 25519. 6 credit points
Victoria Neville, (02) 9351 9118

Offered: July. Classes: Attendance required; night classes.

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, including selecting appropriate courseware and developing a small Computer-Assisted Learning package. (Some basic computer skills would be an advantage). Class size will be limited by the number of computers available.

HIMT 5027 Introduction to Epidemiology

Old code 09509. 6 credit points
Johanna Westbrook, (02) 9351 9494

Offered: February. Classes: External/distance mode.

This unit introduces students to epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic) and sources of measurement error. There is a focus on issues of specific relevance to randomised clinical trials, for example intention to treat analysis, and test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

MRTY 5055 Introduction to Functional Neuro-imaging

Old code 18545X. 6 credit points
Offered: July.

Neuro-imaging techniques such as positron emission tomography (PET), functional magnetic resonance imaging (fMRI), single photon emission computed tomography (SPECT), electroencephalography (EEG), magnetic resonance spectroscopy (MRS), event related potentials (ERP) and magnetoencephalography (MEG) are used to map functional areas of the brain. While these techniques are frequently cited across a range of disciplines including; neurology, psychiatry, speech pathology, radiography, radiology, nuclear medicine and neuropsychology, many practitioners have only a vague understanding of the principles and applications of these techniques. This is understandable as functional brain mapping uses complex technology that is constantly changing. This unit of study aims: (a) to introduce practitioners to the principles and complementary applications of these techniques and (b) to develop practical understanding of specific brain mapping issues such as paradigm design, patient interaction and image coregistration. The unit will be offered in distance education mode.

BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points
Dr Cherry Russell, (02) 9351 9129

Offered: February. Classes: Independent learning package; external distance mode.

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. Topics include demographic ageing, social and professional attitudes and values, retirement, public policy, ageing and health, aged care. The unit may be completed entirely by distance mode.

BACH 5037 Introduction to Health Education

Old code 2551Q. 6 credit points
Fran Everingham, (02) 9351 9116

Offered: July. Classes: Independent learning packages.

Assessment: (Non exam) assignment based.

International perspectives, theories and models for health education are explored. Ways these translate into local strategies for intervention are examined.

Independent learning packages and email support.

HIMT 5041 Introduction to Management Principles

Old code 09523. 2 credit points
Tina Magennis, (02) 9351 9566

Offered: July. Classes: Attendance required; day classes.

This unit is designed to introduce postgraduate students to the concept of management and the application of management knowledge to the practice of health information management. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas include total quality management, motivation, organisational communication and the change process. The unit content of Introduction to Management also supports the professional experience component of the course.

BACH 5162 Introduction to Medical Anthropology

Old code 2555B. 6 credit points

Offered: February, July. Classes: Contract learning.

NB: Not offered in 2000.

This elective provides an overview of the concepts used in medical anthropology in terms of its current understandings and perspectives as a new sub-discipline. Particular emphasis is given to the analysis that has accompanied the development in medical anthropology of the cultural categories that mediate and sustain western medicine.

HIMT 5012 Introduction to Programming and Database Design

Old code 09445. 4 credit points

Offered: July. Classes: Attendance required; day classes.

This unit introduces students to the third generation programming language PASCAL, Nassi-shneiderman diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester they learn to use the database language SQL and to design a new database in CRS (Clinical Report System).

AHCD 5010 Issues in Community Mental Health

Old code 07510. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. Classes: Independent learning package.

This unit is designed to give students an understanding of factors affecting mental health and the provision of community mental health services. It has two main foci: the complex factors involved in achieving integrated service networks, and those involved in providing rehabilitation for people with chronic mental health problems.

BACH 5039 Large Group Teaching

Old code 2551S. 6 credit points
Fran Everingham, (02) 9351 9116

Offered: February. Classes: Independent learning package; external/distance mode. Assessment: (Non exam) assignment based.

Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.

Distance education and on campus mode with independent learning packages and email support.

HIMT 5031 Law and Health

Old code 09513. 3 credit points
Tina Magennis, (02) 9351 9566

Offered: July. Classes: Attendance required; day classes.

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, subpoe-

na 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.

BACH 5213 Law and the Health Services

Old code 2556R. 6 credit points

Judith Mair, (02)9351 9126

Offered: February, July.

This unit aims to equip providers of health services with knowledge of the legal framework for the delivery of health services in Australia together with law relevant to the client base. The unit will cover legal issues involving children, childbirth, older people, the mentally ill, those addicted to drugs or alcohol, and people with intellectual and physical disabilities. The unit will also cover law protecting safety and compensation for accidents in the home, at work and transport related. This unit is available on campus and regular group discussions will be held on a fortnightly basis.

BACH 5118 Learning in Groups

Old code 25540/25540X. 6 credit points

Offered: February. Classes: Attendance required. Assessment: (Non exam) assignment based.

Effectively functioning in any organisational setting is greatly enhanced by a knowledge of group dynamics. Any group interaction for the purpose of learning is more productive if likewise informed. Using the focus of the group and a series of task requirements participants gain both theoretical knowledge about the way in which group dynamics underpin small group learning and skills in facilitating the process, both as members and leaders of learning groups. Some knowledge of adult learning theory is an advantage (readings are suggested).

Distance education and on campus mode (campus mode meets weekly) with independent learning packages and email support.

BACH 5284 Learning in the Workplace

Old code 2558Q. 6 credit points

Liz Devonshire, (02) 9351 9760

Offered: July. Classes: Contract learning. Assessment: (Non exam) assignment based.

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace.

Distance education and on campus mode (night classes) with independent learning packages and email support.

EXSS 5020 Mechanics of Human Movement

Old code 22521. 4 credit points

Offered: February.

This unit will provide biomechanical concepts and skills required for the analysis of human movement. Principles of kinematics, kinetics and electromyography in dynamic muscle movements, and mechanical energy distribution will be studied with reference to selected motor activities. Laboratory sessions will be used to provide illustrations of the above principles and to give students experience with biomechanical laboratory techniques. This unit is only open to graduates who have studied biomechanics previously.

BACH 5027 Mental Health in Later Life

Old code 2551G. 6 credit points

C.Russell, (02)9351 9129

Offered: February, July. Classes: Independent learning package; external/distance mode.

The unit aims to provide abroad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

AHCD 5009 Migrant and Refugee Health

Old code 07509. 4 credit points

Offered: July. Classes: Independent learning package.

This unit seeks to analyse the pattern of migrant and refugee health and illness in Australia and to critically examine the sources of it. In addition, the course attempts to outline and eval-

uate the response of the Australian health care system to migrants and refugees.

BACH 5236 Motor Learning

Old code 2557E. 3 credit points

Dr Roger Adams (02) 9351 9275

Offered: July.

NB: *Exercise and Sports Science only.*

This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice skill differences in pattern recognition and movement production, simultaneous multi-task performance; attention, effort and resources; planning and controlling movements; hemispheric specialisation; memory for movements; imagery and mental rehearsal; practice and automatization; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

BACH 5254 Motor Performance and Learning

Old code 2557W. 3 credit points

Roger Adams, (02) 9351 9275

Offered: February.

NB: *Physiotherapy only.*

The aim of this unit is to study, in-depth, the factors influencing skill acquisition, skill relearning and skill performance and their role in modifying inappropriate, but automated motor behaviours. These may need to be changed in response to disease or continuing injury, in order to improve functional outcome and/or prevent further injury. Topics to be covered include: motivation/goal setting; operant behavioural approach; optimising the benefits of physical practice; attention, concentration and arousal; mental practice; awareness during performance; feedback and evaluating the effectiveness of strategies designed to modify inappropriate, but automated movement behaviours.

BACH 5212 Multicultural Issues in Gerontology

Old code 2556Q. 6 credit points

Zakia Hossain, (02) 9351 9340

Offered: July. Classes: Independent learning package.

This unit examines what it means to be old in a country whose language, expectations for aged behaviour and types of support available, differ from those of their country of origin. The impact of immigration policy and services provision will be analysed.

EXSS 5021 Occupational Biomechanics

Old code 22522. 4 credit points

Offered: February.

This unit aims to assess skills in assessment, implementation and evaluation of the physical interface of an occupational setting. The purpose of this unit is to develop skills and knowledge in a selected number of areas of specialisation in ergonomics.

BACH 5164 Occupational Health

Old code 2555D. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351

9531

Offered: February, July. Classes: Contract learning.

This subject teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers' compensation, rehabilitation and re-training. Students will be required to develop a prevention program or provide a case study of an injured worker in order to operationalise the student to gain access to a workplace and develop a prevention program proposal based on identification of risks and provision of strategies for their control.

BACH 5291 Occupational Rehabilitation

Old code 2558X72558XX. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351

9531

Offered: July.

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent

initiatives will be examined, together with the roles of key stakeholders in the management of workers in the post-injury phase. Students will be encouraged to explore the issues from a policy, an organisational/structural, and interpersonal and an individual perspective.

BACH 5224 Organisational Management

Old code 25572. 6 credit points

Barbara Adamson, (02) 9351 9579, and Rosemary Cant, (02) 9351 9560

Offered: July.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively.

BACH 5290 Organisational Psychology

Old code 2558W/2558WX. 6 credit points

Barbara Adamson, (02) 9351 9579

Offered: February. **Classes:** Contract learning; external/distance mode.

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

BACH 5226 Organisational Structures in Health Contexts

Old code 25574. 6 credit points

Rosemary Cant, (02) 9351 9560

Offered: July. **Classes:** Contract learning.

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

BACH 5025 Patient Education

Old code 2551 E/2551 EX. 6 credit points

Fran Everingham, (02) 9351 9116.

Offered: February. **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

Distance education and on campus mode (night classes) with independent learning packages and email support.

MRTY 5056 Patient/Practitioner Communication

Old code 18546X. 6 credit points

NB: Not offered in 2000.

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. Listening skills will be taught with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes will be used to provide practical examples for student study.

BACH 5028 Planning and Evaluation

Old code 2551H. 6 credit points

Ian Hughes, (02) 9351 9582

Offered: February.

The aim of this unit is to examine the process of planning, evaluating and improving programs and projects. Students will gain

experience in using a variety of planning and evaluation strategies. Web based instruction.

BACH 5165 Post Trauma Stress

Old code 2555E. 6 credit points

Gomathi Sitharthan, (02) 9351 9584

Offered: February, July. **Classes:** Contract learning.

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on campus directed independent study unit.

AHCD 5002 Program Planning and Evaluation

Old code 07502/07502X. 6 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February, July. **Classes:** External/distance mode.

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Student will also become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD 5041 Project Development

Old code 07541/07541X. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: February. **Classes:** Contract learning.

This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and Community Development.

AHCD 5042 Project Management

Old code 07542/07542X. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Offered: July. **Classes:** Contract learning.

In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

BACH 5309 Psychological Assessment of Children and Adolescents

Old code 2559F. 6 credit points

Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644

Offered: February, July.

The assessment of children and adolescents requires an understanding of the course and impact that developmental factors play in cognition, personality and behaviour. It requires a capacity to utilise questionnaire as well as text-based assessment schedules. This course expects students to be aware of assessment issues such as psychometric values of testing (reliability and validity), the nature of various tests, and a capacity to interview (children, adolescents, and families).

BACH 5321 Psychology for Graduate Students

Old code 2559RX. 6 credit points

Chris Lennings, (02) 9351 9587

Offered: February, July. **Classes:** External/distance mode.

This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour - how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contract.

BACH 5147 Psychology of Ageing

Old code 2554U. 6 credit points

Steve Cumming, (02) 9351 9404, and Lynn Harris, (02) 9351 9162
Offered: February, July. Classes: Contract learning.

This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted. This is an on campus directed independent study unit.

BACH 5238 Psychosocial Aspects of Sport

Old code 2557G. 4 credit points

J. Stynes, (02) 9351 9551, and I. Andrews (02) 9351 9588
Offered: July. Classes: Contract learning.

NB: Physiotherapy only. Not offered in 2000.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation.

The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

BACH 5324 Psychotherapy

Old code 2559V. 6 credit points

Chris Lennings, (02) 9351 9587, and Diana Kenny, (02) 9351 9644
Offered: July. **Corequisite:** Counselling. **Classes:** Contract learning.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy, and teaches students how to develop a therapy plan and integrate assessment and practice with their clients. The Unit is delivered as a series of six seminars. Assessment requires the students to develop a case plan.

BACH 5058 Residential Care Policies and Services

Old code 2552B. 6 credit points

Offered: February, July.

This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.

BACH 5305 Risk Management and Rehabilitation Policy

Old code 2559B/2559BX. 6 credit points

Carol O'Donnell, (02) 9351 9580, and Kate O'Loughlin, (02) 9351 9531

Offered: February. **Classes:** Contract learning; external/distance mode.

Students will be taught the basic principles for continuous improvement in health related service delivery. They will produce a risk management plan related to health promotion or consumer protection, or will undertake a critical evaluation of the effectiveness of an individual's occupational rehabilitation. Particular attention will be drawn to the Australian and New Zealand Standards on Risk Management (AS / NZS 4630:1999).

AHCD5027 School Health

Old code 07527. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Independent learning package.

Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.

BACH 5172 Social Change and Health Services

Old code 2555L. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

This elective will assist the student to develop an understanding of the processes of social change in health care systems, and will develop an ability to evaluate the efficiency of proposed structural and role changes within the health care system, and the implications of those changes for the quality of health care provided.

AHCD 5034 Social Justice in Health

Old code 07534. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Contract learning.

Social justice is having equal opportunity for advancement in life. In health it means everyone having a fair opportunity to attain their full potential in life. In social settings there are circumstances which might enhance or hinder these developments. The purpose of this unit is to define inequalities and social injustices in health care system in accordance with various theories of models, discuss the advantages and disadvantages of using these models and suggests means to overcome these injustices.

BACH 5174 Social Theory and Special Groups

Old code 2555N. 6 credit points

Rosemary Cant, (02) 9351 9560, and K O'Loughlin, (02) 9351 9531

Offered: February, July.

This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

BACH 5322 Sociology for Health Professionals

Old code 2559S/2559SX. 6 credit points

Dennis McIntyre, (02) 9351 9567, and Ian Hughes, (02) 9351 9582

Offered: July. Classes: Contract learning; external/distance mode.

The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues. It will provide opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 5059 Sociology of Gender Relations

Old code 2552C. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

This elective examines research perspectives concerning gender relations within the structure of industrial capitalism, with particular focus on relations of power, the sexual division of labour, sexuality, the social construction of gender, production and reproduction and family.

BACH 5026 Special Investigation

Old code 08469. 6 credit points

Cherry Russell, (02) 9351 9129

Offered: July.

This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

AHCD5031 Strategic Planning

Old code 07531. 4 credit points

Contact Postgraduate Coordinator, (02) 9351 9127

Classes: Contract learning.

Strategic planning is used to create futures in large and small organisations, businesses, government agencies and health organisations. This elective is designed to provide health professionals with a model and set of tools to develop a long range strategic planning for an organisation, and the understanding and skills to use them. Students may use this opportunity to support the writing of a strategic plan for organisation to which they belong.

BACH 5178 Stress and Disability

Old code 2555R. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

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

BACH 5180 Stress and Illness

Old code 2555T. 6 credit points

Gomathi Sitharthan, (02) 9351 9584

Offered: February, July. **Classes:** Contract learning.

The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on campus directed independent study unit.

BACH 5248 Subcultural and Cross Cultural Issues: The Costs of Marginality

Old code 2557Q. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

Much work has been done illuminating the different courses taken in the development of self-concept and self-esteem in minority group children and adolescents. This unit will consider the child and adolescent in cultural context, revealing the relative nature of the concept of 'adjustment' and exploring the particular challenges faced by migrant and refugee children and adolescents as well as those of indigenous minority groups. Possible interventions will be discussed in easing adjustment required by cultural transitions. The different social effects of similar behaviours evidenced by different cultures will be discussed with special emphasis on the criminalisation of self-destructive behaviours in some cultural groups. Avenues of social change and service provision will be explored.

BACH 5042 Teaching Clinical Reasoning

Old code 2551V/2551VX. 6 credit points

Victoria Neville, (02) 9351 9118.

Offered: July. **Classes:** Night classes; independent learning package.

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

Distance education and on campus mode (night classes) with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5047 Teaching with Reduced Resources

Old code 25520. 6 credit points

Fran Everingham, (02) 9351 9116.

Offered: July. **Classes:** Independent learning package.

This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education. Independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5127 Teaching with Technology

Old code 25549/25549X. 6 credit points

Victoria Neville, (02) 9351 9118.

Offered: February. **Corequisite:** Instructional Design and Teaching Skills (08505). **Classes:** Night classes; independent learning package; external/distance mode. **Assessment:** (Non exam) assignment based.

Learning materials play an essential role in motivating and enhancing understanding. Access to new technologies for teaching is increasing. You consider setting specific issues in the development of teaching materials and practice some techniques for using these.

Distance education and on campus mode (night classes) with independent learning packages and email support. Assessment is (non exam) assignment based.

BACH 5038 The Community Setting and Older People

Old code 2551R. 6 credit points

Cherry Russell, (02) 9351 9129.

Offered: February, July. **Classes:** Independent learning package; external/distance mode.

This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

BACH 5034 The Residential Care Setting and Older People

Old code 2551N. 6 credit points

Cherry Russell, (02) 9351 9129

Offered: February, July. **Classes:** Independent learning package; external/distance mode.

This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff.

BACH 5243 The Sociology of Deviance

Old code 2557L. 6 credit points

Offered: February. **Classes:** Contract learning.

NB: Not offered in 2000.

This unit will use the paradigms developed by the theoretical approach to the sociology of deviance to examine adolescent behaviour in relation to substance abuse, homelessness and other non-traditional lifestyles. This unit will incorporate an historical approach to community breakdown, social control, the effects of media imagery and the changing approaches of social control agents such as governments, the legal system, law enforcement officers and medical personnel. An analysis of legislation and of royal commission findings will be made using structural and interactional theories.

BACH 5063 Therapy with Children, Adolescents and their Families

Old code 2557F. 6 credit points

Offered: Full Year (starts Feb). **Classes:** Contract learning.

Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

BACH 5182 Visualisation and Imagery

Old code 2555V. 6 credit points

Offered: February, July. **Classes:** Contract learning.

NB: Not offered in 2000.

This elective examines the role of visualisation, and of imagery generally, in the healing context from both a psychological and sociological/anthropological perspective. Students can choose one or more of the following topics, or they can choose a related topic. (1) The techniques used to enhance imagery skills. (2) The factors controlling imagery as predictor of wellbeing, illness and treatment outcomes. (3) Altered states of consciousness and health.

Research electives

AHCD5048 Action Research

Old code 07548. 6 credit points

Dr Freidoon Khavarpour, (02) 9351 9127

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 5049 Action Research

Old code 07549. 8 credit points

Dr Freidoon Khavarpour, (02) 9351 9127

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.

HIMT 5046 Casemix Measurement Systems

Old code 09469. 6 credit points

Ms Johanna Westbrook,, (02) 9351 9558

Offered: July.

The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

BACH 5268 Developing a Research Project

Old code 2558AX. 6 credit points

Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Attendance required; external/distance mode.

This unit provides an overview of the research process and focus on the formulation of a research proposal. It provides students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 5066 Developing a Research Project

Old code 2552J. 8 credit points

Kate O'Loughlin, (02) 9351 9531

Offered: February, July. **Classes:** Attendance required; external/distance mode.

This unit provides an overview of the research process and focus on the formulation of a research proposal. It provides students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 5302 Epidemiological Research

Old code 25598. 6 credit points

Dr Kaye Brock (02) 9351 9124

Offered: February.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

BACH 5100 Epidemiological Research

Old code 2553I. 8 credit points

Dr Kaye Brock (02) 9351 9124

Offered: July.

NB: Not offered in 2000.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

HIMT 5017 Epidemiology

Old code 09468. 6 credit points

Ms Johanna Westbrook,, (02) 9351 9558

Offered: February. **Classes:** external/distance mode.

This unit introduces the student 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 measures for 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 presentation in data management.

AHCD 5046 Evaluation Research

Old code 07546. 6 credit points

Dr Freidoon Khavarpour, (02) 9351 9127

Offered: July.

In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services empowering and critical approaches will be included.

AHCD 5047 Evaluation Research

Old code 07547. 8 credit points

Dr Freidoon Khavarpour, (02) 9351 9127

Offered: July.

In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services empowering and critical approaches will be included.

DHSC 7003 Foundations for Doctoral Studies

Old code 26703. 6 credit points

Offered: February, July. **Classes:** On-campus; external/distance mode. -

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data.

There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported.

BACH 5298 History and Philosophy of Scientific Methodology

Old code 25594. 6 credit points
Offered: February, July.

This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.

BACH 5098 History and Philosophy of Scientific Methodology

Old code 2553G. 8 credit points
Offered: February, July.

This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.

BACH 5253 Intermediate Statistics

Old code 2557V. 6 credit points
Rob Heard, (02) 9351 9583, and Zakia Hossain (02) 9351 9340
Offered: February, July. Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent.
Classes: Night classes.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 5312 Intermediate Statistics

Old code 2559I. 8 credit points
Rob Heard, (02) 9351 9583, and Zakia Hossain (02) 9351 9340
Offered: February, July. Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent.
Classes: Night classes.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 5050 Issues in Educational Research

Old code 25523. 6 credit points
Ms Fran Everingham, (02) 9351 9116
Offered: February. Classes: Contract learning.
NB: for Health Science Education students only.

This unit explores issues in educational research, including using theories and conceptual frameworks to help deal with multiple dimensions of the educational process, and considers some of the methodologies used in educational research.

BACH 5094 Issues in Educational Research

Old code 2553C. 8 credit points
Ms Fran Everingham, (02) 9351 9116
Offered: July. Classes: Contract learning.
NB: for Health Science Education students only.

This unit explores issues in educational research, including using theories and conceptual frameworks to help deal with multiple dimensions of the educational process, and considers some of the methodologies used in educational research.

BACH 5256 Multivariate Statistics

Old code 2557Y. 6 credit points
Dr Peter Choo, (02) 9351 9583
Offered: February. Prerequisite: Intermediate Statistics (10503), or equivalent. Classes: Contract learning.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 5314 Multivariate Statistics

Old code 105A8. 8 credit points
Dr Peter Choo, (02) 9351 9583
Offered: February. Prerequisite: Intermediate Statistics (10503), or equivalent. Classes: Night classes; contract learning.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 6042 Qualitative Research Methods

Old code 25641. 8 credit points
Cherry Russell, (02) 9351 9129

Offered: February, July. Classes: attendance required.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project in small groups. This unit is usually offered on Wednesdays 4-7 pm.

DHSC7002 Research and Inquiry in the Health Professions

Old code 26702. 6 credit points
Offered: February, July. Classes: On-campus; external/distance mode.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

BACH 5285 Research Design

Old code 2558R. 6 credit points
Offered: February. Classes: External/distance mode.
NB: Not offered in 2000.

This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

BACH 5311 Research Design

Old code 2559H. 8 credit points

Classes: External/distance mode.

NB: Not offered in 2000.

This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

OCCP 6008 Research Design and Methods for Therapists

Old code 15502. 6 credit points

Dr M Fitzgerald, (02) 9351 9216

Offered: February. **Classes:** day classes.

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 5073 Research Design and Methods for Therapists

Old code 15511. 8 credit points

Dr M Fitzgerald, (02) 9351 9216

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.

BACH 5053 Research Elective Independent Study

Old code 25526. 6 credit points

Ms Fran Everingham, (02) 9351 9116

Offered: February. **Classes:** Contract learning.

NB: for Health Science Education students only.

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

BACH 5096 Research Elective Independent Study

Old code 085A4. 8 credit points

Ms Fran Everingham, (02) 9351 9116

Offered: February.

NB: for Health Science Education students only.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area

of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

PHTY 5067 Research Elective Independent Study

Old code 16505. 6 credit points

Associate Professor Nicholas O'Dwyer, (02) 9351 9385

Offered: February.

NB: For Physiotherapy Research students only.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

PHTY 5094 Research Elective Independent Study

Old code 16529. 8 credit points

Associate Professor Nicholas O'Dwyer, (02) 9351 9385

Offered: February.

NB: For Physiotherapy Research students only.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

BACH 5240 Research Methods

Old code 25571. 3 credit points

Offered: July.

NB: Exercise and Sports Science only. Not offered in 2000.

Familiarity is assumed with basic descriptive and inferential methods. These basic methods are expanded upon with the major focus being on problem solving with a view to extracting meaning from data. The emphasis is on practical application of methodologies with extensive use made of modern statistical software. The nexus between design and analysis is stressed using a linear model approach to demonstrate the partitioning of variance and the behaviour of random error. Single and multiple variable models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

BACH 5310 Research Methods I: Design

Old code 2559G. 2 credit points

Offered: February.

NB: Health Information Management only. Not offered in 2000.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

PHTY 6009 Scientific Investigation C

Old code 164D8. 6 credit points

Associate Professor Nicholas O'Dwyer, (02) 9351 9385

Scientific Investigation C is intended for students enrolled in the Master of Applied Science (Physiotherapy) degree and requires the student to complete 42 hours of content from within the units 16508 Scientific Investigation I and 16512 Scientific Investigation II as negotiated with the Masters Coursework Programs Coordinator.

PHTY 5093 Scientific Investigation C

Old code 16528. 8 credit points

Associate Professor Nicholas O'Dwyer, (02) 9351 9385

Scientific Investigation C is intended for students enrolled in the Master of Applied Science (Physiotherapy) degree and requires the student to complete 42 hours of content from within the units

16508 Scientific Investigation I and 16512 Scientific Investigation II as negotiated with the Masters Coursework Programs Coordinator.

BACH 5061 Statistical Analysis with SPSS

Old code 2552E. 6 credit points

K Pepper, (02) 9351 9589, and Peter Choo, (02) 9351 9583.

Classes: Contract learning.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis. Teaching is by learning contract mode including a small number of on-campus classes. Practical assignments are set for assessment.

PHTY 5095 Structuring a Qualitative Research Thesis

Old code 16527. 4 credit points

Professor Joy Higgs, (02) 9351 9070

NB: Limited to 12 students only.

Students engaged in qualitative research need to consider structures for their theses which can be different from traditional quantitative models. This unit explores elements of qualitative research in the context of graduate research programs. Topics will include: philosophical basis for research paradigms, the nature of qualitative research, paradigms and strategies, ethical issues and strategies in qualitative research, writing qualitative research, and quality in qualitative research. These elements will enable students to structure their research theses. The unit will be practical and numbers are limited. It is open to masters and doctoral students in the Faculty. (Limited to 12 students only).

BACH 5011 Survey Research Methods

Old code 25510. 6 credit points

Kate O'Loughlin (02) 9351 9531, and Peter Choo, (02) 9351 9583

Offered: July. **Classes:** Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5-8pm.

BACH 5315 Survey Research Methods

Old code 2559L. 8 credit points

Kate O'Loughlin (02) 9351 9531, and Peter Choo, (02) 9351 9583

Offered: July. **Classes:** Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5-8pm.

DHSC 7001 Theory in the Health Professions

Old code 26701. 6 credit points

Offered: February, July. **Classes:** On-campus; external/distance mode.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

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, Warrmgah
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-DrKChatheled
D Ferguson - Dr K Frumar
T Hoy-Dr I Goldberg
A Pryke - Dr A Hunyor
R Lang - Drs C Baker, W Bamett & 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
Tamworth Base Hospital

Private hospitals

St Edmonds Private Hospital
'Carrawarra' 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
Banks town/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
Warmambool 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
Southwestern 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
 Burnie Hospital
 Calvary Hospital
 Campbelltown Hospital
 Campsie Imaging
 Canterbury District Hospital
 Canterbury Medical Imaging
 Caringbah CT Scanning
 Casde 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
 Hornsby & 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
 Norm West Imaging, Hornsby
 Norm 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
 Banks town 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
 Hornsby 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, Penrui,
 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 Kurri
 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
 Beecroft 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 Aboot 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 Turramurra
 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 - Castlecrag
 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, Turramurra
 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
 Redfern 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
 Rydalmere 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, Kurri 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 - Fairymeadow
 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 lunction
 Health Centre - New Town (TAS)
 Hobart Repat & General Hospital - Battery Point (TAS)
 Interact Injury Management - Orange
 Illawarra Occupational Health - WoUongong
 Illawarra Child Development Centre - North WoUongong
 Illawarra Regional Hospital (Port Kembla Campus)
 Illawarra 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 Turramurra
 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

Yooroang Garang: School of Indigenous Health Studies wishes to acknowledge the following organisations for their contribution to the 1999 field experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) courses.

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
niawarra 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, Warrawong, 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, Matraville, 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 Perouse Community Development Corporation, Matraville, 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, Matraville, NSW
 Aboriginal Birthing Project, Port Augusta, S A
 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
 Yinganah 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, emailcland@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) 9351 2228.

Credit Union facilities

The Unicom Credit Union Ltd has an agency with an automatic teller machine on campus. The agency is open on Thursdays, between 12 noon and 2 pm.

Cumberland Student Guild

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 (MApSc)
 - (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 (MRehabClnG)
 - (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 (DipEQthSc)
 - (b) Graduate Diploma of Health Science (GradDipHlthSc)
 - (c) Graduate Diploma in Rehabilitation Counselling (GradDipRehabClnG)
 - (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 IIIB
 Clinical Classification IIIA
 Clinical Classification IIIB
 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 IIIB
 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 IIIB
 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 3 A
 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 3A
 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 LIB: 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 IIIH

Audiological Management II

Craniofacial Anomalies

Language Impairments in Children III

Honours Research Seminar I: Literature Review

Professional Development IIIH: Management Skills

Intermediate Speech Pathology Clinical IIIH

Honours Research Seminar II: Research Proposal

Year 4

Advanced Speech Pathology Clinical IH

Professional Development IVH: Advanced Issues

Advanced Speech Pathology Clinical IIIH

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 II: 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

- 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
- Psychology electives:
 Life Span Psychology and the Family
 Advanced Counselling
 Psychology of Sport and Exercise Adherence
 Brain and Cognition
 Psychology of Motor Behaviour
- 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

- Research electives:
 Intermediate Statistics
 Qualitative Research Methods
 Survey Research Methods
- 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

- The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
 - Aboriginal Health and Community Development
 - Hearing and Speech
 - Rehabilitation Counselling
 - Nursing*
 - Occupational Therapy*
 - Physiotherapy*
 - Medical Radiation Technology*
 Singapore Conversion Courses.

- (1) The degree of Bachelor of Health Science may be awarded in the grade of Honours degree in:
 - Aboriginal Health and Community Development
 - Hearing and Speech
 - Occupational Therapy*
 - Rehabilitation Counselling
 Singapore Conversion Course
 - There shall be three classes of honours, namely Class I, Class II, and Class III.
 - Within Class II there shall be two divisions, namely Division 1 and Division 2.
 - 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.
- (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.
 - The words 'to complete a unit' and derivative expressions mean:
 - to attend the lectures and *the* meetings, if any, for clinical, laboratory or tutorial instruction; and
 - to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
 - 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.
- 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:
 - exercise the power,
 - exercise the power conditionally, or
 - decline to exercise the power.
- (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.
 - 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.
- 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.
- A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.
- 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 rVA

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 1

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

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Method of progression

9. A candidate shall proceed:
(a) primarily by research and thesis; or
(b) by coursework and thesis; or
(c) primarily by coursework.

Time limits

10. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.
- 11.(1) Except with the permission of 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.

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, K01
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, K01
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, Carslaw 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, overdue 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)
requill@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, Carslaw, 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, Carslaw Building, F07
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3023 General Enquiries
 (02) 9351 4109 Academic Records
 (02) 9351 3023 Discontinuation of Enrolment
 (02) 9351 5057 Handbooks
 (02) 9351 5060 Prizes
 Fax: (02) 9351 5081; (02) 9351 5350 Academic Records

Student 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/fin_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.

Glossary

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

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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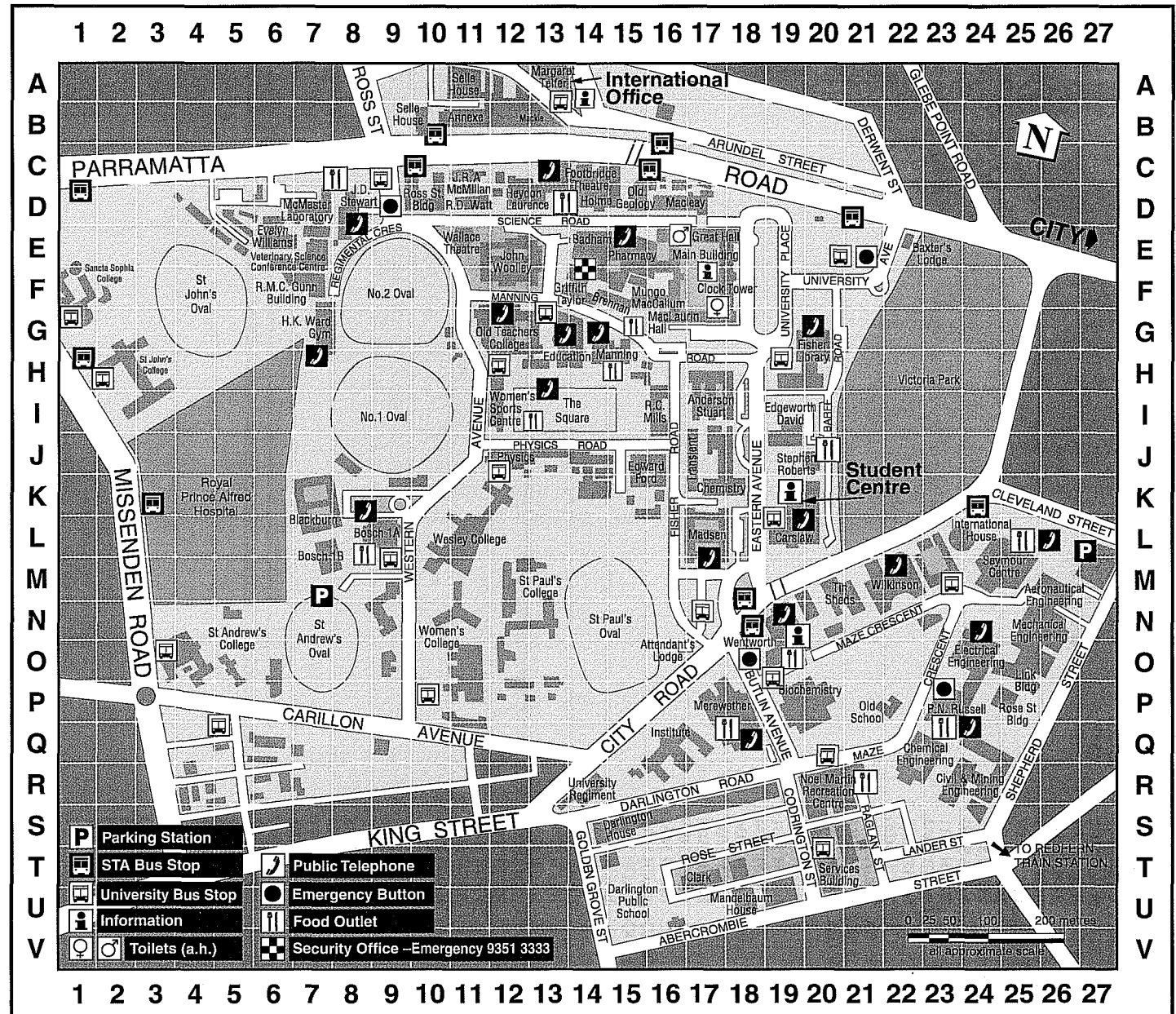
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2554U.	BACH 5147		
2554V.	BACH 5148		
2554X.	BACH 5149		
25552.	BACH 5153		
25557.	REHB 5040		
25558.	REHB 5041		
2555B.	BACH 5162		
2555D.	BACH 5164		
2555E.	BACH 5165		
2555L.	BACH 5172		
2555N.	BACH 5174		
25550/2550X	BACH 5151		
2555R.	BACH 5178		
2555T.	BACH 5180		
2555V.	BACH 5182		
2555Y.	BACH 5184		
25560.	BACH 5186		
2556A/2556AX	BACH 5196		
2556C.	BACH 5198		
2556E.	BACH 5200		
2556M.	BACH 5208		
2556Q.	BACH 5212		
2556R.	BACH 5213		
2556U.	BACH 5216		

University of Sydney Directory

- Academic & Executive Services **16E**
- Accounting **17P**
- Accommodation Service **13G**
- Administrative Policy & Strategic Planning Div'n **16E**
- Administrative Support Services Division **16E**
- Aeronautical Engineering **26M**
- Agricultural Chemistry & Soil Science **10D**
- Agricultural Economics **HD**
- Agriculture Faculty Office **11C**
- Australian Graduate School of Management **Burren St**
- Alma Street Glasshouse **23N**
- Alumni Relations **16E**
- Anaesthesia **7K**
- Anderson Stuart Bldg **17I**
- Anatomy & Histology **17I**
- Ancient History & Classics **16F**
- Animal Health **Camden**
- Animal Science **7F**
- Anthropology **16F**
- Archaeology **16F**
- Architectural & Design Science **22M**
- Architecture, Dept & Faculty Office **22M**
- Architecture, Planning & Allied Arts **22M**
- Archives **19H**
- Art History & Theory **15I**
- Art Workshop **20M**
- Arts Faculty Office **16F**
- Asset Management **13A**
- Asian Studies **14F**
- Attendant's Lodge **16O**
- Badham Bldg & Library **14E**
- Banks see Financial institutions
- Baxter's Lodge **22E**
- Behavioural & Social Sciences in Nursing **Mallett St**
- Behavioural Science **Cumberland**
- Behavioural Sciences in Medicine **7K**
- Biochemistry **20P**
- Biological Sciences **15D**
- Biomedical Science **Cumberland**
- Blackburn Bldg **7K**
- Bookshops
 - Medical **7K**
 - SRC Secondhand **19N**
 - University Co-operative **21R**
- Bosch IA (lecture theatres) **8L**
- Bosch IB Bldg **7M**
- Brennan, C. Bldg **15F**
- Budget Office **16E**
- Business Liaison Office **12E**
- Business Services **19U**
- Campus Services **20T**
- Careers Centre **13B**
- Carslaw Bldg **19L**
- Cashiers **13A**



Central Services **20T**
 Central Records Office **16E**
 Centre for English Teaching **Mallett St**
 Centre for Teaching & Learning **19L**
 Chancellor's Committee Shop **17F**
 Chaplains' Centre **10G**
 Chemical Engineering **22Q**
 Chemistry **17K**
 Child Care
 Boundary Lane **16U**
 Carillon Avenue **9Q**
 Laurel Tree House (Glebe) **16B**
 Union (Darlington) **21S**
 Civil & Mining Engineering **24R**
 Clark Bldg **17T**
 Clinical Nursing **Mallett St**
 Clinical Ophthalmology & Eye Health **Sydney Eye Hospital**
 Clock Tower **17F**
 Clinical Trials **Mallett St**
 Communication Disorders **Cumberland**
 Community & Mental Health Nursing **Cumberland**
 Community Health **Cumberland**
 Community Medicine **15K**
 Computer Sales
 Computer Sales & Service **23U**
 Computer Shop **21R**
 Computer Science, Basser Dept **17L**
 Continuing Education, Centre for **13B**
 Coppleson Postgraduate Medical Institute **9K**
 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) **15I**
 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**
 Health 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 **Srjames**
 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**
 McMasterBldg7D

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**
 Merewether Bldg **17P**
 Microbiology **20P**
 Mills, R. C. Bldg **16I**
 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 **17I**
 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 **5O**
 St John's College **3H**
 St Paul's College **12N**



The University of Sydney Cumberland Campus

East Street, PO Box 170, Lidcombe, 1825
Telephone (02) 9351 2222 Fax (02) 9351 9977

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)

