



**The University of Sydney**

# **Faculty of Health Sciences**

**Postgraduate Handbook**

**1999**

## **Course Information**

Further information about all courses offered by the Faculty of Health Sciences may be obtained by contacting Student Administration (Cumberland), by telephone (02) 9 3519161, fax (02) 9 351 9412 or the address below. For other courses offered by the University, refer to the University of Sydney, Student Centre (02) 9 351 3013.

## **Alterations to Courses**

Units, courses and any arrangements for courses including staff, as stated in the Undergraduate Handbook or other publication, announcement or advice of the University, are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such units, courses, arrangements or staffing at any time without notice.

The information contained in this Postgraduate Handbook was current as at November 1998. Its contents are as accurate and detailed as possible at that time.

**Address:** The University of Sydney  
Cumberland Campus  
East Street  
LIDCOMBE N.S.W. 2141, AUSTRALIA

**Postal Address:** The University of Sydney  
Cumberland Campus  
Post Office Box 170  
LIDCOMBE N.S.W. 1825, AUSTRALIA

ISSN: 1327-869X

Produced by Faculty Office, Faculty of Health Sciences

Printed in Australia by  
Printing Headquarters, Broadway.

# Table of Contents

<b>Introduction</b> .....	<b>i</b>	<b>7 School of Applied Vision Sciences</b> .....	<b>7-1</b>
<b>Message from the Dean</b> .....	<b>ii</b>	Graduate Certificate of Health Science (Vision Impairment).....	7-1
<b>1999 Academic Year and Important Dates</b> .....	<b>iii</b>	Graduate Diploma of Health Science (Vision Impairment).....	7-1
<b>1 Academic and Associated Staff</b> .....	<b>1-1</b>	Master of Applied Science (Orthoptics) by Research.....	7-5
Departments/Schools/Centres.....	1-1	<b>8 School of Communication Sciences and Disorders</b> .....	<b>8-1</b>
Administration.....	1-6	Master of Applied Science (Communication Sciences and Disorders) by Research.....	8-2
<b>2 Faculty of Health Sciences</b> .....	<b>2-1</b>	Master of Communication Disorders (by Research) . . .	8-3
History.....	2-1	<b>9 School of Community Health</b> .....	<b>9-1</b>
Objectives.....	2-1	Graduate Diploma of Health Science (Community Health).....	9-2
Academic Governance.....	2-2	Master of Health Science (Community Health) by Coursework.....	9-4
Constitution of the Faculty of Health Sciences.....	2-2	Graduate Certificate of Health Science (Indigenous Community Health).....	9-6
Structure.....	2-2	Graduate Diploma of Health Science (Indigenous Community Health).....	9-7
Centres.....	2-2	Master of Health Science (Indigenous Community Health) by Coursework ..	9-8
Inter-Institutional Agreements.....	2-4	Master of Applied Science (Community Health) by Research.....	9-10
<b>3 Graduate Courses</b> .....	<b>3-1</b>	Graduate Diploma of Health Science (Gerontology) ...	9-11
Doctor of Philosophy.....	3-1	Master of Health Science (Gerontology) by Coursework.....	9-12
Degree of Master by Research.....	3-2	Master of Applied Science (Gerontology) by Research.....	9-14
Scholarships.....	3-6	Graduate Certificate of Health Science (Education)....	9-15
Explanation of Subject Numbering System.....	3-6	Graduate Diploma of Health Science (Education).....	9-16
Subject Unit Values.....	3-6	Master of Health Science (Education) by Coursework.....	9-18
Summary of Graduate Degrees, Diplomas and Certificates Offered.....	3-7	Master of Applied Science (Education) by Research... ..	9-21
<b>4 Administrative Information</b> .....	<b>4-1</b>	Graduate Diploma in Rehabilitation Counselling . . . .	9-22
Course Enquiries and Applications.....	4-1	Master of Rehabilitation Counselling (by Coursework).....	9-24
Registration and Enrolment.....	4-1	Master of Applied Science (Rehabilitation Counselling) by Research.....	9-26
Fees and Charges.....	4-3	<b>10 School of Exercise and Sport Science ....</b>	<b>10-1</b>
Higher Education Contribution Scheme (HECS).....	4-3	Graduate Diploma of Health Science (Exercise and Sport Science).....	10-1
Credit Transfer.....	4-4	Master of Health Science (Exercise and Sport Science) by Coursework.....	10-3
Discontinuation of Studies, Variation of Enrolment and Leave of Absence.....	4-4	Master of Applied Science (Exercise and Sport Science) by Research.....	10-5
Examinations and Assessments.....	4-5	<b>11 School of Health Information Management... ..</b>	<b>11-1</b>
Progression and Exclusion.....	4-8	Graduate Certificate of Health Science (Casemix).....	11-1
Other Administrative Information.....	4-9	Graduate Certificate of Health Science (Clinical Data Management).....	11-2
<b>5 Department of Behavioural Sciences</b> .....	<b>5-1</b>	Graduate Diploma of Health Science (Clinical Data Management).....	11-3
Summary of Behavioural Sciences Units.....	5-1	Graduate Diploma of Health Science (Health Information Management).....	11-4
Graduate Certificate of Health Science (Behavioural Science).....	5-3	Master of Applied Science (Health Information Management) by Research ....	11-6
Graduate Diploma of Health Science (Behavioural Science).....	5-3		
Master of Health Science, (Behavioural Science) by Coursework.....	5-4		
Graduate Certificate of Health Science (Child and Adolescent Health).....	5-6		
Graduate Diploma of Health Science (Child and Adolescent Health).....	5-7		
Master of Health Science (Child and Adolescent Health) by Coursework . . . .	5-7		
Master of Applied Science (Behavioural Science) by Research.....	5-10		
<b>6 Department of Biomedical Sciences</b> .....	<b>6-1</b>		
Summary of Biomedical Sciences Units.....	6-1		
Master of Applied Science (Biomedical Sciences) by Research.....	6-1		

<b>12 School of Medical Radiation Technology ....12-1</b>	<b>18 Facilities and Services.....18-1</b>
Graduate Diploma of Health Science	Bookshop.....18-1
(Medical Sonography).....12-2	Childcare.....18-1
Graduate Certificate of Health Science	Counselling Service.....18-1
(Medical Radiation Sciences).....12-4	Credit Union Facilities.....18-1
Graduate Diploma of Health Science	Cumberland Student Guild.....18-1
(Medical Radiation Sciences).....12-5	Disability Services.....18-1
Master of Health Science	English Language Tuition.....18-2
(Medical Radiation Sciences) by Coursework.....12-6	Equal Employment Opportunity
Master of Applied Science	and Affirmative Action.....18-2
(Medical Radiation Technology) by Research....12-15	Financial Assistance.....18-2
<b>13 School of Occupation and Leisure</b>	Graduates Association and Alumni.....18-2
<b>    Sciences.....13-1</b>	Health Sciences Library.....18-3
Graduate Certificate of Health Science	International Student Advisory Service.....18-3
(Occupational Therapy).....13-1	Language and Learning Unit (LLU).....18-3
Master of Health Science	Lockers.....18-3
(Occupational Therapy) by Coursework.....13-11	Lost Property.....18-3
Master of Occupational Therapy.....13-15	Parking.....18-4
Master of Applied Science (Occupational Therapy)	Peer Tutoring Service.....18-4
by Research.....13-18	Sporting Facilities.....18-4
<b>14 School of Physiotherapy.....14-1</b>	Student Accommodation.....18-4
Graduate Diploma of Health Science	Student Welfare Services.....18-4
(Manipulative Physiotherapy).....14-2	Travel Concessions.....18-4
Master of Health Science	<b>19 Senate Resolutions.....19-1</b>
(Manipulative Physiotherapy).....14-4	<b>Appendix 1 (Schedule of Elective Descriptions) A-1</b>
Graduate Diploma of Health Science	<b>Index.....1-1</b>
(Sports Physiotherapy).....14-6	
Master of Health Science	
(Sports Physiotherapy).....14-8	
Graduate Certificate of Health Science	
(Physiotherapy).....14-10	
Graduate Diploma of Health Science	
(Physiotherapy).....14-13	
Master of Health Science (Physiotherapy)	
by Coursework.....14-16	
Master Of Applied Science (Physiotherapy)	
By Research.....14-18	
<b>15 Research Centres.....15-1</b>	
Australian Stuttering Research Centre.....15-1	
National Voice Centre.....15-2	
Rehabilitation Research Centre.....15-2	
Master of Applied Science (Research).....15-3	
<b>16 Singapore Courses.....16-1</b>	
Master of Health Science (Management).....16-1	
<b>17 Clinical Education</b>	
<b>(Fieldwork/Professional Experience).....17-1</b>	
School of Applied Vision Sciences.....17-2	
School of Communication Sciences and Disorders...17-3	
School of Community Health.....17-4	
School of Health Information Management.....17-6	
School of Medical Radiation Technology.....17-7	
School of Occupation and Leisure Sciences.....17-9	
School of Physiotherapy.....17-12	

# 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 1999 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
- Community Health
- Diagnostic Radiography
- Education
- Exercise and Sport Science
- Gerontology
- Health Information Management
- Hearing and Speech
- Indigenous Community Health
- Leisure and Health (previously Diversional Therapy)
- Medical Radiation Sciences
- Nuclear Medicine Technology
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Radiation Therapy
- Rehabilitation Counselling
- Speech Pathology
- Sonography
- Vision Impairment

# Message from the Dean

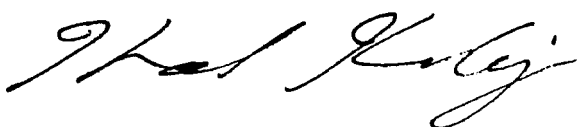
Welcome to the 1999 academic year in the Faculty of Health Sciences. To our new postgraduate students, I am particularly delighted that you have chosen to join us during an exciting phase of our postgraduate development. To those returning, congratulations on your previous success. For all of you, I hope that 1999 will be an important milestone in your postgraduate development.

The Faculty of Health Sciences aims to provide a stimulating and progressive postgraduate environment including access to excellent library resources such as the relevant on-line databases around the world. Students in coursework programs will have the opportunity to enhance professional expertise and move towards more satisfaction and advancement in the workplace. In 1999, the Faculty will be offering two new coursework programs at Graduate Certificate, Graduate Diploma and Master's Degree levels. They are Indigenous Community Health and Medical Radiation Sciences. These programs are offered by off-campus mode in response to the growing interest in distance learning. 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 and are delighted that a dedicated research building was opened this year.

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. Schools and Departments and the Student Guild arrange social, cultural and sporting activities and your time in the Faculty will be much richer if you are able to fit some of these activities into your busy schedule.

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/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 Centre for Indigenous Health Studies.

Best wishes in your academic, professional and personal journey through 1999.



**Professor Hal Kendig**  
Dean



# 1999 Academic Year and Important Dates

The academic year is divided into two semesters, each containing thirteen teaching weeks, one student study week and two weeks for assessments. There is a recess of six weeks between the two semesters, as well as a one week recess in each of the semesters.

	1 January	New Year's Day
	20-28 January	Post/Deferred Assessments
	26 January	Australia Day
	24 February	Orientation Day (Camperdown campus)
	25 February	Orientation Day (Cumberland campus)
<i>March Semester (Semester 1)</i>	<i>(14 weeks)</i>	<i>1 March - 11 June</i>
	31 March	Last day to finalise enrolment/re-enrolment and to apply for Variation of Enrolment, Leave of Absence, Discontinuation of Studies or Course Transfer for March Semester Census Date
		Last day to request Discontinuation from March Semester subjects without failure
		March Semester Census Date for Higher Education Contribution Scheme
	2 April	Good Friday
	5 April	Easter Monday
<i>Autumn Recess</i>		<i>2 April - 9 April</i>
	23 April	All students should have received their Confirmation of Enrolment for March Semester by this date
	25 April	Anzac Day
<i>Study Vacation</i>		<i>7 June- 11 June</i>
	7 June	Queen's Birthday Holiday
<i>Assessment Period</i>		<i>14 June- 25 June</i>
<i>Inter-Semester Recess</i>		<i>26 June - 6 August</i>
<i>August Semester (Semester 2)</i>	<i>(14 weeks)</i>	<i>9 August -19 November</i>
	9-13 August	Post/Deferred Assessments
	20 August	Last day to pay August Semester course fees or HECS
	31 August	Last day to apply for Variation of Enrolment, Leave of Absence, Discontinuation of Studies or Course Transfer for August Semester Census Date
		Last day to request Discontinuation from full-year and/or August Semester subjects without failure
	31 August	August Semester Census Date for Higher Education Contribution Scheme
	24 September	Date by which all students should have received their Confirmation of Enrolment for August Semester
<i>Spring Recess</i>		<i>27 September - 1 October</i>
	4 October	Labour Day Holiday
<i>Study Vacation</i>		<i>15 November - 19 November</i>
<i>Assessment Period</i>		<i>22 November - 3 December</i>
<i>Christmas Recess</i>		<i>4 December 1999 - 25 February, 2000</i>



# 1 Academic and Associated Staff

Student related enquiries (eg. course information) should be directed to Student Administration (Cumberland).  
Telephone +61 2 9351 9161 Facsimile +61 2 9351 9412

## Departments/Schools/Centres

### Department of Behavioural Sciences

*General Enquiries*

*Telephone* +61 2 9351 9228

*Facsimile* +61 2 9351 9540

*email* P.Harrington@cchs.usyd.edu.au

*URL* <http://www.beh.cchs.usyd.edu.au>

*Head of Department* Dr Rosemary Cant

### Department of Biomedical Sciences

*Telephone* +61 2 9351 9454

*Facsimile* +61 2 9351 9520

*email* G.Lee@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/BIO>

*Head of Department* Dr Gary Lee

### School of Applied Vision Sciences

*Telephone* +61 2 9351 9250

*Facsimile* +61 2 9351 9359

*email* E.Appel@cchs.usyd.edu.au

*URL* <http://www.usyd.edu.au/su/orth>

*Head of School* Ms Neryla Jolly

### School of Communication Sciences and Disorders

*Telephone* +61 2 9351 9450

*Facsimile* +61 2 9351 9173

*email* ewwz7CSD.HOS.secretary@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/CD>

*Head of School* Professor Vicki Reed

### School of Community Health

*Telephone* +61 2 9351 9556

*Facsimile* +61 2 9351 9112

*email* CH.HOS.secretary@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/CH>

*Head of School* Mr Rod Rothwell

### School of Exercise and Sport Science

*Telephone* +61 2 9351 9612

*Facsimile* +61 2 9351 9204

*email* L.Burke@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/ESS>

*Head of School* Associate Professor Martin Thompson

### School of Health Information Management

*Telephone* +61 2 9351 9494

*Facsimile* +61 2 9351 9672

*email* HIMinfo@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/him>

*Head of School* Professor Beth Reid

### School of Medical Radiation Technology

*Telephone* +61 2 9351 9501

*Facsimile* +61 2 9351 9146

*email* G.Bridges@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/mrt>

*Head of School* Dr Ala stair Davison

### School of Occupation and Leisure Sciences

*Telephone* +61 2 9351 9386

*Facsimile* +61 2 9351 9197

*email* S.Woods@cchs.usyd.edu.au

*URL* <http://www.ot.cchs.usyd.edu.au>

*Head of School* Associate Professor Gwynnyth Llewellyn

### School of Physiotherapy

*Telephone* +61 2 9351 9630

*Facsimile* +61 2 9351 9601

*email* A.Soo@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/PT>

*Head of School* Ms Elfreda Marshall

### Australian Stuttering Research Centre

*Telephone* +61 2 9790 8793

*Facsimile* +61 2 9790 8392

*email* M.Onslow@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/ASRC>

*Director* Associate Professor Mark Onslow

### National Centre for Classification in Health

*Telephone* +61 2 9351 9461

*Facsimile* +61 2 9351 9603

*email* NCCHAdmin@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/NCCH/ncch.html>

*Director* Associate Professor Rosemary Roberts

### National Voice Centre

*Telephone* +61 2 9351 9600

*Facsimile* +61 2 9550 6624

*email* P.Davis@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/Academic/NVC>

*Director* Associate Professor Pam Davis

### Rehabilitation Research Centre

*Telephone* +61 2 9351 9466

*Facsimile* +61 2 9351 9977

*email* G.Davis@cchs.usyd.edu.au

*URL* <http://www.cchs.usyd.edu.au/rrc>

*Director* Associate Professor Glen Davis

## Faculty of Health Sciences

### Dean

Professor Hal Kendig, *AB Calif. MPL PhD S. Calif. FASSA*

### Pro-Dean

Ross G. Menzies, *BSc(Psych) MPsychol(Clin)Hons PhD U.N.S.W.*

### Associate Deans

Harold E. Davey, *BA BEd Melb. MA(Educ) Lond.*

Reginald A. Mitchell, *MSc Macq. DipAppSc Cumb. BSc MED PhD*

Mark Onslow, *MAppSc Cumb. PhD*

Margaret Torode, *BAppSc PITMSc PhD Oregon DipTeach GTC*

### Executive Assistant to the Dean

Margaret Kennedy

### Statistics and Research Officer

vacant

## Department of Behavioural Sciences

### Head of Department

Rosemary V. Cant, *Med WAust. PhD N'de(N.S.W.)*

### Associate Professors

Glennys Howarth, *BA Essex PhD L.S.E TCert Lond.*

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

### Senior Lecturers

Barbara G. Adamson, *BA DipEd N.E. PhD*

Lynne M. Harris, *BSc PhD U.N.S.W.*

Robert C. Heard, *BA PhD*

Varoe Legge, *BA MA Macq. PhD U.N.S.W. DipPhy Macq.*

Chris J. Lennings, *BA MPsychol PhD Macq.*

Ross G. Menzies, *BSc(Psych) MPsychol(Clin)Hons PhD U.N.S.W.*

Reginald A. Mitchell, *MSc Macq. DipAppSc Cumb. BSc MED PhD*

Gerard Sullivan, *BBSoc MA PhD Hawaii DipEd LaT.*

### Lecturers

Peter P. Choo, *BA Pacific Union BEd PhD WAust*

Steven Cumming, *BA MA(Psych) Tas PhD U.N.S.W.*

Ann Hale, *BA Macq.*

Syeda Zakia Hossain, *BA MA Dhaka MA A.N.U. PhD Qld*

Ian Hughes, *BSocSt MDevStud Deaking PhD*

Alan Jones, *BA Macq. DipSpEd Kuring-gai C.A.E.*

Mairwen Jones, *BA PhD RN RPN*

Nathan Moss, *BSc Qld PhD U.N.S.W.*

Liselott E. Muhlen-Schulte, *BA MA DipPsychol PhD*

Carol O'Donnell, *BA Qld MEd PhD Macq. DipEd Qld*

Karen Pepper, *MA W'gong BA*

Gomathi Sitharthan, *MA MPhil. Madr. PhD*

### Associate Lecturers

Ian Andrews, *BA Curtin*

Michael Hough, *BScW. Aust. PhD A.N.U. DipSocSc N.E.*

Dennis McIntyre, *BA N'cle(N.S.W.) DipTeach N'cle C.A.E.*

Kate M. O'Loughlin, *BA Macq.*

Rosemary A. Pynor, *BBSoc LaT.*

Justine Styntes, *BSc MSc Qld.*

## Department of Biomedical Sciences

### Head of Department

Gary M. Lee, *BSc PhD U.N.S.W. MBA U.C.Q.*

### Principal Lecturer

Ronald J. Balnave, *BSc PhD U.N.S.W.*

### Senior Lecturers

Margaret A.C. Bermingham, *MSc N.U.I. PhD Lond.*

Roslyn C. Bohringer, *BSc PhD MEdAdmin U.N.S.W.*

John A. Burne, *BSc PhD DipEd N.E.*

Alan W. Freeman, *MSc PhD Melb.*

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

*GradDipManipTher Cumb. DipTertEdN.E.*

Edward S.G. Hettiaratchi, *MB BS Ceyl. PhD Edin., AMC Canb.*

Fazlul Huq, *MSc Dhaka PhD Lond. DIC DipEd M.C.A.E., FRSC*

Jennifer M. Lingard, *BScQM PhD MBA U.T.S.*

Elizabeth J. Post, *BSc PhD*

Ponnambalam Sivanandasingham, *MB BS Ceyl. PhD Lond.*

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

A. Bulent Turman, *MD Aegean PhD U.N.S.W.*

Patricia D.C. Woodman, *MSc PhD*

### Lecturers

Laura C. Batmanian, *BSc PhD Melb.*

Ian Cathers, *BSc MBiomedE U.N.S.W. DipEd S.T.C.*

Matthew J. Coleman, *BSc PhD*

Elizabeth Hegedus, *BSc Tas. PhD U.N.S.W.*

Peter K. Knight, *BVSc PhD MBA ATMM*

Ann M.C. Murphy, *BSc Qld MSc Auck. PhD Qld*

Helen E. Ritchie, *BSc Qld MSc PhD*

Dana Strain, *BS Purdue MSc DipTertEd N.E.*

Gilbert J. Vella, *BSc PhD U.N.S.W. DipEd S.T.C.*

Sveflana Warton, *MSc Moscow State PhD U.S.S.R. Academy of Science Moscow*

Patricia Weerakoon, *MB BS Ceyl. MS Hawaii MHPEd U.N.S.W.*

Catherine Willis, *MSc U.N.S.W. DipPhy Cumb. DipTertEd N.E.*

May B.E. Wong, *MSc N.E. MHPEd U.N.S.W. DipEd ii.N.S.W. DipTertEd N.E.*

### Associate Lecturers

Jan Douglas-Morris, *BSc MHPEd U.N.S.W. GradDipPhy Cumb.*

Deepika Mahajan, *Bsc Msc Gndu Mphil PhD PU*

Meg Stuart, *BAppSc Cumb. MSc U.N.S.W.*

### Professional Officers

Ronald D. Avery, *AIST*

Louise Hayes, *BSc Macq. MAppSc U.T.S.*

Gautham Jayachandran, *BSc U.N.S.W.*

David Lockwood, *BSc Macq.*

## School of Applied Vision Sciences

### Head of School

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

### Associate Professor

Elaine D. Cornell, *MA Macq., DipAppSc Cumb. DOBA*

### Lecturers

Helen M. Wozniak, *DipAppSc(Orth)C<mb. MHIthScEd DOBA*

Nathan Moss, *BSc Qld. PhD U.N.S.W.*

### Associate Lecturers

Sandra Marshall, BAppSc(Orth) DOBA  
Susan L. Silveira, DipAppSc(Orth) *Cumb.* GradDipMthScEd DOBA  
Monika M Tan, BSc BAppSc(Orth) *Cumb.* DOBA  
Kathryn M Thompson, DipAppSc(Orth) *Cumb.*  
GradCertFflthScEd DOBA  
Valeria L Tosswill, DipAppSc(Orth) *Cumb.* DOBA  
Liane Wilcox, BAppSc(Orth) *Cumb.* DOBA  
Janet E Wulff, DipAppSc(Orth) *Cumb.* DOBA

## School of Communication Sciences and Disorders

### Head of School

Professor Vicki Anne Reed, BS *Northwestern* MA *Denver*  
EdD *N. Colorado*, FASHA  
Appointed 1994

### Honorary Professor

Chris Code, MA *Essex* PhD *Wales* DipCST, AFBPsSC Psychol

### Senior Lecturers

Michelle Lincoln, BAppSc *Cumb.* PhD  
Jan van Doom, BSc *Adel.* PhD *U.N.S.W.*

### Lecturers

Elizabeth Armstrong, BAppSc *Cumb.* MA(Hons) PhD *Macq.*  
Linda S. Hand, BA *Cant.* MA *Iowa* DipT(SpTher) DipEd *Auck.*  
Kerne Lee, BA *N'cle(N.S.W.)* MA PhD *Macq.*  
Alison A. Purcell, MAppSc *Cumb.*  
Christine Sheard, MAppSc *Cumb.*  
Alison Winkworth, BAppSc *Cumb.* PhD

### Postdoctoral Fellows

Karen Croot, BA *Macq.* PhD *Camb.*  
Anthony Hogan, BA *W.Syd* MSc(Hons) *W'gong* PhD *Macq.*  
Leanne Togher, BAppSc *Cumb.* PhD

### Honorary Research Associates

Phillip Dermody, BA MA *Northwestern* PhD *U.N.S.W.*  
Jenny Harasty, BAppSc *Cumb.* MAppSc PhD  
Manfred Herrmann, Dip MD PhD *Albert-Ludwigs*

### Honorary Teaching Associates

Teresa M. Anderson, BAppSc *Cumb.* PhD *Macq.*  
Susan Balandin, MA PhD *Macq* Dip (Speech Therapy) *West*  
*End Hosp. Speech Therapy School, UK*

### Administrative Officer

Robyn Fiddes

## School of Community Health

### Head of School

Roderick W.J. Rothwell, MA(Psych) MA(Phil) PhD

### Senior Lecturers

Kaye E. Brock, BSc *A.N.U.* PhD GradDipNutDiet  
Darien L. Chinnery, BA *Adel.* PhD *U.N.S.W.*  
Judith L.M. Mair, LLB *U.N.S.W.* PhD RN CM DNE FCN  
Cherry L. Russell, BA PhD

### Lecturers

Ruth Baker, MA *W.Syd* AssocDipRC GradDip  
HQthSc(CommHlth)  
Sandra Bentley, BA *Flin.* MA *Macq.* GradDipRC *Cumb.*,  
MASRC  
Elizabeth Devonshire, RN ICUCert DipAromotherapy  
MHlthScEd  
Fran Everingham, BA MHPED *U.N.S.W.* GradDipEd(Fflth  
Stud) *S.C.A.E.* DipEd *U.N.S.W.*  
Trevor K. Hawkins, MS *SMI.* GradDipRC *Cumb.* BA

Victoria Neville, BSc MA *U.N.S.W.* GradDipPhy *Cumb.*  
Tony K. Nolan, BA

### Associate Lecturer

Lynda Matthews, BHlthSc(RC) *Cumb.*  
Elizabeth A. Ling, BA *W.Aust.* GradDip RC *Cumb.*

## Yooroang Garang

### (Centre for Indigenous Health Studies)

### Senior Lecturer

Kathleen Clapham, BA PhD

### Lecturers

Angela Dawson, BA *Cant.* MA *Lond.*  
Sally Farrington, BSc MHPED *U.N.S.W.* GradDipPhy *Cumb.*  
Bruno A. Gelonesi, MA *Macq.* GradDipEdSt *Nepean* C.A.E.  
John Grootjans, BSc *Cumb.* MSc *W.Syd.* DipEd RN  
John Maskall, BA *Deakin* BEd *JUC* GradDip(Arts) *MED*  
*SAust.*

Freidoon A. Khavarpour, BA *Pahlavi* MA PhD *Mich.*

Shane Merritt, BA *N.E.* MA (Psych)

Susan Page, BA *U.N.S.W.* RN CM

### Associate Lecturers

Alison Craigie-Huggins, BA *Deakin*  
John Parsons, BA(Ed) *Deakin*  
Shayne Williams, BEd(Adult Ed) *UTS*

### Research Fellow

Kristie D. DiGregorio, BA *Trinity* M(Ed) PhD *Northwestern*

### Technical Staff

Dean Williams, Dip (Graphic Design)

### Administrative Staff

Christine Yorkston

## School of Exercise and Sport Science

### Head of School

Associate Professor Martin W. Thompson, MSc *Lough.* PhD  
*Lond.* DipPE TSTC *Melb.* AdvDipPE *Leeds*

### John Sutton Chair of Exercise and Sport Science

Maria Fiatarone Singh, MD *Calif.*

### Senior Lecturers

John R. Brotherhood, MBBS *Lond.*  
Chin M. Chow, MSc *Otago* PhD  
Richard M. Smith, BSc *U.N.S.W.* MSc *Macq.* MEd *Mane.* MA  
*Macq.* PhD *W'gong* DipEd  
Margaret Torode, BAppSc *PITMSc* PhD *Oregon* DipTeach *GTC*

### Lecturers

Wendy L. Gilleard, BAppSc(Biomed) *N.S.W.I.T.* MSc *W'gong*  
Thomas H. Gwinn, BAppSc *Cumb.* BSc  
Michael S. Lee, BE *U.N.S.W.* BAppSc *Cumb.* MBiomedE  
*U.N.S.W.*  
Nicholas P. Linthorne BSc *Qld* PhD *W.Aust.*  
Helen T. O'Connor, BSc *U.N.S.W.* DipN.D.  
Rhonda Orr, BSc MEx&SpSc  
Peter J. Sinclair, BPE MEd *W.Aust.*  
Adele R. Weston, BPhEd *Otago*, MSc *Lond.* PhD *CapeT.*

### Associate Lecturers

Doric A. Swain, BEd *UTS*

### Honorary Research Fellows

Grace J. Bryant, GradDipEx&SpSc *Cumb.* MBBS  
Grahame M. Budd, MB BS, MD, FRACP  
Barry V. Holcombe, PhD *U.N.S.W.*

### Technical Staff

Diane M. Eager, BiolTech(HCert) *S.T.C*

Nadine A. Mackay, AssocDipHlthSc(Path.Tech.) *S.T.C* Mgt  
AdvCert. *ETC*

Raymond L. Patton, BiolTech(HCert) *S.T.C*  
Patricia A. Ruell, BSc  
Timothy J. Turner, BAppSc *N.S.W.L.T.* MAppSc *U.T.S*  
*Administrative Staff*  
Lyndall M. Burke

### School of Health Information Management

#### Head of School

Professor Beth Reid, BA *Macq.* MHA PhD *U.N.S.W.*  
Appointed 1996

#### Senior Lecturer

Johanna Westbrook, BAppSc(MRA) *Cumb.* MHA  
GradDipAppEpid *U.N.S.W.*

#### Lecturers

Joanne CaUen, BA DipEd *U.N.S.W.*  
Vera Dimitropoulos, BAppSc(MRA) *Cumb.*  
Angelika Lange, Dipl. Psych. MA(InfSc) *F.U.Berl.*  
Tina Magennis, BAppSc(HPM) *Cumb.* MHA *U.N.S.W.* Grad  
Cert(HlthScEd)  
Ralph La Telia, BAppSc(HM) *Cumb.*

### School of Medical Radiation Technology

#### Head of School

Alastair Davison, BSc PhD *Melb.*

#### Senior Lecturers

Jenny Cox, BA *Macq.* ARMIT  
Ingrid Egan, BSc *Macq.* MSc *U.T.S.* Dip Teach *S.C.A.E.*  
AssDipMedRad *S.T.C.*  
Donald McLean, BSc *U.N.S.W.* MAppSc *Q.I.T.* PhD *Q.U.T.*  
DipEd *Canb.*

#### Lecturers

Edwina Adams, CertNucMed *S.T.C.* BAppSc  
Leigh Ainley, BA *N.E.* Cert Rad *S.T.C.*  
John Aryeo, BA *U.T.S.* AssDipRadTech *S.A.I.T.* MHLthScEd  
Sandra Blomfield, AssDipAppPhys *R.M.I.T.* BAppSc  
Edward Caruana, BAppSc *Cumb.* AssDipMedRad *S.T.C.*  
BAppSc MED RN FCN FIR  
Jill Clarke, DipAppSc Grad DipAppSc *R.M.I.T.* DMU  
*A.S.U.M.* BAppSc  
Simon Cowell, BEd *S.C.A.E.* MEd *U.T.S.* AssDipAdultEd  
*S.C.A.E.* CertNMT *S.T.C.*  
Barrie Egerton, MSc *Salf.* BSc *Wales*  
Jane Fonda, CertRad *R.M.I.T.* DMU ASLZM BAppSc  
Peter Kench, BAppSc GradCertHlthScEd  
Elisabeth Kilburn-Watt, BSc BA *Tor.* MA *Macq.*  
Joanne Murray, GradCertHlthScEd DMU *A.S.U.M.* BAppSc  
Ann Poulos, BA *Macq.* DipRad *U.K.* DipEd *Macq.*  
Marianne Rinks, BEd *U.T.S.* CertRad *S.T.C.*  
John Robinson, CertRad *S.T.C.* BAppSc  
Samir Sarkar, MSc *Dacca* PhD *Kanazawa*  
Natalka Suchowerska, BSc *Aston* MAppSc *U.T.S.*

#### Associate Lecturers

Jocelyn Barnes, BAppSc GradCertHlthScEd

### School of Occupation and Leisure Sciences

#### Head of School

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

#### Associate Professor

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

#### Senior Lecturers

Alan Bowen-James, BA *A.N.U.* MBBS *U.N.S.W.* BA(Phil)  
*Lond.* MA(Comms) Murrf MCogSc *U.N.S.W.* MB Env  
*U.T.S.* MSc *Curtin* MInfoTech *W'gong* PhD *A.N.* UMPHil  
M Juris  
Christine J. Chapparo, MA *Macq.* DipOT, OTR FAOTA  
Maureen H. Fitzgerald, BSc *G.M.U.* PhD *Hawaii* RN  
Jane E. Gamble, BAppSc (OccTher) *Lincoln* MHPEd *U.N.S.W.*

#### Lecturers

Laurence V. Bathurst, MA Leisure Studies *UTS* AssocDipDT  
*Cumb.* GradDip Leisure Mgt *U.T.S.*  
Ruth O. Beltran, BSOT MA *UP.*, OTRP  
Catherine E. Bridge, BAppSc *Cumb.* MCogSc *UNSW*  
Philip W. Chan, MAppSc *Curtin* DipOT TDipCOT *Brit.* RN  
ATM  
Lindy Clemson, BAppSc *WAIT* DipOT *U.N.S.W.* MAppSc  
Harold E. Davey, BA BEdMe». MA (Educ) *Lond.*  
Michelle Donnelly, BAppSc *Cumb.* MA *Macq.*  
Susan D. Griffin, BAppSc (OT) *Cumb.* MA(Hons) *U.N.S.W.*  
PhD *W'gong* GradDip (AppBehSc) *Cumb.*  
Anne M. Hillman, BAppSc (OT) *WAIT*  
Jill Hummell, MA *Macq.* DipOT  
Eveline J. Innes, BAppSc (OT) *W.A.I.T.* MHPEd *U.N.S.W.*  
Gabrielle A. Koop, MA *Macq.* TeachCert *SydTC*  
Fiona R. Li, BAppSc *Cumb.* MHLthScEd  
Peta J. Mudge, AssocDipAppSc(DT) *Cumb.* MHScEd *Cumb*  
ATCL  
Brett O'Neill, BAppSc *Cumb.* MA *Macq.* DipRM  
Judy L. Ranka, BSc (OT) *W.Mich.* MA *Macq.* OTR  
Ruth Sugden, BOccThy *Qld.* SROT (UK) *AIGA*  
GradDip(Couple Therapy) *AIRS*  
Robyn L. Twible, MA *Macq.* DipOT

#### Associate Lecturers

Marjolien Dibden, DipOT *York* MHLthScEd  
Mironne Golan, BAppSc *Cumb.*  
Regina Osten, BAppSc *Cumb.*  
Jacqueline Quirke, AssocDip(OT) MCommHlth

#### Special Projects Officer

Cheryl Bates, DipTeach (Nursing) *S.C.A.E.* RN CM

### School of Physiotherapy

#### Head of School

Elfreda D. Marshall, BAppSc *Lincoln* GradDipPaedPhy  
*Cumb.* MPH

#### Professor

Professor Joy Higgs, BSc MHPEd PhD *U.N.S.W.*  
GradDipPhy *Cumb.*  
Appointed 1994

#### Associate Professors

Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas.* DipTP  
*Edin.*  
Nicholas O'Dwyer, BA *Dublin* MA *U.Coll.Dublin* PhD  
*U.N.S.W.*

### Honorary Associates

Roberta B. Shepherd, MA EdD *Col.* DipPhty, FACP  
Janet H. Carr, MA EdD *Col.* DipPhty, FACP

### Senior Lecturers

Louise M. Ada, BSc PhD *U.N.S.W.* MA *Col.* GradDipPhty  
*Cumb.*

Roger Adams, BA *Adel.* PhD *U.N.S.W.*

Jennifer Alison, DipPhty MSc *Lond.*

David Beard, MSc *Lond.* DPhil *Oxf.* GradDipPhys *Nott.*

Elizabeth R. Ellis, BSc *U.N.S.W.* MSc *Boston* GradDipPhty  
*Cumb.* PhD

Elizabeth C. Henley, BSc *Mun.* BPT *McG.* MCISc *W.Ont.*

Sharon L. Kilbreath, BScPT *Qu.* MCISc *W.Ont.* PhD *U.N.S.W.*

Raymond Lee, MPhil *H.K.* Poly. PhD *Stratclyde*

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

Kathryn M. Refshauge, MBIomedE *U.N.S.W.* DipPhty  
GradDipManipTher *Cumb.*

### Lecturers

Kerry G. Baker, BAppSc(Phty) *Curtin*, PhD(Anatomy)  
*U.N.S.W.* DipPhty *ATI*

Robert A. Boland, BAppSc GradDipAppSc(ManipTher)  
*Cumb.*

Ruth A.C. Bridger, DipPhty MHSceD

Jane Butler, MEd *U.N.S.W.* DipPhty *Auck.*  
GradDipAppSc(PaedPhty) *Cumb.*

Colleen G. Canning, BPhy *Qld* MA *Col.*

Cathy Dean, BAppSc *Cumb.* MA *Col.* PhD

Virginia Fowler, BAppSc *Lincoln* MAppSc(Phty)

Carolyn Gates, MAppSc(Phty)

Robert D. Herbert, BAppSc *Cumb.* MAppSc(Phty)

Cheryl Hobbs, MAppSc *S.Aust.* DipP&OT *Tor.*  
GradDipMgtHlthSciences *S.Aust.*

Adrienne E. Hunt, MBIomedE *U.N.S.W.* GradDipPaedPhty  
*Cumb.*

Gwenda F. Lansbury, BAppSc *Lincoln* BA *Monash* MCH  
*U.N.S.W.*

Dale Larsen, BAppSc GradDipManipTher *Cumb.*  
MAppSc(ManipPhty)

Jane Latimer, BAppSc *Cumb.* GradDipAppSc(ManipPhty)  
PhD

Martin Mackey, BAppSc *Cumb.* MSafSc *U.N.S.W.* BEc

Lyndal Maxwell, BAppSc(Phty) *Lincoln*  
GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phty)

Bredge McCarren, BSc *U.N.S.W.* GradDipPhty *Cumb.*  
GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phty)

Grant McCormick, DipPhty GradDipManipTher *Cumb.*  
MHSceD

Leslie Nicholson, BAppSc GradDipAppSc(SportsSc)  
GradDipAppSc(ManipPhty) *Cumb.*

Eva Schonstein, BAppSc *Cumb.* MHPEd *U.N.S.W.*

Debra Shirley, BSc *U.N.S.W.* GradDipPhty  
GradDipManipTher *Cumb.*

Karyn Whelan, BAppSc(Phty) *Cumb.* MAppSc(Phty)

Vicki K. Williams, BAppSc *Cumb.* MEd *U.N.S.W.*

### Associate Lecturers

Genny Dwyer, BAppSc (Phty) *Cumb.* GradCert(AdultEd)  
N.E. GradDip AppSc(PaedPhty-Hydro) *Curtin*  
MAppSc(Phty)

Joanne Munn, BAppSc(Phty)

Jan Naughton, BA *A.N.U.* BAppSc(Phty) *Cumb.*  
GradDip(Spt.Med.) *Lond.*

Mark Stewart, BAppSc (Phty)

### Academic Program Administrator

Ayanthi Salgado, LLB *Sri Lanka* MA(Int.Rel) Dip(IntAff)

## Centres

### Australian Stuttering Research Centre

#### Director

Associate Professor Mark Onslow, MAppSc *Cumb.* PhD

### National Voice Centre

#### Director

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

#### Senior Lecturer

Dr William Thorpe, BE EE, PhD *Cant.*

#### Director, Community Access Program

Catherine Hastings, B. Dramatic Art *NIDA*

### Rehabilitation Research Centre

#### Director

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

#### Senior Lecturer

Rosemary Jones, BSc *Cardiff* PhD *Birm.*

#### Research Fellow

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

### Cumberland Health and Research Centre

#### Acting Director

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

### Occupational Health Unit

#### Acting Unit Manager

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

#### Audiologists

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

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

#### Exercise Physiologist

Brett Bennett, BSc(HM) Grad DipExSc *W'gong*

#### Occupational Physician

Tom Rosenthal! MBBS FAPOM OccPhys

#### Occupational Therapists

Melissa Benson, BAppSc(OccTher) GradCert(OccTher)  
Neuro

Andrew McLeod, BAppSc(ExPhyd) *Canb.* BAppSc(OccTher)

Rosemary Wood, BAppSc(Occ Ther) *Cumb.*

#### Physiotherapist

Cathy MacKay, BAppSc(Phty) MAPA

#### Psychologists

David Auld, BAPsych N.E. GradDip Eng *U.N.S.W.* MAPsS

Fiona Green, MAPsych MAPsS

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

#### Rehabilitation Counsellors

Anne-Maree Brookes, BHLthSc(RC)

Margaret Elken, MRehabCIng DipPhty

Frances O'Donovan, BSocSc(Psych) *C.Sturt*

Indira Seneviratne, MBBS *Ceyl.* GradDipRehabCIng DFM  
MASRC

#### Specialist Trained Driving Instructor

Shona Blanchette, Dip PhysEd TETC

## Health Clinic

### *Consulting Medical Practitioners*

Dr James S. Harrison, MBBS

Dr Gillian Rothwell, MBBS FRACGP

### *Consulting Orthopaedic Surgeon*

Martin R. Sullivan, FRACS

### *Consulting Orthoptists*

Pierre Elmurr, BAppSc (Orth) DOBA

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

### *Consulting Physiotherapists*

Craig Honeybrook BAppSc(Phty) MAPA

Karen G. Ginn, BSc MHPed *U.N.S.W.* DipPhty

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

Ca thy Mackay, BAppSc(Phty) MAPA

### *Consulting Podiatrist*

Susanne Olsen, AssDipPod MA(Pod)

### *Consulting Masseur*

Peter Butler, DTM

## Continuing Professional Education and Conference Unit

### *Program Coordinators*

Shan I. Wolody, DipAdEd *S.C.A.E.* BSocStud

### *Administrative Assistant*

Margaret Maroki-Badal

## National Centre for Classification in Health

### **Director**

Associate Professor Rosemary Roberts, BA MPH MBA  
*Monash*

### *Associate Director/Coding Services Manager*

Kerry Innes, AssocDip (MRA) *Cumb.*

### *Coding Services Coordinator*

Judith Hooper, BAppSc (MRA) *Cumb.*

### *Senior Classification Officers*

Michelle Bramley, BAppSc (HIM)

vacant

### *Classification Officers*

Patricia DahDah, BAppSc (HIM)

Tiffany Chan, MOperarions Mgt *W.Syd.* BAppSc(ffIM)

### *Publications and Technology Manager*

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

### *Publications Officer*

Chantel Garrett

### *Project Officer-Specialty Booklets*

Monica Komaravalli, BAppSc(HTM)

### *Publications Assistant*

vacant

### *Education Manager*

Karen Peasley, AssocDip(MRA) *Cumb.*

### *Consultant*

Julie Rust, BAppSc(ffIM)

### *Information Systems Officer*

Simon Clarke

### *Database Administrator*

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

### *Quality Manager\**

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

### *Senior Quality Officer\**

Irene Kearsey, BAppSc(MRA) *Lincoln* MA(Archives & Records) *Monash* GradDip(Hlth Admin) *Lincoln*

### *Quality Officers\**

Catherine Perry, BHIM *LaT.*

Andrea Groom, AssocDip(MRA) *Lincoln*

("These positions are located at School of Public Health, La Trobe University.")

### *Projector Manager, Professional Relativities Study*

Lauren Jones, BAppSc(MRA) *Cumb.*

### *Executive Officer*

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

### *Administrative Assistants*

Linda Maleszka

Tina Stanhope

## Administration

### *Faculty Office*

### Academic Development Unit

#### *Distance Education Chair*

Fran Everingham, BA MHPed *U.N.S.W.* GradDipEd(Health Stud) *S.C.A.E.* DipEd *U.N.S.W.*

#### *Instructional Designer*

vacant

#### *International Development Officer*

Beverly Wellington, BEd(N) *A.C.A. E.* MAS(N) RN

#### *Distance Education Officer*

Elizabeth Limbrick, BA *U.N.S.W.* DipEd *Mitchell CAE* GradCert (Personnel Mgt)

#### *Administrative Assistants*

Chelvi Singaram

Jane Cassidy

### Executive Unit

#### *Faculty Manager*

vacant

#### *Acting Finance Officer*

Norman Arena, MComm *U.N.S.W.*, FCPA, AAPM, SIA

#### *Administrative Officer, Research*

Mary C Dinh, BA CertEd *Tas.*

#### *Marketing Officer*

vacant

#### *Course Information Officer*

Karen Cheung, BSSc *Chinese H.K.*

#### *Administrative Assistants*

vacant

## Campus Management

### *Campus Manager*

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

### *Secretary to the Campus Manager*

Maureen Marchant

## Building and Grounds Division

### **Head**

Phillip Sorbello

### **Senior Works Supervisor**

John Sommers

### **Biomedical Engineer**

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

### **Grounds Manager**

Brian Crick

## Information Technology Services Division

### **Acting Head**

Prakash Chordia, MSc(Tech) BITS Pilani

### **Operations Supervisor**

Glenn Russell

### **Network Manager**

Robert West, BSc

### **PC Support**

Karen James

Michael Chang, BSc(Civil Eng.) *Taiwan* Dip of Computer.Tech *S.T.C.*

## Property Services Division

### **Head**

Sharon Vaughan

### **Assets Manager**

David Ryan

### **House Services/Security Manager**

Bruce Murray

### **Mail/Records Manager**

Linda Thompson

### **Residential Supervisor**

Singh Garewal, BA *Delhi*

## Purchasing and Printing Division

### **Printery Manager**

Dianne Gillespie

### **Purchasing Officer**

Barrie Kerr

### **Television Manager**

Ian J. McAulay

## Student Administration Services Division

### **Head**

Anita Olga Anderson, BA *Adel.*

### **Undergraduate Officer**

Linda Dewar

### **Graduate Officer**

Bharati Jayachandran

### **Examinations Officer**

Eileen Logan

### **International Student Officer**

Nancy Chin

## Student Welfare Services Division

### **Acting Head**

Andrea Chan MA NZ MA *ANU* PhD RSACertTEFLA  
GradDip MLT

### **Academic and Communication Skills Tutors**

Rosalie Thomson BA *NE* 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 *Mandaloy* MA(TEM.) GradDipMacg.

### **Student Counsellor**

Julie Grove, BA BPsych *W.Aust* MAPS

## Health Sciences Library

### **Health Sciences Librarian**

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

### **Senior Librarian**

Stephen T.K. Chan, BSocScH.KMBA ILT.S.DipLib *U.N.S.W.*  
AALIA

### **Librarians**

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

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

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

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

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

Elaine Y. L. Tam, BEd *Nott.* MLib. *U.N.S.W.* Teach. Cert. *H.K.*  
DipIMLib

## Personnel Services

### **Personnel Manager**

Melody Newman

### **Senior Personnel Officer**

Ramen Chetty

### **Personnel Officers**

Marilyn Croft

Alan Frost

Jan McGregor



# 2 Faculty of Health Sciences

## 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 1st 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 1st 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 N.S.W. 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, A.K., G.C.M.G., K.St.J., Q.C., 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 the 1st 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 2nd 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 28th 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) 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;
  - 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 members of the staff of the Cumberland College, who 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 of two Departments (Behavioural Sciences and Biomedical Sciences) and eight professional Schools:

- Applied Vision Sciences
- Communication Sciences and Disorders
- Community Health
- » Exercise and Sport Science
- Health Information Management
- Medical Radiation Technology
- Occupation and Leisure Sciences
- Physiotherapy

The College's administrative structure comprises of eight divisions:

- Building and Grounds
- Faculty Office
- Financial Services
- Information Technology Services
- Personnel Services
- 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:

- Corporate Health
- Driver Rehabilitation
- Hearing Rehabilitation
- Occupational Health and Rehabilitation
- Health Clinic
- Exercise Rehabilitation

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, Lidcombe 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-9-CM and ICD-10-AM (Australian Modification) within Australia.

The objectives of the Centre include:

- development and publication of classification systems
- recommending national standards for health classifications
- working with the Australian Institute of Health and Welfare to fulfill

WHO Collaborating Centre status

- development and promotion of coding standards
- preparation and presentation of coding education programs
- dissemination of information on national coding issues
- development of coding quality improvement processes

### **WHO Regional Collaborating Centre for Rehabilitation**

The World Health Organization (WHO) designated the College 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:

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

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

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

# 3 Graduate Courses

## Resolutions of the Senate

### Doctor of Philosophy (PhD)

(Extract from *Calendar 1998*, Volume I)

#### 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.<sup>1</sup>
- (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.

<sup>1</sup> The Academic Board has endorsed an interpretation of the qualifying examination as including completion of a period of relevant full-time or part-time advanced study and research towards a Master's degree in the University of Sydney, at such a standard as would demonstrate to the satisfaction of the Faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Doctor of Philosophy.

- (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 collegeboard 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 at the end of this chapter for course details.

The regulations governing the award of Doctor of Philosophy degree are printed in the Postgraduate Studies Handbook available from the Faculty Office and is also available on the web at:

<http://www.usyd.edu.au/su/planning/policy/>

## Degree of 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 Health Science
    - Communication Sciences and Disorders
    - Exercise and Sport Science
    - Health Information Management
    - Biomedical Sciences
    - Medical Radiation Technology
    - National Voice Centre
    - Occupational Therapy
    - Orthoptics
    - Physiotherapy
    - Rehabilitation Research Centre
    - Community Health Education
    - Gerontology
    - Rehabilitation Counselling
  - OR
  - b) Permit an applicant to enrol as a Master's qualifying student for the purpose of preparing for candidature in any of the above Master's degree courses. On successful completion of the Qualifying Program, a prospective Master's degree student is required to apply for admission to the Master's degree program.
2. An applicant enrolled as a Master's degree candidate or as a qualifying student will not be permitted to undertake concurrently other graduate studies in the University, or elsewhere, except with the approval of the Faculty.
3. An applicant will not be permitted to enrol as a qualifying student or degree candidate unless the Head of School/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.

- 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 Faculty. 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.

\* 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.

## Degree of Master by Coursework

The degree of Master by Coursework may be awarded in the Grade of Pass Degree or Honours Degree. The criteria for the award of Honours are outlined in page 4.7 (administrative information). Please refer to the relevant entry in the chapter of the presenting School or Department (see Table of Contents).

## Graduate Diploma

Please refer to the relevant entry in the chapter of the presenting School or Department (see Table of Contents).

## Graduate Certificate

Please refer to the relevant entry in the chapter of the presenting School or Department (see Table of Contents).

## Awards, Prizes and Scholarships

### 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

Telephone: (02) 9 351 3250 Fax: (02) 9 351 3256

### The Butterworth-Heinemann Treatise Prize

Donated by Butterworth-Heinemann Publishers. Awarded to the postgraduate physiotherapy student submitting the best coursework treatise.

### The Butterworth-Heinemann Thesis Prize

Donated by Butterworth-Heinemann Publishers. Awarded to the postgraduate physiotherapy student submitting the best Master's or PhD thesis.

### The Private Speech Pathologists' Association of New South Wales Master's Thesis Prize

Awarded for a Master's thesis which has been successfully examined and is considered to be of outstanding merit.

## Scholarships

For other scholarships in the University of Sydney, see the Calendar, Volume II.

## Clinical Supervisory Positions for Post-graduate Students

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

Post-graduate 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 Disorders on (02) 9 351 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.

## Explanation of Subject/Units of Study

### Numbering System

The Faculty of Health Sciences has moved to a new Student Information System and a new subject numbering system. From 1998 what were previously known as 'subjects' are to be referred to as 'units of study'. The units of study numbering system is comprised of four letters of the alphabet and four digits. The letters of the alphabet identify the School/Department/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 Departments/Schools/Centres are as follows:

STUT	Australian Stuttering Research Centre
BEHS	Department of Behavioural Sciences
BIOS	Department of Biomedical Sciences
VOIC	National Voice Centre
REHB	Rehabilitation Research Centre
ORTH	School of Applied Vision Sciences
CSCD	School of Communication Sciences and Disorders
COMH	School of Community Health
EXSS	School of Exercise and Sport Science
HIMT	School of Health Information Management
MRTY	School of Medical Radiation Technology
OCCP	School of Occupation and Leisure Sciences
PHTY	School of Physiotherapy
SING	Singapore Institute of Management
AHCD	Yooroang Garang

As part of the transition to the new Student Information System, this Handbook also contains the old subject codes which are placed in parentheses next to the new units of study codes.

## Subject Unit Values

The subjects in all postgraduate courses have been defined in terms of units. A unit is based on total student workload (incorporating both formal classwork and private study).

## SUMMARY OF GRADUATE DEGREES, DIPLOMAS AND CERTIFICATES OFFERED

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

min 3 years-max 5 years F/T  
min 3 years-max 7 years P/T

Area	Mode	Course Code	Unit Code
Australian Stuttering Research Centre	F/T	2401	STUT7002 (24601A)
	P/T	2402	STUT7003 (24601B)
Behavioural Sciences	F/T	1003	BEHS7002 (10601A)
	P/T	1002	BEHS7003 (10601B)
Biomedical Sciences	F/T	1109	BIOS7002 (11601A)
	P/T	1108	BIOS7003 (11601B)
Communication Sciences and Disorders	F/T	1211	CSCD7002 (12601A)
	P/T	1210	CSCD7003 (12601B)
Community Health	F/T	0850	COMH7002 (08601A)
	P/T	0841	COMH7003 (08601B)
Exercise and Sport Science	F/T	2202	EXSS7002 (22601A)
	P/T	2201	EXSS7003 (22601B)
Health Information Management	F/T	0916	HIMT7002 (09601A)
	P/T	0912	HIMT7003 (09601B)
Medical Radiation Technology	F/T	1825	MRTY7002 (18601A)
	P/T	1820	MRTY7003 (18601B)
Occupational Therapy	F/T	1524	OCCP7002 (15601A)
	P/T	1521	OCCP7003 (15601B)
Orthoptics	P/T	1412	ORTH7002 (14601A)
			ORTH7003 (14601B)
Physiotherapy	F/T	1618	PHTY7002 (16601A)
	P/T	1623	PHTY7003 (16601B)
National Voice Centre	F/T	2101	VOIC7002 (21601A)
	P/T	2105	VOIC7003 (21601B)
Rehabilitation Research Centre	F/T	2301	REHA7002 (23601A)
	P/T	2302	REHA7003 (23601B)

Master of Applied Science (MAppSc) (by research) Area	Duration	Mode	Course Code
Australian Stuttering Research Centre (generic award)	min 2 years	F/T	2403
	min 3 years	P/T	2404
Behavioural Science	min 2 years	F/T	1005
	min 3 years	P/T	1006
Biomedical Sciences	min 2 years	F/T	1116
	min 3 years	P/T	1117
Communication Sciences and Disorders	min 2 years	F/T	1213
	min 3 years	P/T	1214
Community Health	min 2 years	F/T	0708
	min 3 years	P/T	0709
Education	min 2 years	F/T	0827
	min 3 years	P/T	0828
Exercise and Sport Science	min 2 years	F/T	2203
	min 3 years	P/T	2204
Gerontology	min 2 years	F/T	0831
	min 3 years	P/T	0832
	min 3 years	Off-Campus	0881

Health Information Management	min 2 years	F/T	0909
	min 3 years	P/T	0910
Medical Radiation Technology	min 2 years	F/T	1827
	min 3 years	P/T	1828
National Voice Centre (generic award)	min 2 years	F/T	2103
	min 3 years	P/T	2104
Occupational Therapy	min 2 years	F/T	1518
	min 3 years	P/T	1511
	min 3 years	Off-Campus	1536
Orthoptics	min 2 years	F/T	1407
	min 3 years	P/T	1408
Physiotherapy	min 2 years	F/T	1624
	min 3 years	P/T	1625
Rehabilitation Counselling	min 2 years	F/T	0848
	min 3 years	P/T	0849
Rehabilitation Research Centre (generic award)	min 2 years	F/T	2303
	min 3 years	P/T	2304
<b>Master of Communication Disorders (MCommDis)</b> <b>(by research)</b>	min 2 years	F/T	1215
	min 3 years	P/T	1216
<b>Master of Health Science (MHlthSc)</b> <b>(by coursework)</b>			
Behavioural Science (BehSc)	min 1.5 years	F/T	1007
	min 3 years	P/T	1008
Child and Adolescent Health (ChldAdolHlth)	min 1.5 years	F/T	1013
	min 3 years	P/T	1014
Community Health (ComHlth)	min 1.5 years	F/T	0706
	min 3 years	P/T	0707
Education (Ed)	min 1.5 years	F/T	0871
	min 3 years	P/T	0872
	min 3 years	Off-Campus	0870
Exercise and Sport Science (Ex&SpSc)	min 1.5 years	F/T	2205
	min 3 years	P/T	2206
Gerontology (Geront)	min 1.5 years	F/T	0865
	min 3 years	P/T	0866
	min 3 years	Off-Campus	0880
Indigenous Community Health (IndigCommHlth)	min 3 years	Off-Campus	0703
Manipulative Physiotherapy (Manip Phty)	min 1.5 years	F/T	1632
	min 3 years	P/T	1633
Medical Radiation Sciences (MRS)	min 3 years	Off-Campus	1836
Occupational Therapy (OT)	min 1.5 years	F/T	1514
	min 3 years	P/T	1516
Physiotherapy (Phty)	min 1.5 years	F/T	1644
	min 3 years	P/T	1645
Sports Physiotherapy (Sports Phty)	min 1.5 years	F/T	1630
	min 3 years	P/T	1631
<b>Master of Health Science Management*</b> <b>(MHlthSc (Mment))</b>	min 3 years	Off-Shore	2012

<b>Master of Occupational Therapy (MOT)</b>	min 2 years	F/T	1534
<b>Master of Rehabilitation Counselling (MRehabCIng)</b>	min 1.5 years min 3 years	F/T Off-Campus	0823 0854
<b>Graduate Diploma of Health Science (GradDipHlthSc)</b>			
Behavioural Science (BehSc)	min 1 year	F/T	1009
	min 2 years	P/T	1010
Child & Adolescent Health (ChldAdolHlth)	min 1 year	F/T	1015
	min 2 years	P/T	1016
Clinical Data Management (ClinDataMgt)	min 2 year	P/T	0917
Community Health (ComHlth)	min 1 year	F/T	0704
	min 2 years	P/T	0705
Education (Ed)	min 1 year	F/T	0873
	min 2 years	P/T	0874
	min 2 years	Off-Campus	0869
Exercise and Sport Science (Ex&SpSc)	min 1 year	F/T	2207
	min 2 years	P/T	2208
Gerontology (Geront)	min 1 year	F/T	0863
	min 2 years	P/T	0864
	min 2 years	Off-Campus	0879
Health Information Management (HIM)	min 1 year	F/T	0906
Indigenous Community Health (IndigComHlth)	min 2 years	Off-Campus	0702
Manipulative Physiotherapy (Manip Phty)	min 1 year	F/T	1607
	min 2 years	P/T	1612
Medical Radiation Sciences (MRS)	min 2 years	Off-Campus	1835
Medical Sonography (Med Sono)	min 2 years	Off-Campus	1832
Physiotherapy (Phty)	min 1 year	F/T	1646
	min 2 years	P/T	1647
Sports Physiotherapy (Sports Phty)	min 1 year	F/T	1640
	min 2 years	P/T	1641
Vision Impairment (VisImp)	min 2 years	P/T	1413
<b>Graduate Diploma (GradDipRehabCIng) in Rehabilitation Counselling</b>	min 1 year	F/T	0801
	min 2 years	Off-Campus	0855
<b>Graduate Certificate of Health Science (GradCertHlthSc)</b>			
Behavioural Science (BehSc)	min 0.5 year	F/T	1011
	min 1 year	P/T	1012
Casemix (Casern)	min 1 year	P/T	0914
Child and Adolescent Health (ChldAdolHlth)	min 0.5 year	F/T	1017
	min 1 year	P/T	1018
Clinical Data Management (CDM)	min 1 year	Off-Campus	0915
Education (Ed)	min 0.5 year	F/T	0875
	min 1 year	P/T	0876
	min 1 year	Off-Campus	0868
Indigenous Community Health (IndigCommHlth)	min 1 year	Off-Campus	0701

Medical Radiation Sciences (MRS)	min 1 year	Off-Campus	1834
Occupational Therapy (OT)	min 1 year	P/T	1525
Physiotherapy (Phty)	min 0.5 year	F/T	1648
	min 1 year	P/T	1649
Vision Impairment (VisImp)	min 1 year	P/T	1414

\* Only Offered Off-Shore in Singapore in conjunction with the Singapore Institute of Management

# 4 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 - Friday between 9 a.m and 4.30 p.m.

The postal address is:

Student Administration (Cumberland)  
The University of Sydney  
P.O. Box 170  
Lidcombe, NSW 1825  
Ph: (02) 9 351 9355  
Fax: (02) 9 351 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).

### 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 unit course fees on the basis of a pro-rata calculation 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 fees (minimum \$10.00 per hour in 1998) for this mode of study.

Application forms are available from the Continuing Professional Education and Conference Unit in A Block and should be lodged prior to commencement.

### 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

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

Completion of enrolment will include submission and subsequent acceptance of matters outstanding at the time of receipt of a signed enrolment form. Such matters may include orthoptic eye tests, evidence of meeting course admission prerequisites and any other items.

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 Employment, Education, Training and Youth Affairs (DEETYA), 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 March Semester if enrolled in a fee paying course;
- g) payment of the estimated Higher Education Contribution for March 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, 28 January, 1999. 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, 12 February, 1999 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.

For HECS liable courses, if the "up-front" mode of payment is adopted, the estimated Higher Education Contribution for March Semester, must be paid by Friday, 26 February, 1999. A statement of enrolment and another fees/charges deposit notice will be issued by the end of February for this purpose. Failure to pay by this date will result in the "up front" payer's enrolment being cancelled on 1 April, 1999, unless the payment option is altered to "defer-to-tax" by 31 March, 1999.

With prior approval only, the last day for new students to commence enrolment is the Friday at the end of Week 2, March Semester (i.e. 12 March, 1999), and the last day to complete enrolment is Wednesday 31 March, 1999. These dates may be varied only with the express approval of the Head, Student Administration (Cumberland). Failure to complete enrolment by the above date will be deemed to indicate lack of intention to pursue the offered course and removal of the enrolment record will ensue.

## 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 March 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 Wednesday, 31 March, 1999. 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 - August Semester

At the beginning of August Semester, a statement of the expected enrolment and associated course fee or estimated 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, 20 August, 1999. Failure to pay by this date may result in the enrolment being cancelled.

Students who do not intend to continue their studies in August Semester must formally withdraw from their course before 31 August, 1999, or they will be liable for course fees or HECS for August Semester.

## Confirmation of Enrolment - March and August Semester

In late April (March Semester) and late September (August 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 in relation to the Higher Education Contribution for that semester. If amendment to this notice is required it should be returned to Student Administration (Cumberland) with an explanatory letter. The completion of a "Variation of Enrolment" form may be required.

## Fees and Charges

### 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 30 April.

### Refund of Student Guild Fees

- a) If written notice of discontinuation of a course is received by 31 March, all Student Guild Fees paid will be refunded.
- b) After 31 March in a year, students who formally discontinue or vary their course of study and consider themselves eligible for a refund of all or part of fees paid to the student organisations, may write to the Secretary of the Cumberland Student Guild detailing their case.
- c) If following some variation of enrolment, a student becomes eligible for a refund of all or part of an "up-front" Higher Education Contribution, the amount of the refund will be notified in the "Confirmation of Enrolment" notice and the refund made a short time after receipt of the notice.
- d) Requests for refund of any other fees or contributions should be directed in writing to the Head, Student Administration (Cumberland) and should detail fully the grounds upon which the request is based.

## Refund of Course Tuition Fees

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

Beyond these dates, no refund will be made.

## 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.

## 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% 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% 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 "HECS - Your Questions Answered 1998" booklet issued at enrolment and available all year round from the Student Enquiry Counter.

## Notes

Schools and Departments publish manuals for many units of study, ranging in cost from \$2 to \$26 (in 1998). Purchase of manuals is optional, but highly recommended. Copies of manuals are available in the Library's Closed Reserve, and in some cases on the internet.

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

## Continuing International Students

Fees for March semester must be paid by 15 January, 1999.  
Fees for August semester must be paid by 30 June, 1999.

## **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 March Semester and 31 August in August Semester. Reinstatement of enrolment, if approved, may require payment of a \$100 fee.

## **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**

### **General**

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" to Student Administration (Cumberland). Forms will not be accepted unless they contain the recommendation(s)/endorsement(s) of the appropriate Heads of Schools/Departments (or their delegates) and other Cumberland Campus staff. Incomplete application forms will be returned to the student.

Unless forms are lodged before 31 March (in March Semester) or 31 August (in August 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:

- a) For March Semester only units, 31 March, 1999;
- b) For full-year units and August Semester only units by 31 August, 1999.

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

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

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

### **Re-Admission after Discontinuation or Abandonment of Course**

Students who discontinue or abandon a course lose their status as registered students of the University. Any subsequent application for re-admission to the course from which they discontinued must be lodged by the advertised closing date. Such an application will be considered with all other applications received that year for that course. 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). The form will not be accepted unless it contains the recommendation(s)/endorsement(s) of the appropriate Heads of School/Department (or their delegates). An incomplete application form will be returned to the student originating it.

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

- a) For March Semester only units, by 31 March, 1999;
- b) For full-year units and August Semester only units, by 31 August, 1999.

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

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

## Leave of Absence

Leave of absence for a specific period may be granted by the Faculty to students in special circumstances. Leave of absence 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". The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it. An incomplete application form will be returned to the student originating it.

If a student has an application for leave of absence approved to the commencement of March Semester of the subsequent year, the student retains the status of a registered student, must enrol in the same or nearest equivalent unit in March Semester of the subsequent year, and will have their record endorsed "discontinued without failure" for each incomplete enrolled unit.

If a student has an application for leave of absence approved to the commencement of August Semester of a subsequent year, the student retains the status of a registered student, must enrol in the same or nearest equivalent units in August Semester of the subsequent year, and will have their record endorsed "discontinued without failure" for each incomplete enrolled unit.

## 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

### General

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

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

### Attendance at Assessments

It is the individual student's responsibility to be available for all assessments, including Post and Deferred 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; or
- any other assessment approved by the Head, Student Administration (Cumberland).

All assessments, with the exception of Post/Deferred assessments, are to be completed by the end of Week 16 of the semester in which a unit terminates.

### Assessment Timetables

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

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

### Rules of Conduct of Written Examinations

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. For examinations run by Student Administration (Cumberland), four copies of the form and supporting documentation must be submitted at the Student Enquiries Counter. For examinations and assessments run by a School/Department/Centre during semester, applications relating to late submission of assignments or inability to attend class tests should in the first instance be lodged with the Head of School/Department/Centre concerned and a copy to Student Administration (Cumberland).

### Disability

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

### Recording of Results

Students' results will be recorded using the following grades:

HD	High Distinction	indicates an outstanding level of achievement
D	Distinction	indicates an excellent level of achievement
CR	Credit	indicates an above average level of achievement
P	Pass	indicates an acceptable level of achievement
TP	Terminating Pass	indicates an acceptable level of achievement in an Honours unit when the student is transferring to the associated Pass program
I	Assessment Incomplete	indicates assessment in the unit is yet to be completed
AS	Advanced Standing	indicates the awarding of credit transfer in the unit of study
X	Fail with Post granted	indicates the student's performance did not reach the acceptable level of achievement but was deemed to be of sufficient merit to warrant further assessment
XP	Pass	indicates a pass following Post Assessment
F	Fan	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

### Levels of Award For Master by Coursework

Master by coursework may be awarded in the grade of Pass degree or Honours. 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. (Please refer to the Table of Contents in the chapter of the presenting School or Department.)
- 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 March Semester

Units that, according to the Faculty Handbooks, are presented only in March Semester.

#### End of August Semester

Units that, according to the Faculty Handbooks, are presented either in August Semester only or are presented over both March and August Semesters.

### Availability of Results for Terminating Units

Results will be made available to students as follows:

#### 1. Public Display of Results

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

Results will be displayed using the student identity number only.

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

Unit	0/ 10	0/ 10	0/ 10
	High Distinction	Distinction	Credit
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:

Supplementary examinations should be regarded by both teacher and taught as distinct privileges granted to worthy students and not as rights.

Supplementary examinations should not in general be granted to students who fail in more than two units.

Examiners or Boards of Examiners should be asked to report which students should be allowed to take supplementary examinations.

Supplementary assessment may be granted to students under the following circumstances:

- due to duly certified illness, misadventure or circumstances beyond their control, the student has been unable to undertake an assessment at the appointed time, or takes an assessment under prejudicial conditions; or
- the student has failed a unit, but the Examiner deems there is doubt about the result; or
- the student has failed in one or more compulsory sections of a unit even though the composite mark may be greater than 49.9. Students in such a unit must have been advised at the start of the unit of any special requirements, e.g. the need to pass all sections or particular sections of the unit.

Assessments granted under circumstances (a) are deferred Assessments. Applications for Special Consideration which may result in a deferred assessment must be lodged by the student, together with medical certificates or documentary evidence, with Student Administration (Cumberland), no later than seven (7) days following the date of assessment. A deferred assessment may be awarded by the course examiner without an application by a student.

Assessments granted under circumstances (b) and (c) are post assessments. Following post assessments the grades awarded are XP or F, unless otherwise determined by the Board of Examiners.

Supplementary assessments (a), (b) and (c) may be granted by the Examiner (ie Head of School/Department) and held prior to the Board of Examiners meeting, or may be granted by the Board of Examiners. Should the Examiner grant a supplementary assessment following the completion of all assessments in a unit but prior to the Board of Examiners, notification of the supplementary assessment must be sent to Student Administration (Cumberland). Where there are sections of a unit (academic or clinical) which must be completed satisfactorily in order to pass the unit, the Examiner may grant a post assessment in some or all of these sections prior to the Board of Examiners. Notification of such a post assessment must be sent to Student Administration (Cumberland).

When determining marks following a post assessment the following guidelines are used:

Where the post assessment is in the whole unit then the mark achieved in that assessment becomes the mark for the unit. Where the post assessment is in a part of a unit, then the mark achieved in that assessment will be aggregated with the mark previously achieved in the other part of the unit. The passing grade awarded following a post assessment is XP (no mark or a mark of 50 or more).

## Finalisation of Assessment Requirements

All deferred and post assessment requirements (with the exception of clinical placements), must be completed by the end of Week 3 of the following semester.

## Review of Results in a Completed Unit

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

Applications for the review must be submitted in writing to Student Administration (Cumberland), within fourteen days of the date on which the results in question have been released.

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

## Appeals Against an Academic Decision

The Faculty of Health Sciences has established procedures whereby a student may appeal against an academic decision. In the first instance students should seek a response from the staff member concerned, or the Subject/Course Co-ordinator. If not satisfied, the student should seek an interview with the Head of School/Department to discuss the matter. If not satisfied with the response from the School/Department, the student may appeal to the Dean. Information on these procedures can be obtained from the Head, Student Administration (Cumberland). While the application of these procedures usually relate 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.

## 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.

## 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 co-ordinator. 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 relevant Heads of Schools/Departments.



# 5 Department of Behavioural Sciences

The Department of Behavioural Sciences provides psychology, sociology and research methods units for students in all undergraduate courses in the Faculty. The staff bring specialised knowledge and experience to the teaching of these disciplines. Students are given a thorough grounding in those aspects of psychology and sociology relevant to client care. In addition there is a focus on the applications of psychological and sociological principles relevant to a range of situations including the psychosocial aspects of sport and recreation, and mental and physical illness.

Other units are designed to enable graduates to understand issues related to policy making and to organisations involved in health delivery systems. Ageing, ethnicity and concerns relating to special interest groups are

considered. The research methods strand enables graduates to read the professional literature critically and to conduct research in their chosen profession.

The Department will launch an undergraduate program in Behavioural Health Science in 1999. Postgraduate programs are offered by the Department leading to doctoral and masters degrees. These degrees are undertaken both by health professionals and by graduates with a major in either psychology or sociology. The staff of the Department have been extensively involved in research, including being the recipients of competitive grants; publishing research in international refereed journals and books; and organising national and international conferences on various aspects of behavioural medicine.

## Summary of Behavioural Sciences Units

Number	Name	Department/School	Page(s)
BEHS5007 (10424)	Psychology of Ageing		
BEHS5027 (10452)	Multicultural Issues in Gerontology		
BEHS5030 (10458)	Psychology	Physiotherapy	14-23
BEHS5031 (10461)	Research Methods	Exercise and Sport Science	10-7
BEHS5038 (10486)	Methodological Issues in Community Health		
BEHS5049 (10517)	Abnormal Psychology and Mental Health		
BEHS5050 (10518)	Behaviour Modification and Cognitive Behavioural Therapy		
BEHS5051 (10519)	Biofeedback		
BEHS5053 (10520)	Cognitive Function in Neurological Disorders		
BEHS5054 (10521)	Counselling		
BEHS5056 (10523)	Cultural Approaches to Disease and Healing and Ethnographic Analysis		
BEHS5057 (10524)	Health Policy and Social Theory		
BEHS5058 (10525)	HIV/ AIDS Health and Social Services		
BEHS5059 (10526)	Introduction to Medical Anthropology		
BEHS5060 (10527)	Occupational Health and Stress		
BEHS5061 (10528)	Post Trauma Stress	Appendix 1	A-10
BEHS5064 (10531)	Research Methods for Medical Anthropologists	Appendix 1	A-11
BEHS5065 (10532)	Social Change and Health Services		
BEHS5067 (10534)	Social Theory and Special Groups		
BEHS5068 (10535)	Sociology of Gender Relations		
BEHS5069 (10536)	Stress and Coping: Social Context and Individual Differences		
BEHS5070 (10537)	Stress and Disability	Appendix 1	A-13
BEHS5071 (10538)	Stress and Illness: Management Issues		
BEHS5073 (10540)	Visualization and Imagery		
BEHS5079 (10547)	Psychology of Child Development	Physiotherapy	14-23
BEHS5080 (10548)	Psychology of Adolescent Development	Physiotherapy	14-23
BEHS5084 (10553)	Computing for Health Practitioners		
BEHS5090 (10557)	Violence Against Children and Adolescents		
BEHS5091 (10558)	Contemporary Issues in Childhood and Adolescence		
BEHS5092 (10559)	Therapy with Children, Adolescents and their Families		
BEHS5095 (10562)	The Sociology of Deviance		
BEHS5096 (10563)	Sociology of Community and Family		

BEHS5097 (10564)	Psychology of Child Development and Adjustment	Appendix 1.....	A-11
BEHS5098 (10565)	Psychology of Adolescent Development and Adjustment	Appendix 1.....	A-10
BEHS5099 (10566)	Subcultural and Cross Cultural Issues: The Costs of Marginality	Appendix 1.....	A-13
BEHS5100 (10567)	Health and Cultural Pluralism	Appendix 1.....	A-6
BEHS5101 (10568)	HIV/AIDS Health and Social Services for Children and Adolescents	Appendix 1.....	A-7
BEHS5103 (10571)	Intermediate Statistics	Health Information Management.....	11-9
		Applied Vision Sciences.....	7-6
		Appendix 1.....	A-15
BEHS5105 (10573)	Multivariate Statistics	Appendix 1.....	A-15
BEHS5106 (10574)	Survey Research Methods	Appendix 1.....	A-16
BEHS5107 (10575)	Developing a Research Project	Appendix 1.....	A-14
BEHS5108 (10576)	Group and Single Case Experimental Research in Clinical Setting's	Appendix 1.....	A-15
BEHS5109 (10578)	Introduction to SPSS	Appendix 1.....	A-8
BEHS5110 (10579)	Intermediate SPSS	Appendix 1.....	A-8
BEHS5112 (10581)	Internet for the Health Professional	Appendix 1.....	A-8
BEHS5114 (10583)	Juvenile Crime in Australia	Appendix 1.....	A-9
BEHS5115 (10584)	Substance Abuse in Young People	Appendix 1.....	A-13
BEHS5116 (10585)	Youth Suicide	Appendix 1.....	A-14
BEHS5117 (10586)	Organisational Structures in Health Contexts	Appendix 1.....	A-10
BEHS5119 (10588)	Ethnic Minorities and Health Care in Australia	Appendix 1.....	A-5
BEHS5120 (10589)	Lesbian and Gay Studies	Appendix 1.....	A-4
BEHS5121 (10590)	Disability and the New Genetics	Appendix 1.....	A-4
BEHS5122 (10591)	Disability and the Community	Appendix 1.....	A-4
BEHS5123 (10592)	Organisational Psychology	Appendix 1.....	A-10
BEHS5124 (10593)	Occupational Rehabilitation	Appendix 1.....	A-10
BEHS5125 (10594)	Art Therapy I	Appendix 1.....	A-2
BEHS5128 (10597)	Risk Management and Rehabilitation Policy	Appendix 1.....	A-11
BEHS5129 (10598)	Health Risk Management (International Perspectives)	Appendix 1.....	A-6
BEHS5130 (105A1)	Introduction to Graduate Studies	Appendix 1.....	A-15
BEHS5131 (105A2)	Children's Health and Welfare Policy	Appendix 1.....	A-2
BEHS5132 (105A3)	Psychological Assessment of Children and Adolescents	Appendix 1.....	A-11
BEHS5133 (105A4)	Research Methods I: Design	Health Information Management.....	11-10
BEHS5135 (105A6)	Intermediate Statistics	Appendix 1.....	A-15
BEHS5136 (105A7)	Qualitative Research Methods	Appendix 1.....	A-15
BEHS5137 (105A8)	Multivariate Statistics	Appendix 1.....	A-15
BEHS5138 (105A9)	Survey Research Methods	Appendix 1.....	A-16
BEHS5139 (105B2)	Group and Single Case Experimental Research in Clinical Settings	Appendix 1.....	A-15
BEHS5140 (10425)	Ageing and Australian Society	Appendix 1.....	A-1
BEHS5141 (10459)	Motor Learning	Exercise and Sport Science.....	10-7
BEHS5142 (10460)	Psychosocial Aspects of Sport	Physiotherapy.....	14-23
		Appendix 1.....	A-11
		Exercise and Sport Science.....	10-7
BEHS5143 (10454)	Behavioural Aspects of Ageing	Appendix 1.....	A-2
BEHS5144 (10472)	Motor Performance and Learning	Physiotherapy.....	14-22
BEHS5145 (105B3)	Art Therapy II	Appendix 1.....	A-2
BEHS5146 (105B4)	International Health: Sociological Analysis	Appendix 1.....	A-8
BEHS5147 (105B5)	Health, Population and Policy Development	Appendix 1.....	A-6
BEHS5148 (105B6)	Sociology of Death and Dying	Appendix 1.....	A-12
BEHS5149 (105B7)	Psychology for Graduate Students	Appendix 1.....	A-10
BEHS5150 (105B8)	Sociology for Health Professionals	Appendix 1.....	A-12
BEHS5151 (105B9)	Advanced Counselling Skills	Appendix 1.....	A-1
BEHS5152 (105C1)	Psychotherapy	Appendix 1.....	A-11
BEHS5153 (105C2)	Counselling Practicum	Appendix 1.....	A-3
BEHS6018 (105B1)	Developing a Research Project	Appendix 1.....	A-14
BEHS9034 (10900)	Special Program for Qualifying Students	Behavioural Sciences.....	5-12

**Table 5.1 Graduate Certificate of Health Science (Behavioural Science)**

Course

Code Mode of Offer

1011 Full-time; minimum 1/2 year or 1 semester

1012 Part-time; minimum 1 year or 2 semesters

Credit Points 24

**Full-time Mode**

			Semi	Sem 2
<i>Year 1</i>				
BEHS5130	(105A1)	Introduction to Graduate Studies	8	~
		3 Electives (4 credit points each)	12	
		1 Information Technology Elective	4	
<i>Stage Total</i>			24	-

**Part-time Mode***Year 1*

BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		3 Electives (4 credit points each)	4	8
		1 Information Technology Elective		4
<i>Stage Total</i>			24	12

Notes

Elective Studies (4 credit points) see Appendix 1.

Information Technology Electives (4 credit points) see Appendix 1

**Table 5.2 Graduate Diploma of Health Science (Behavioural Science)**

Course

Code Mode of Offer

1009 Full-time; minimum 1 year or 2 semesters

1010 Part-time; minimum 2 years or 4 semesters

Credit Points 48

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		3 Electives (4 credit points each)	12	
		1 Information Technology Elective	4	
		3 Electives (4 credit points each)		12
BEHS5113	(10582)	Integrative Paper		12
<i>Stage Total</i>			48	24

**Part-time Mode***Year 1*

BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		3 Electives (4 credit points each)		12
		1 Information Technology Elective	4	
<i>Stage Total</i>			24	12

*Year 2*

		3 Electives (4 credit points each)	12	
BEHS5113	(10582)	Integrative Paper		12
<i>Stage Total</i>			24	12

Notes

Elective Studies (4 credit points) see Appendix 1

Information Technology Electives (4 credit points) see Appendix 1

**Table 5.3 Master of Health Science (Behavioural Science)**

Course

Code Mode of Offer

1007 Full-time; minimum 11/2 years or 3 semesters

1008 Part-time; minimum 3 years or 6 semesters

Credit Points 72

**Full-time Mode**

				Sem 1	Sem 2
<i>Year 1</i>					
		Research Elective		8	-
		3 Electives (4 credit points each)		12	-
		1 Information Technology Elective		4	-
		4 Electives (4 credit points each)		-	16
BEHS5085	(10554)	Treatise Development		-	8
			<i>Stage Total</i>	48	24
				24	24

*Year 2 (and subsequent years)*

BEHS5087	(10556)	Treatise		24	-
			<i>Stage Total</i>	24	-
				24	-

**Part-time Mode***Year 1*

		Research Elective		8	-
		1 Elective (4 credit points each)		4	-
		2 Electives (4 credit points each)		-	8
		1 Information Technology Elective		-	4
			<i>Stage Total</i>	24	12
				12	12

*Year 2*

		3 Electives (4 credit points each)		12	-
		1 Elective (4 credit points each)		-	4
BEHS5085	(10554)	Treatise Development		-	8
			<i>Stage Total</i>	24	12
				12	12

*Year 3 (and subsequent years)*

BEHS5088	(10556A)	Treatise		12	-
BEHS5089	(10556B)	Treatise		-	12
			<i>Stage Total</i>	24	12
				12	12

## Notes

<sup>1</sup> Articulating Students from Graduate Diploma to Master and who have completed Introduction to Graduate Studies, will not be required to take BEHS6018 (105B1) Developing a Research Project.

Elective Studies (4 credit points) (see Appendix 1 for descriptions):

- BEHS5049 (10517) Abnormal Psychology & Mental Health
- BEHS5050 (10518) Behaviour Modification & Cognitive Behavioural Therapy (semester 1 and 2)
- BEHS5051 (10519) Biofeedback
- BEHS5053 (10520) Cognitive Function in Neurological Disorders
- BEHS5054 (10521) Counselling (semester 1 and 2)
- BEHS5056 (10523) Cultural Approaches to Disease and Healing & Ethnographic Analysis (semester 2)
- BEHS5057 (10524) Health Policy and Social Theory (semester 2)
- BEHS5058 (10525) HTV/AIDS: Health and Social Services (semester 1)
- BEHS5059 (10526) Introduction to Medical Anthropology (semester 2)
- BEHS5060 (10527) Occupational Health and Stress (semester 1 and 2)
- BEHS5061 (10528) Post Trauma Stress (semester 1 and 2)
- BEHS5062 (10529) Psychoanalysis, Health, Gender and the Family (semester 2)
- BEHS5063 (10530) Qualitative Research Analysis

BEHS5064	(10531)	Research Methods for Medical Anthropologists (semester 2)
BEHS5065	(10532)	Social Change and Health Services
BEHS5067	(10534)	Social Theory and Special groups
BEHS5068	(10535)	Sociology of Gender Relations
BEHS5069	(10536)	Stress and Coping: Social Context and Individual Differences (semester 2)
BEHS5070	(10537)	Stress and Disability (semester 1 and 2)
BEHS5071	(10538)	Stress and Illness: Management Issues
BEHS5073	(10540)	Visualisation and Imagery (semester 1 and 2)
BEHS5084	(10553)	Computing for Health Practitioners (semester 1 and 2)
BEHS5145	(105B3)	Art Therapy II
BEHS5146	(105B4)	International Health: Sociological Analysis
BEHS5147	(105B5)	Health, Population and Policy Development
BEHS5148	(105B6)	Sociology of Death and Dying
BEHS5149	(105B7)	Psychology for Graduate Students
BEHS5150	(105B8)	Sociology for Health Professionals
BEHS5151	(105B9)	Advanced Counselling Skills
BEHS5152	(105C1)	Psychotherapy
BEHS5153	(105C2)	Counselling Practicum

**Research Electives (8 credit points) (see Appendix 1):**

EXSS5025	(22526)	Biological Measurement and Analysis
BEHS6018	(105B1)	Developing a Research Project
COMH5167	(085A8)	Epidemiological Research
COMH5164	(085A5)	Evaluation Research
BEHS5139	(105B2)	Group and Single Case Experimental Research in Clinical Settings
COMH5165	(085A6)	History and Philosophy of Scientific Methodology
BEHS5135	(105A6)	Intermediate Statistics
BEHS5137	(105A8)	Multivariate Statistics
BEHS5136	(105A7)	Qualitative Research Methods
BEHS5138	(105A9)	Survey Research Methods
BEHS5130	(105A1)	Introduction to Graduate Studies

**Information Technology Electives (4 credit points) (see Appendix 1)**

**Graduate Certificate of Health Science, Graduate Diploma of Health Science, Master of Health Science (Behavioural Science) by Coursework**

The Graduate Certificate/ Graduate Diploma and Master of Health Science ( Behavioural Sciences) by coursework will allow students to gain considerable contemporary knowledge in the disciplines of psychology, sociology, and anthropology and their application to health behaviour and health issues. The courses 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. It is aimed at those who have some background in the health professions and/or relevant disciplines who wish to further their studies in an interdisciplinary manner. The electives give the student the opportunity to develop discipline-based knowledge and research skills (including qualitative and quantitative data analysis) in the context of teachers who are conversant with the relevance of the behavioural sciences to issues of health care, illness and stress, the importance of counselling skills for health professionals, and the historical and changing role of health professions in the context of our culture, adjacent nations, Europe, and the U.S.A. There are no core units specified; electives are chosen

by the student. Masters students will choose their electives in consultation with the supervisor of their research treatise. Where a student can demonstrate mastery, credit transfer for portions of the coursework may be possible on application from the student and with the support of the supervisor.

**Admission Requirements**

Applicants may enter the research master's program with any of the following requirements:

- i) Bachelor's degree with a major in anthropology, sociology or psychology;  
OR
- ii) Bachelor's 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 outline for the Graduate Certificate of Health Science (Behavioural Science) is presented in Table 5.1, the course outline for the Graduate Diploma of Health Science (Behavioural Sciences) is presented in Table 5.2, and the course outline for the Master of Health Science (Behavioural Sciences) is presented in Table 5.3.

### Credit Transfer

Students who have completed the Graduate Certificate will receive full credit (50%) towards the Graduate Diploma of Behavioural Health Science. Students who have completed the Graduate Diploma of Behavioural Health Science will

receive full credit (67%) toward the Master of Behavioural Health Science. Transfer to a research master's degree must occur via advanced standing mechanisms. Consideration of credit transfer follows existing Faculty policy as outlined in this Handbook.

### Unit Descriptions

Unit descriptions for the research electives and elective studies are outlined in Appendix 1.

**Table 5.4 Graduate Certificate of Health Science (Child and Adolescent Health)**

#### Course

Code Mode of Offer

1017 Full-time; minimum 1/2, year or 1 semester

1018 Part-time; minimum 1 year or 2 semesters

Credit Points 24

#### Full-time Mode

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5130	(105A1)	Introduction to Graduate Studies	8	-
		3 Electives (4 credit points each)	12	
		1 Information Technology Elective	4	
		<i>Stage Total</i>	24	-

#### Part-time Mode

##### *Year 1*

BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		1 Electives (4 credit points each)	4	
		1 Information Technology Elective		4
		2 Electives (4 credit points each)		8
		<i>Stage Total</i>	24	12

#### Notes

Elective Studies (4 credit points) see Appendix 1 for descriptions  
Information Technology Electives see Appendix 1

**Table 5.5 Graduate Diploma of Health Science (Child and Adolescent Health)***Course**Code Mode of Offer**1015 Full-time; minimum 1 year or 2 semesters**1016 Part-time; minimum 2 years or 4 semesters**Credit Points 48***Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		3 Electives (4 credit points each)	12	
		1 Information Technology Elective	4	
		3 Electives (4 credit points each)		12
BEHS5113	(10582)	Integrative Paper		12
<i>Stage Total</i>			<i>48</i>	<i>24</i>

**Part-time Mode***Year 1*

BEHS5130	(105A1)	Introduction to Graduate Studies	8	
		1 Information Technology Elective	4	
		3 Electives (4 credit points each)		12
<i>Stage Total</i>			<i>24</i>	<i>12</i>

*Year 2*

		3 Electives (4 credit points each)	12	
BEHS5113	(10582)	Integrative Paper		12
<i>Stage Total</i>			<i>24</i>	<i>12</i>

Notes

Elective Studies (4 credit points) see Appendix 1

Information Technology Electives (4 credit points) see Appendix 1

**Table 5.6 Master of Health Science (Child and Adolescent Health) by Coursework***Course**Code Mode of Offer**1013 Full-time; minimum 1 year or 3 semesters**1014 Part-time; minimum 3 years or 6 semesters**Credit Points 72***Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS6018	(105B1)	Developing a Research Project	8	
		3 Electives (4 credit points each)	12	
		1 Information Technology Elective	4	
		4 Electives (4 credit points each)		16
BEHS5085	(10554)	Treatise Development		8
<i>Stage Total</i>			<i>48</i>	<i>24</i>
<i>Year 2 (and subsequent years)</i>				
BEHS5087	(10556)	Treatise	24	-
<i>Stage Total</i>			<i>24</i>	<i>-</i>

## Part-time Mode

### Year 1

BEHS6018	(105B1)	Developing a Research Project	8	
		1 Elective (4 credit points each)	4	
		1 Information Technology Elective		4
		2 Electives (4 credit points each)		8
		<i>Stage Total</i>	<i>24</i>	<i>12</i>

### Year 2

		3 Electives (4 credit points each)	12	
		1 Elective (4 credit points each)		4
BEHS5085	(10554)	Treatise Development		8
		<i>Stage Total</i>	<i>24</i>	<i>12</i>

### Year 3 (and subsequent years)

BEHS5088	(10556A)	Treatise	12	
BEHS5089	(10556B)	Treatise		12
		<i>Stage Total</i>	<i>24</i>	<i>12</i>

### Elective Studies (4 credit points) (see Appendix 1 for descriptions)

BEHS5033	(10463)	Social Psychology (semester 1)		
BEHS5049	(10517)	Abnormal Psychology and Mental Health		
BEHS5050	(10518)	Behaviour Modification and Cognitive Behavioural Therapy (semester 1 and 2)		
BEHS5051	(10519)	Biofeedback		
BEHS5053	(10520)	Cognitive Function in Neurological Disorders		
BEHS5054	(10521)	Counselling (semester 1 and 2)		
BEHS5056	(10523)	Cultural Approaches to Disease and Healing and Ethnographic Analysis (semester 2)		
BEHS5057	(10524)	Health Policy and Social Theory (semester 2)		
BEHS5058	(10525)	HIV/AIDS: Health and Social Services (semester 1)		
BEHS5059	(10526)	Introduction to Medical Anthropology (semester 2)		
BEHS5060	(10527)	Occupational Health and Stress (semester 1 and 2)		
BEHS5061	(10528)	Post Trauma Stress (semester 1 and 2)		
BEHS5062	(10529)	Psychoanalysis, Health, Gender and the Family (semester 2)		
BEHS5063	(10530)	Qualitative Research Analysis		
BEHS5064	(10531)	Research Methods for Medical Anthropologists (semester 2)		
BEHS5065	(10532)	Social Change and Health Services		
BEHS5067	(10534)	Social Theory and Special groups		
BEHS5068	(10535)	Sociology of Gender Relations		
BEHS5069	(10536)	Stress and Coping: Social Context and Individual Differences (semester 2)		
BEHS5070	(10537)	Stress and Disability (semester 1 and 2)		
BEHS5071	(10538)	Stress and Illness: Management Issues		
BEHS5073	(10540)	Visualisation and Imagery (semester 1 and 2)		
BEHS5084	(10553)	Computing for Health Practitioners (semester 1 and 2)		
BEHS5090	(10557)	Violence Against Children and Adolescents (semester 1)		
BEHS5091	(10558)	Contemporary Issues in Childhood and Adolescence (semester 1)		
BEHS5092	(10559)	Therapy with Children, Adolescents and Their Families		
BEHS5094	(10561)	Young People and Social Control in Australia		
BEHS5095	(10562)	The Sociology of Deviance (semester 1)		
BEHS5096	(10563)	Sociology of Community and Family (semester 1 and 2)		
BEHS5097	(10564)	Psychology of Child Development and Adjustment		
BEHS5098	(10565)	Psychology of Adolescent Development and Adjustment (semester 1 and 2)		
BEHS5099	(10566)	Subcultural and Cross Cultural Issues: The Costs of Marginality		
BEHS5100	(10567)	Health and Cultural Pluralism		

BEHS5101	(10568)	HIV/AIDS: Health and Social Services
BEHS5145	(105B3)	Art Therapy II
BEHS5146	(105B4)	International Health: Sociological Analysis
BEHS5147	(105B5)	Health, Population and Policy Development
BEHS5148	(105B6)	Sociology of Death and Dying
BEHS5149	(105B7)	Psychology for Graduate Students
BEHS5150	(105B8)	Sociology for Health Professionals
BEHS5151	(105B9)	Advanced Counselling Skills
BEHS5152	(105C1)	Psychotherapy
BEHS5153	(105C2)	Counselling Practicum
NRSN4399	(134G8)	Family and Early Childhood Nursing I (semester 1)
NRSN4403	(134H3)	Family and Early Childhood Nursing II (semester 2)

### Information Technology Electives (see Appendix 1)

### Graduate Certificate of Health Science (Child and Adolescent Health), Graduate Diploma of Health Science (Child and Adolescent Health), Master of Health Science (Child and Adolescent Health) by Coursework

The Graduate Certificate in Child and Adolescent Health, Graduate Diploma in Child and Adolescent Health, and Master of Child and Adolescent Health by coursework will allow students to gain considerable contemporary knowledge in the disciplines of psychology, sociology, and anthropology and their application to child and adolescent health issues. The courses 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. The courses are aimed at students who have some background in the health professions and/or relevant disciplines who wish to further their studies in an interdisciplinary manner. The electives give the student the opportunity to develop discipline-based knowledge and research skills (including qualitative and quantitative data analysis); skills relevant to working with survivors of sexual and other violence; integrating issues concerning social scientific validity with legal validity in information gathering; and understanding development, achievements, and difficulties in a social and cultural context. There are no core units specified; electives are chosen by the student. Master's students choose their electives in consultation with the supervisor of their research treatise. Where a student can demonstrate mastery, credit transfer for portions of the coursework may be possible on an application form and with the support of the supervisor.

### Admission Requirements

Applicants may enter the research master's program with any of the following requirements:

- i) Bachelor degree with a major in anthropology, sociology or psychology;  
OR
- ii) 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 outline for the Graduate Certificate of Health Science (Child and Adolescent Health) is presented in Table 5.4, the course outline for the Graduate Diploma of Health Science (Child and Adolescent Health) is presented in Table 5.5, and the course outline for the Master of Health Science (Child and Adolescent Health) is presented in Table 5.6.

### Credit Transfer

Students who have completed the Graduate Certificate in Child and Adolescent Health will receive full credit (50%) towards the Graduate Diploma in Child and Adolescent Health. Students who have completed the Graduate Diploma in Child and Adolescent Health will receive full credit (67%) toward the Master of Child and Adolescent Health. Transfer to a research master's degree must occur via advanced standing mechanisms. Consideration of credit transfer follows existing Faculty policy as outlined in this Handbook.

### Unit Descriptions

Unit descriptions for the research electives and elective studies are outlined in Appendix 1.

Table 5.7 Master of Applied Science (Behavioural Science) by Research

<i>Course Code</i>		<i>Mode of Offer</i>		
1004		Special Program (for Master Qualifying Students)		
1005		Full-time; minimum 2 years or 4 semesters		
1006		Part-time; minimum 3 years or 6 semesters		
<b>Full-time Mode</b>				
			<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
BEHS6018	(105B1)	Developing a Research Project	8	~
BEHS6008	(10516A)	Research Thesis		
BEHS6009	(10516B)	Research Thesis		
<i>Year 2 (and subsequent years)</i>				
BEHS6010	(10516C)	Research Thesis		
BEHS6009	(10516B)	Research Thesis		-
<b>Part-time Mode</b>				
<i>Year 1</i>				
BEHS6018	(105B1)	Developing a Research Project	8	-
BEHS6012	(10516E)	Research Thesis		
<i>Year 2 (and subsequent years)</i>				
BEHS6011	(10516D)	Research Thesis		-
BEHS6012	(10516E)	Research Thesis		

**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**

Applicants may enter the research master's program with any of the following requirements:

- i) Bachelor degree with a major in anthropology, sociology or psychology;  
OR
- ii) 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 5.7.

## Unit Descriptions

### BEHS9034 (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 Appendix 1)

#### **B: Research Thesis A/Research Thesis B (For unit numbers please refer to Table 5.7)**

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the student supervisor. Facilities and equipment necessary to conduct the thesis will be arranged within the Department, unit to the approval of the research design and equipment necessary to conduct the project. This entails writing a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the weekly post-graduate seminars and to present their research proposals and their ongoing work to peer review.

C: Contract Based Elective Studies: Areas of Supervisory Expertise  
*4 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 Appendix 1.



# 6 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.

## Summary of Biomedical Sciences Units

Number	Name	School	Page(s)
BIOS5049 (11514)	Body Function for Health Professionals	Appendix 1.....	A-2
BIOS5018 (11433X)	Health, Dysfunction and Ageing	Appendix 1.....	A-6
BIOS5026 (11455)	Anatomy and Biomechanics A	Physiotherapy.....	14-19
BIOS5028 (11457)	Neurophysiology and Pharmacology	Physiotherapy.....	14-22
BIOS5034 (11470)	Functional Anatomy	Physiotherapy.....	14-21
BIOS5035 (11480)	Advanced Respiratory Physiology	Physiotherapy.....	14-19
BIOS5036 (11481)	Cardiopulmonary Anatomy	Physiotherapy.....	14-20
BIOS5041 (11502X)	Biological Aspects of Ageing	Community Health.....	9-12
BIOS5046 (11513)	Functional Anatomy	Exercise and Sport Science.....	10-7
BIOS5047 (11454)	Biological Science	Medical Radiation Technology.....	12-3
BIOS6016 (11510A)	Research Thesis	Biomedical Sciences.....	6-2
BIOS6017 (11510B)	Research Thesis	Biomedical Sciences.....	6-2

(X) Offered by off-campus Mode

## Table 6.1 Master of Applied Science (Biomedical Sciences) by Research

Course

Code Mode of Offer

1106 Special Qualifying Program (for Master's qualifying students)

1116 Full-time; minimum 2 years

1117 Part-time; minimum 3 years

### Full-time

Year 1	(and subsequent years)	Sem 1	Sem 2
BIOS6016	(11510A) Research Thesis	-	-
BIOS6017	(11510B) Research Thesis	-	-

### Part-time

Year 1	(and subsequent years)	Sem 1	Sem 2
BIOS6016	(11510A) Research Thesis	-	-
BIOS6017	(11510B) Research Thesis	-	-

## 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.

## Unit Descriptions

BIOS6016/BIOS6017 (11510A/11510B)

### Research Thesis

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.

# 7 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 Mrs Neryla Jolly, Head of School of Applied Vision Sciences. (Phone: 02 9351 9250, Fax: 02 9351 9359)

**Table 7.1 Graduate Certificate of Health Science (Vision Impairment)**

<i>Course</i>				
<i>Code</i>	<i>Mode of Offer</i>			
1414	Part-time; 2 Semesters			
<i>Credit Points</i>	24			
			<b>Sem 1</b>	<b>Sem 2</b>
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
		<i>Stage Total</i>	24	12

**Table 7.2 Graduate Diploma of Health Science (Vision Impairment)**

<i>Course</i>				
<i>Code</i>	<i>Mode of Offer</i>			
1416	Full-time; 2 Semesters			
1413	Part-time; 4 Semesters			
<i>Credit Points</i>	48			
			<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
ORTH5002 (14505)	Impact of Vision Impairment		4	
ORTH5003 (14506)	Introduction to Orientation and Mobility		4	
	Elective		4	
ORTH5004 (14507)	Assessment of Vision Impairment			4
ORTH5005 (14508)	Management of the Client with Vision Impairment			4
	Elective			4
		<i>Stage Total</i>	24	12

Elective	4		
Elective	4		
Elective	4		
Elective			4
Elective			4
Elective			4
<i>Stage Total</i>	<i>24</i>	<i>12</i>	<i>12</i>

**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 7.1

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 Unit Descriptions).

**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 7.2. 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 Unit Descriptions).

## Unit Descriptions

### **ORTH5002 (14505) Impact of Vision Impairment**

*Semester 1 - 4 credit points*

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.

### **ORTH5003 (14506) Introduction to Orientation and Mobility Skills**

*Semester 1-4 credit points*

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.

### **ORTH5004 (14507) Assessment of Vision Impairment**

*Semester 2 - 4 credit points*

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.

### **ORTH5005 (14508) Management of the Client with Vision Impairment**

*Semester 2 - 4 credit points*

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.

## Electives

### **Special course electives:**

(Note: most of these electives will include a clinical/ fieldwork practicum)

### **ORTH5007 (14510) Orientation and Mobility Skills 2**

*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).

### **ORTH5017 (14520) Orientation and Mobility Skills 3**

*Semester 2 - 4 credit points*

*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.

### **ORTH5018 (14521) Orientation and Mobility Skills 4**

*Semester 1 or 2-4 credit points*

*Prerequisite Orientation and Mobility Skills 3*

See above description for Orientation and Mobility Skills 3.

### **ORTH5019 (14522) Special Study**

#### **A/ORTH5020 (14523) Special Study B**

*Semester 1 or 2-4 credit points*

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.

### **ORTH5008 (14511) Assessment of Residual Vision**

*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.

### **ORTH5009 (14512) Functional Implications of Vision Impairment**

*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.

### **ORTH5010 (14513) Vision Enhancement**

*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.

### **ORTH5011 (14514) Vision Efficiency Training**

*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.

### **ORTH5012 (14515) Environmental Modification**

*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.

### **ORTH5013 (14516) Vision Impaired Children and Their Families**

*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.

**ORTH5014 (14517) Vision Impairment in the Elderly**  
*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.

**ORTH5015 (14518) Assessment and Management of Clients with Additional Impairments**  
*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.

**ORTH5016 (14519) Community Based Rehabilitation**  
*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.

**Existing electives within the Faculty of Health Sciences**

Students may also select from the following electives 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 the Appendix 1.

- BEHS5111 (10580) Computer Literacy for the Health Professional
- COMH5037 (08441) Program Planning and Evaluation
- COMH5168 (08446; Aboriginal Health
- COMH5042 (08449; Migrant and Refugee Health
- COMH5171 (08453) Health in the Developing World
- COMH5048 (08456; Legal and Ethical Issues in Community Health
- COMH5174 (08483) Introduction to Gerontology
- COMH5069 (08488; Counselling Therapy and Practice
- COMH5101 (08521) Introduction to Community Health Policy and Services
- COMH5102 (08522; Introduction to Epidemiology and Statistics
- COMH5103 (08523; Australian Society and Health
- COMH5134 (08568] Patient Education
- BEHS5054 (10521) Counselling
- BEHS5061 (10528; Post Trauma Stress
- BEHS5065 (10532; Social Change and Health Services
- BEHS5069 (10536) Stress and Coping: Social Context and Individual Difference
- BIOS5018 (11433; Health, Dysfunction and Ageing
- BEHS5070 (10537) Stress and Disability
- BEHS5092 (10559; Therapy with Children, Adolescents and Their Families
- BEHS5097 (10564) Psychology of Child Development and Adjustment

**Table 7.3 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*

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5103	(10571)	Intermediate Statistics	6	
ORTH6006	(14602)	Research Thesis	12	
ORTH6007	(14603)	Research Thesis		24
		Research Elective	6	
<i>Stage Total</i>			48	
			24	24

*Year 2*

ORTH6007	(14603)	Research Thesis		
ORTH6008	(14604)	Research Thesis		-

**Part-time Mode**

*Year 1*

BEHS5013	(10571)	Intermediate Statistics	6	
		Research Elective <sup>2</sup>	6	
ORTH6009	(14605)	Research Thesis		-

*Year 2 (and subsequent years)*

ORTH6006	(14602)	Research Thesis		
ORTH6009	(14605)	Research Thesis	-	-

Notes

<sup>1</sup> 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.

<sup>2</sup> Students may elect to enrol in Research Elective in Years 1 or 2, subject to availability and timetabling constraints. (See Appendix 1 for list of available Research Electives).

## 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.

#### 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) is presented in Table 7.3.

## Unit Descriptions

### ORTH9017 (14900) Special Program - Orthoptics

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

### BEHS5103 (10571) Intermediate Statistics

*Semester 1-6 credit points*

*Pre-requisite Research Methods I and II, or equivalent*

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and E. 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.

### ORTH6006/ORTH6007/ORTH6008/ORTH6009 (14602/ 14603/14604/14605) Research Thesis

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.

### Research Elective

This elective enables students to study a specific research method which is appropriate to their area of interest. For Research Elective unit descriptions, see Appendix 1.

### ORTH5021 (14524) Orthoptics Research Elective

This elective is designed to develop particular research skills and explore a topic that is relevant to current practice and research interest. The structure of this program will be designed in consultation with the students' supervisor and the Schools' Postgraduate Committee.

# 8 School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders is the first and the largest program in communication sciences and disorders in New South Wales and among the largest of programs in Australia. Opportunities are offered for students to study for a:

- 4-year, professionally qualifying Bachelor's degree in Speech Pathology at the Honours and Pass levels - Bachelor of Applied Science (Speech Pathology) (Hons) and Bachelor of Applied Science (Speech Pathology)
- 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))
- 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

Because of its size and maturity, the School has an internationally reputed and published academic staff. This advantage provides 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 clinical learning environment and research opportunities in the School's large on-campus Communication Disorders Treatment and Research Clinic and Speech Science Laboratory.

The degree designed to prepare individuals to practise as Speech Pathologists (formerly known as Speech Therapists) is the 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 assess and treat in medical, educational, and private settings a wide variety of disorders resulting from varied aetiologies. An alternative to the professional speech pathology course is the study of Hearing and Speech in Bachelor of Health Science (Hearing and Speech) course. This course prepares students to pursue, for example: employment in commercial fields involved in developing or marketing speech and/or hearing products; careers in research in universities, hospitals and commercial research and development laboratories; positions as hearing health educators or health promotion workers; further education in areas such as medicine, health services management, rehabilitation counselling, gerontology, or in particular, professional preparation as an audiologist by entering graduate study in audiology. The Hearing and Speech course provides an excellent grounding for entry into audiology. An Honours program is available for each of these two courses and provides opportunities for

talented undergraduate students interested in research and/or pursuing graduate studies to obtain early experiences in the design and conduct of research in communication sciences and disorders.

In contrast to the undergraduate course, at the postgraduate level the Master of Communication Disorders course provides speech pathologists with the opportunity to develop specialisation in a clinical area via 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. In both programs topics are individualised for students in order for them to meet their specific career objectives.

At the PhD level, study is directed to focussed research on an area of communication sciences and disorders. Individuals with PhDs in this area find rewarding careers in academic, research and clinical settings.

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. As indicated above, the School's on-campus specialist area houses the Communication Disorders Treatment and Research Clinic which is a centre of excellence that serves communicatively impaired children and adults. 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.

The School's Speech Science Laboratory, also housed in the on-campus specialist area, 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 speech using the Laboratory's modern technology: 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.

Information about the School and its courses of study can be obtained from Student Administration (Cumberland), 9351 9536, from the Graduate Co-ordinator in the School of Communication Sciences and Disorders, 9351 9450, or from the School's Web page (<http://www.cchs.usyd.edu.au/Academic/CD>).

**Table 8.1 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*

**Full-time Mode**

	<b>Sem 1</b>	<b>Sem2</b>
<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 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.

**Unit Descriptions**

**CSCD6014 (12507A) Research Thesis**

**CSCD6015 (12507B) Research Thesis**

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.

## Table 8.1.1 Master of Communication Disorders (by Research)

### Course

Code Mode of Offer

1215 Full-time; minimum 2 years

1216 Part-time; minimum 3 years

### Full-time Mode

Year 1 (and subsequent years)	Sem 1	Sem 2
CSCD6019 (12508A) Clinical Research Thesis	-	-
CSCD6020 (12508B) Clinical Research Thesis	-	-

### Part-time Mode

Year 1 (and subsequent years)	Sem 1	Sem 2
CSCD6019 (12508A) Clinical Research Thesis	-	-
CSCD6020 (12508B) Clinical 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

## Unit Descriptions

### CSCD6019 (12508A) Clinical Research Thesis

### CSCD6020 (12508B) Clinical Research Thesis

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.



# 9 School of Community Health

The School of Community Health was established in 1987. A major role of the School is to conduct courses which prepare a wide range of health and health-related practitioners to work at the community level and in the workplace in programs which promote better health, support community development and assist clients to participate effectively in the management of their own disabilities and illnesses.

To this end, the School adopts a multidisciplinary approach to teaching and research in the health sciences and has actively sought to foster the professional development of practitioners oriented to the World Health Organisation's "Health For AH" policy. Central to the School's philosophy and curriculum is a focus on the health and social needs of Aboriginal people, women, older people, immigrants and refugees from non-English speaking backgrounds, people with disabilities and other disadvantaged groups.

In 1991, the School introduced a new undergraduate course aimed at further meeting specialised needs in health science education. The Bachelor of Health Science is designed for students who aspire to work in areas such as community development, education, counselling and health promotion, or with special groups such as Aboriginal people or people with disabilities. The degree structure is comprised of a multidisciplinary core group of units and a specialist stream. The first of these specialist streams in Rehabilitation Counselling commenced in 1991. Professional training in rehabilitation counselling however had taken place at the associate diploma and post graduate level at Cumberland College of Health Sciences since the mid 1970s.

In 1993 the Bachelor of Health Science (Aboriginal Health and Community Development) was offered for the first

time. This course adopts a holistic approach to Aboriginal health to equip both Aboriginal and non-Aboriginal people with skills and knowledge to develop programs which meet the health and community needs of Aboriginal people. In 1998 after extensive consultation, the Bachelor's degree course was extended to four years full-time.

The Diploma of Health Science (Aboriginal Health and Community Development) provides Aboriginal students with the opportunity to develop skills and knowledge in areas such as health, counselling, community care and community development so that they may effectively deliver needed services in their communities. Both the BHSc (Aboriginal Health and Community Development) and the Diploma (Aboriginal Health and Community Development) are offered in block-study mode to facilitate access to these courses for the broadest range of students.

At the graduate level the School offers PhD and Master by research programs in Community Health, Rehabilitation Counselling, Gerontology and Health Science Education. Graduate Diploma and Master by coursework programs are also offered in each of these areas. A Graduate Certificate in Health Science Education was introduced in 1992. In 1994 Distance Education studies in Rehabilitation Counselling at the Graduate Diploma and Masters levels were introduced. Commencing 1999, a new graduate coursework program in Indigenous Community Health will be offering at Graduate Certificate, Graduate Diploma and Master's Degree levels. Further course information may be obtained from the School on (02) 9351 9127 for Community Health and Indigenous Community Health and (02) 9351 9565 for Gerontology, Health Science (Education) and Rehabilitation Counselling.

**Table 9.1 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*

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5038	(10486)	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 <sup>1</sup>	-	4
		Elective <sup>1</sup>	-	4
<i>Stage Total</i>			48	
			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 <sup>1</sup>	-	4
		Elective <sup>1</sup>	-	4
<i>Stage Total</i>			26	
			12	14

*Year 2*

BEHS5038	(10486)	Methodological Issues in Community Health	6	-
AHCD5002	(07502)	Program Planning and Evaluation	6	-
AHCD5003	(07503)	Integrative Paper	-	10
<i>Stage Total</i>			22	
			12	10

## Graduate Diploma in 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
- iii) a minimum of 2 years work experience.

### Course Outline

The course outlines for the Graduate Diploma of Health Science (Community Health) full-time and part-time modes are presented in Table 9.1.

## Unit Descriptions

### BEHS5038 (10486) Methodological Issues in Community Health

*Semester 1 - 6 credit points*

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.

### AHCD5003 (07503) Integrative Paper

*Semester 2-10 credit points* ""■

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.

### AHCD5001 (07501) Health Promotion

*Semester 2 - 6 units*

This unit provides an introduction to the principles and processes of major approaches to health promotion.

### AHCD5002 (07502) Program Planning and Evaluation

*Semester 1 - 6 credit points*

The aim of this unit is to examine factors and elements involved in the process of planning and evaluating community health programs.

### AHCD5004 (07504) Introduction to Community Health

*Semester 1-6 credit points*

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.

### AHCD5005 (07505) Australian Society and Health

*Semester 1 - 6 credit points*

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.

Table 9.2 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

**Full-time Mode**

			Sem 1	Sem2
<i>Year 1</i>				
BEHS5038 (10486)	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 <sup>1</sup>			4
	Elective <sup>1</sup>		-	4
<i>Stage Total</i>			48	24

*Year 2*

AHCD5006 (07506)	Treatise		12	-
	2 Research Electives <sup>2</sup>		12	-
<i>Stage Total</i>			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 <sup>1</sup>			4
	Elective <sup>1</sup>			4
<i>Stage Total</i>			26	12

*Year 2*

AHCD5003 (07503)	Integrative Paper			10
BEHS5038 (10486)	Methodological Issues in Community Health		6	
AHCD5002 (07502)	Program Planning and Evaluation		6	
<i>Stage Total</i>			22	10

*Year 3*

AHCD5006 (07506)	Treatise			12
	Research Elective <sup>2</sup>		6	
	Research Elective <sup>2</sup>		6	
<i>Stage Total</i>			24	12

Notes

<sup>1</sup> For a full list of Elective units please see page 9-9. 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 Co-ordinator and the appropriate School or Department. See Appendix 1.

<sup>2</sup> Research Electives: Students will select with the aid of their supervisor appropriate Research Electives from the Faculty wide Masters Research Electives. See Appendix 1.

## **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 9.2.

### **Unit Descriptions**

For descriptions of units common to the Graduate Diploma of Health Science(Community Health) see page 9-3.

COMH5108(08528) Treatise

*12 credit points*

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

**Table 9.3 Graduate Certificate of Health Science (Indigenous Community Health)**

<i>Course</i>				
<i>Code</i>	<i>Mode of Offer</i>			
0701	<i>Off-campus</i>			
	<i>minimum</i>	<i>2 Semester</i>		
	<i>maximum</i>	<i>4 Semester</i>		
			<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
AHCD5038	(07538X)	Indigenous Health: Social, Economic and Cultural Context		6
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health	6	
AHCD5002	(07502X)	Programme Planning & Evaluation	6	
AHCD5039	(07539X)	Indigenous Health Promotion		6
		<i>Stage Total</i>	<i>24</i>	<i>12</i>
			<i>12</i>	<i>12</i>

**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, programme 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:

1. have completed undergraduate diploma or degree in health science for relevant areas;

OR

2. 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) are presented in Table 9.3

**Unit Description**

**AHCD5033 (07533X) Cultural Awareness for Indigenous Health**

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.

**AHCD5038 (07538X) Indigenous Health: Social, Economic and Cultural Context**

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.

**AHCD5002 (07502X) Program Planning and Evaluation**

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programmes/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.

**AHCD5039 (07539X) Indigenous Health Promotion**

This unit provides an introduction to the principles and processes of major approaches to health promotion within indigenous context. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programmes/projects.

**Table 9.4 Graduate Diploma of Health Science (Indigenous Community Health)**

<i>Course Code</i>		<i>Mode of Offer</i>			
0702		<i>Off-campus</i>	<i>minimum</i>	<i>4 Semester</i>	
			<i>maximum</i>	<i>6 Semester</i>	
<i>Year 1</i>				<b>Sem 1</b>	<b>Sem2</b>
AHCD5038	(07538X)	Indigenous Health: Social, Economic and Cultural Context	-	6	
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health	6	-	
AHCD5002	(07502X)	Programme Planning & Evaluation	6	-	
AHCD5039	(07539X)	Indigenous Health Promotion	-	6	
		<i>Total</i>	<i>24</i>	<i>12</i>	<i>12</i>
<i>Year 2</i>				<b>Sem 1</b>	<b>Sem2</b>
<b>Option 1</b>					
BEHS5308	(10486X)	Methodological Issues in Community Health	6	-	
AHCD5040	(07540X)	Dissertation		6	
		Elective	4	-	
		Elective		4	
		Elective	4		
		<i>Total</i>	<i>14</i>	<i>10</i>	
<i>OR</i>					
<b>Option 2</b>					
BEHS5308	(10486X)	Methodological Issues in Community Health	6	-	
AHCD5041	(07541X)	Project Development	6	-	
AHCD5042	(07542X)	Project Management	-	6	
AHCD5043	(07543X)	Project Report	-	6	
		<i>Total</i>	<i>24</i>	<i>12</i>	<i>12</i>

**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:

1. have completed degree in health science or other relevant areas;

OR

2. 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 9.4.

**Unit Description**

**AHCD5041 (07541X) Project Development**  
This subject provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Indigenous health and community development.

**AHCD5042 (07542X) Project Management**  
In this subject, students using management tools are practically engaged in the management of a project in areas of health and health care systems.

**AHCD 5043 (07543X) Project Report**  
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.

**AHCD5040 (07540X) Dissertation**  
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.

**Table 9.5 Master of Health Science (Indigenous Community Health)  
by Coursework**

<i>Course</i>					
<i>Code</i>	<i>Mode of Offer</i>				
0703	<i>Off-campus</i>				
	<i>minimum</i>	<i>6 Semester</i>			
	<i>maximum</i>	<i>8 Semester</i>			
<i>Year 1</i>				<b>Sem 1</b>	<b>Sem 2</b>
AHCD5038	(07538X)	Indigenous Health: Social, Economic and Cultural Context		6	-
AHCD5033	(07533X)	Cultural Awareness for Indigenous Health		-	<b>6</b>
AHCD5002	(07502X)	Programme Planning & Evaluation		6	-
AHCD5039	(07539X)	Indigenous Health Promotion		-	<b>6</b>
<i>Total Stage 1</i>			<i>24</i>	<i>12</i>	<i>12</i>
<i>Year 2</i>				<b>Sem 1</b>	<b>Sem 2</b>
<b>Option 1</b>					
BEHS5308	(10486X)	Methodological Issues in Community Health		6	-
AHCD5040	(07540X)	Dissertation		-	6
		Elective		4	-
		Elective		-	4
		Elective		4	-
<i>Total</i>				<i>14</i>	<i>10</i>
<i>OR</i>					
<b>Option 2</b>					
BEHS5308	(10486X)	Methodological Issues in Community Health		6	-
AHCD5041	(07541X)	Project Development		6	-
AHCD5042	(07542X)	Project Management		-	6
AHCD5043	(07543X)	Project Report		-	6
<i>Total</i>			<i>24</i>	<i>12</i>	<i>12</i>
<i>Year 3</i>				<b>Sem 1</b>	<b>Sem 2</b>
<b>Option 1</b>					
		Research Elective		<b>6</b>	-
		Research Elective		<b>6</b>	-
AHCD5044	(07544X)	Treatise		-	12
<i>OR</i>					
<b>Option 2</b>					
		Research Elective		<b>6</b>	-
		Research Elective		<b>6</b>	-
AHCD5045	(07545X)	Project Evaluation		-	12
<i>Total</i>			<i>24</i>	<i>12</i>	<i>12</i>

## Notes

Electives: The following units 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 Co-ordinator and the appropriate School or Department. See Appendix 1.

AHCD5007	(07507)	Women's Health
AHCD5008	(07508)	Aboriginal Health
AHCD5009	(07509)	Migrant and Refugee Health
AHCD5010	(07510)	Issues in Community Mental Health
AHCD5011	(07511)	Occupational Health and Safety
AHCD5012	(07512)	Drug and Alcohol Studies
AHCD5013	(07513)	Health in the Developing World
AHCD5014	(07514)	Legal & Ethical Issues in Community Health
AHCD5015	(07515)	Community Nutrition
AHCD5016	(07516)	Community Health Policy and Services
AHCD5017	(07517)	Introduction to Epidemiology and Biostatistics
AHCD5018	(07518)	Critical Appraisal
AHCD5019	(07519)	Introduction to Gerontology (6 credit points)
AHCD5020	(07520)	Community Development
AHCD5021	(07521)	Indigenous Community Action
AHCD5022	(07522)	Indigenous Family Health
AHCD5023	(07523)	Indigenous Mental Health
AHCD5024	(07524)	Organisational Management
AHCD5025	(07525)	Project Development
AHCD5026	(07526)	Project Management
AHCD5027	(07527)	School Health
AHCD5028	(07528)	Computer in Health
AHCD5029	(07529)	Ecological Health
AHCD5030	(07530)	Housing and Health
AHCD5031	(07531)	Strategic Planning
AHCD5032	(07532)	Cultural Awareness for Migrant Health
AHCD5033	(07533)	Cultural Awareness for Indigenous Health
AHCD5034	(07534)	Social Justice in Health
AHCD5035	(07535)	Injury Prevention
AHCD5036	(07536)	Independent Learning
AHCD5037	(07537)	Independent Learning

- <sup>2</sup> Research Electives: Students will select with the aid of their supervisor appropriate Research Electives from the Faculty wide Masters Research Electives. See Appendix 1.

## 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:

1. have completed degree in health science or other relevant areas;
- OR
2. 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 9.5.

### Unit Description

#### **AHCD5045 (07545X) Project Evaluation**

The aim of this subject is to provide the students with various tools in the process of evaluating their selected services/programmes/projects.

#### **AHCD5044 (07544X) Treatise**

The general aim of this unit is to synthesise post-graduate learning into a final project relevant to some aspect of Indigenous community health. This is an extensive literature review of a particular topic chosen and agreed with one or more members of the academic staff. A Treatise should not normally exceed 40,000 words.

Table 9.6 Master of Applied Science (Community Health) by Research

*Course*

<i>Code</i>	<i>Mode of Offer</i>
0708	Full-time; minimum 2 years
0709	Part-time; minimum 3 years

**Full-time Mode**

*Year 1 (and subsequent years)*

---

AHCD6001 (07601A)	Research Thesis
AHCD6002 (07602B)	Research Thesis

**Part-time Mode**

*Year 1 (and subsequent years)*

---

AHCD6001 (07601A)	Research Thesis
AHCD6002 (07602B)	Research Thesis

**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 abachelor 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 theapplicantpossessestheeducational 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 9.6.

**Unit Description**

**COMH6016/COMH6017 (08530A/08530B)**

**Research Thesis**

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 maybe required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

**Table 9.7 Graduate Diploma of Health Science (Gerontology)**

Course

Code Mode of Offer

0863 Full-time; 1 year

0864 Part-time; 2 years

0879 Off campus; 2 years

Credit Points 48

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
COMH5058 (08469)	Special Investigation			6
COMH5135 (08474)	Program Planning and Evaluation		6	
COMH5143 (08483)	Introduction to Gerontology		6	
BEHS5039 (10487)	Methodological Issues in Gerontology		6	
BEHS5143 (10454)	Behavioural Aspects of Ageing		6	
BIOS5041 (11502)	Biological Aspects of Ageing			6
	Elective <sup>1</sup>			6
	Elective <sup>1</sup>			6
<i>Stage Total</i>			24	24

**Part-time Mode**

<i>Year 1</i>				
COMH5143 (08483)	Introduction to Gerontology		6	
BEHS5143 (10454)	Behavioural Aspects of Ageing		6	
BIOS5041 (11502)	Biological Aspects of Ageing			6
	Elective <sup>1</sup>			6
<i>Stage Total</i>			12	12
<i>Year 2</i>				
BEHS5039 (10487)	Methodological Issues in Gerontology		6	
COMH5058 (08469)	Special Investigation			6
COMH5135 (08474)	Program Planning and Evaluation		6	
	Elective <sup>1</sup>			6
<i>Stage Total</i>			12	12

## Notes

<sup>1</sup> Students study a total of two electives. Each elective is 6 credit points. The electives offered may vary according to staff availability and student demand. With the approval of the Head of School, students may also choose appropriate electives from units within other graduate courses. See page 9-13 for list of electives.

**Graduate Diploma of Health Science (Gerontology)**

This course provides for the development of knowledge and skills relevant to professional practice in the area of gerontology. Graduates will be equipped for employment in a wide range of work settings which require an understanding of the ageing process and of age related issues and services.

The Program has been developed using the principle of resource-based teaching and learning. Whether you are studying on campus or by distance mode, you will receive a comprehensive Independent Study Package for each unit of coursework study in which you enrol. These include comprehensive study notes, essential readings and assignment details. Library facilities may be accessed by both on- and off-campus students. On campus students may also participate in weekly workshops and seminars.

These do not replace the study packages but provide a forum for exchange and discussion with other students and staff.

**Admission Requirements**

Applicants must have completed a professional diploma or degree course or satisfy the Faculty that they possess some other form of relevant qualification or work experience.

**Course Outline**

The course outline for the Graduate Diploma of Health Sciences (Gerontology) is presented in Table 9.7.

## Unit Descriptions

COMH5058 (08469) Special Investigation

*Semester 2 - 6 credit points*

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

COMH5135 (08474) Program Planning and Evaluation

*Semester 1 - 6 credit points*

The aim of this unit is to examine the process of planning, evaluating and improving programs for older people. Students will gain experience in using a variety of planning and evaluation strategies (e.g., problem solving).

COMH5143 (08483) Introduction to Gerontology

*Semester 1 - 6 credit points*

This unit aims to provide students with an understanding of gerontology as a unique matrix of disciplines and perspectives focused on the interaction of individual and social processes of ageing and on the dynamics of ageing populations. It demonstrates the need for integration of various academic disciplines and professional applications in the study of ageing and older people.

COMH5039 (10487) Methodological Issues in Gerontology

*Semester 1 - 6 credit points*

This unit aims to develop a critical approach to methodological issues involved in the study of ageing and older people and to provide a knowledge base for the unit Special Investigation.

COMH5143 (10454) Behavioural Aspects of Ageing

*Semester 1 - 6 credit points*

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.

BIOS5041 (11502) Biological Aspects of Ageing

*Semester 2 - 6 credit points*

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.

Table 9.8 Master of Health Science (Gerontology) by Coursework

*Course*

*Code Mode of Offer*

0865 Full-time; 1 1/2 years

0866 Part-time; 3 years

0880 Off campus; 3 years

*Credit Points 72*

### Full-time Mode

		Sem 1	Sem 2
<i>Year 1</i>			
COMH5058 (08469)	Special Investigation	-	6
COMH5135 (08474)	Program Planning and Evaluation	6	-
COMH5143 (08483)	Introduction to Gerontology	6	-
BEHS5039 (10487)	Methodological Issues in Gerontology	6	-
BEHS5143 (10454)	Behavioural Aspects of Ageing	6	-
BEHS5041 (11502)	Biological Aspects of Ageing	-	6
	Elective <sup>1</sup>	-	6
	Elective <sup>1</sup>	-	6
<i>Stage Total</i>		48	24
<i>Year 2</i>			
COMH5071 (08494)	Dissertation	12	-
	2 Electives <sup>1</sup>	12	-
<i>Stage Total</i>		24	24

## Part-time Mode

### Year 1

COMH5174 (08483)	Introduction to Gerontology	6	
BEHS5143 (10454)	Behavioural Aspects of Ageing	6	
BIOS5041 (11502)	Biological Aspects of Ageing Elective <sup>1</sup>		6
			6
	<i>Stage Total</i>	<i>24</i>	<i>12</i>
		<i>12</i>	<i>12</i>

### Year 2

BEHS5039 (10487)	Methodological Issues in Gerontology	6	
COMH5135 (08474)	Program Planning and Evaluation	6	
COMH5058 (08469)	Special Investigation Elective <sup>1</sup>		6
			6
	<i>Stage Total</i>	<i>24</i>	<i>12</i>
		<i>12</i>	<i>12</i>

### Year 3

COMH5072 (08494A)	Dissertation	6	
COMH5073 (08494B)	Dissertation		6
	2 Electives <sup>1</sup>	6	6
			6
	<i>Stage Total</i>	<i>24</i>	<i>12</i>
		<i>12</i>	<i>12</i>

## Notes

<sup>1</sup> Electives: Students study a total of four elective units. Each unit is 6 credit points. The electives offered may vary according to staff availability and student demand. With the approval of the School, students may also choose appropriate electives from units within other graduate courses. Electives include:

- COMH5059 (08470) Mental Health in Later Life
- COMH5061 (08476) Law, Ethics and the Rights of Older People
- COMH5069 (08488) Counselling Theory and Practice
- COMH5138 (08578) The Residential Care Setting and Older People
- COMH5139 (08579) Residential Care Policies and Services
- COMH5140 (08580) Community Health Policies and Services
- COMH5141 (08581) The Community Setting and Older People
- COMH5142 (08582) Independent Project
- BEHS5027 (10452) Multicultural Issues in Gerontology
- BIOS5018 (11433) Health, Dysfunction and Ageing

Students may include up to two research units (subject to sufficient student numbers and staff availability) within the total of four elective units. For a list of Research Electives see Appendix 1.

## Master of Health Science (Gerontology) by Coursework

This course provides advanced training in gerontological theory and practice. It is designed to equip graduates with an in-depth understanding of ageing and age-related issues. Graduates will be equipped to occupy senior positions in a variety of planning, service delivery, educational and other settings.

The Program has been developed using the principle of resource-based teaching and learning. Whether you are studying on campus or by distance mode, you will receive a comprehensive Independent Study Package for each unit of coursework study in which you enrol. These include comprehensive study notes, essential readings and assignment details. Library facilities may be accessed by both on- and off-campus students. On campus students may also participate in weekly workshops and seminars. These do not replace the study packages but provide a forum for exchange and discussion with other students and staff.

## Admission Requirements

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

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

## Course Outline

The course outline for the Master of Health Science (Gerontology) by Coursework is presented in Table 9.8.

## Unit Descriptions

Some units are common to the Graduate Diploma of Health Science (Gerontology). Please refer to unit descriptions on pages 9-12,9-13.

### COMH5071 (08494) Dissertation

12 credit points

This unit provides participants with an opportunity to undertake an advanced investigation of a gerontological topic or issue through development of either (i) a proposal for independent research on that topic or (ii) a substantial paper which demonstrates the application of scholarly literature to a practical problem.

## Table 9.9 Master of Applied Science (Gerontology) by Research

### Course

Code Mode of Offer

0831 Full-time; minimum 2 years

0832 Part-time; minimum 3 years

0881 Off-campus

### Full-time Mode

Year 1 (and subsequent years)

---

COMH6023 (08541A) Research Thesis -

COMH6024 (08541B) Research Thesis

### Part-time Mode

Year 1 (and subsequent years)

---

COMH6023 (08541A) Research Thesis -

COMH6024 (08541B) Research Thesis

## 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.

Notes:

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 9.9.

### COMH6023/COMH6024 (08541 A/08541 B)

#### Research Thesis

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

**Table 9.10 Graduate Certificate of Health Science (Education)**

*Course*

*Code Mode of Offer*

0875 *Full-time; 1 Semester*

0876 *Part-time; 2 Semesters*

0868 *Off-campus; 2 Semesters*

*Credit Points 24 (minimum)*

**Full-time Mode**

	Sem 1	or	Sem2
COMH5082 (08504) Adult Learning <sup>1</sup>	6		6
COMH5083 (08505) Instructional Design <sup>2</sup>			6
Elective A <sup>3</sup>	6	or	6
Elective B <sup>3</sup>	6	or	6
Elective C <sup>4</sup>	6		
<i>Stage Total</i>	<hr/> 24		

**Part-time Mode**

COMH5082 (08504) Adult Learning <sup>1</sup>	6	or	6
COMH5083 (08505) Instructional Design			6
Elective A <sup>3</sup>	6	or	6
Elective B <sup>3</sup>	6	or	6
<i>Stage Total</i>	<hr/> 24		

**Notes**

<sup>1</sup> Adult Learning must be undertaken in the first semester of entry to the program.

<sup>2</sup> Instructional Design must be undertaken by students who enter the program in Semester 2.

<sup>3</sup> Participants undertake to study two (2) electives of 6 credit points from List A or List B in the first semester of entry to the program. These electives are normally taken within the School (subject to staff and student availability). See List A and B on page 9-19. For unit descriptions see Appendix 1.

<sup>4</sup> Semester 1 entry students must undertake a third elective from List A.

**Graduate Certificate of Health Science (Education)**

The Graduate Certificate is designed to provide professional development for teachers across the health sciences who wish to enhance their knowledge and skills in planning and implementing effective face-to-face teaching with students, peers, patients, clients, carers or community groups. Knowledge and skill development offered through this program suits health professionals working in roles such as lecturer, tutor, clinical educator, demonstrator, mentor, preceptor, health educator, community educator, patient educator or in-service trainer. Participants can choose to specialise in studies relevant to either teaching, academic and clinical settings, or facilitating health education in community settings. Studies with a health education focus are only available to part-time students. The on-campus course is offered in the evenings full-time for semester 1 only in any year or part-time over one year.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Graduate Diploma with advanced standing for stage 1 of that award.

**Admission Requirements**

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

- i) hold a three year diploma in a relevant health science; OR
- ii) have other professional qualifications and or experience as will satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, 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) is presented in Table 9.10.

## Unit Descriptions

Participants complete a total of four (4) units, including one (1) or two (2) core units and two (2) or three (3) electives, depending on mode and semester of entry.

### COMH5082 (08504) Adult Learning

*Semester 1 or 2-6 credit points*

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.

### COMH5083 (08505) Instructional Design

*Semester 2 - 6 credit points*

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

**Table 9.11 Graduate Diploma of Health Science (Education)**

*Course*

*Code Mode of Offer*

0873 *Full-time; 2 Semesters*

0874 *Part-time; 4 Semesters*

0869 *Off-Campus; 4 Semesters*

*Credit Points 48 (minimum)*

#### Full-time mode

		Sem 1		Sem2
<i>Year 1</i>				
COMH5082 (08504)	Adult Learning <sup>1</sup>	6	or	6
COMH5083 (08505)	Instructional Design			6
	Elective A <sup>2</sup>	6	or	6
	Elective B <sup>2</sup>	6	or	6
	Elective C <sup>2</sup>	6	or	6
	Elective D <sup>2</sup>	6	or	6
	Elective E <sup>2</sup>	6	or	6
	Elective P	6	or	6
<i>Stage Total</i>				48

#### Part-time Mode

<i>Year 1</i>				
COMH5082 (08504)	Adult Learning <sup>1</sup>	6	or	6
COMH5083 (08505)	Instructional Design			6
	Elective A <sup>2</sup>	6	or	6
	Elective B <sup>2</sup>	6	or	6
<i>Stage Total</i>				24
<i>Year 2</i>				
	Elective C <sup>2</sup>	6	or	6
	Elective D <sup>2</sup>	6	or	6
	Elective E <sup>2</sup>	6	or	6
	Elective P	6	or	6
<i>Stage Total</i>				24

#### Notes

<sup>1</sup> Adult Learning must be undertaken in the first semester of entry to the program.

<sup>2</sup> Participants undertake to study six (6) elective of 6 credit points from List A or List B. These electives are normally taken within the School (subject to staff and student availability) See List A and B on page 9-19. For unit descriptions see Appendix 1.

## **Graduate Diploma of Health Science (Education)**

The Graduate Diploma of Health Science (Education) is designed to meet the professional development needs of lecturers, clinical educators, in-service co-ordinators, patient and health educators who have a substantial teaching role including responsibility for the planning and implementation of academic units, clinical experience, continuing education seminars and workshops and other types of small and large group educational experiences.

Coursework develops theory and practice in effective face-to-face facilitation of learning and the planning, management and evaluation of more complex learning events and overall curriculum or health education programs. The elective program offers participants the opportunity to focus their studies on any of the following: student education, including clinical education, technology based teaching continuing education or health education.

Principles of adult learning in the context of health, influence the structure of the course and the selection of learning strategies such as group discussion, experiential learning, problem-based learning and independent learning by personal contract.

The on-campus course is offered in the evenings on a full-time or part-time basis, and can be completed in a minimum of one-year full-time or two years part-time. Studies with a health education focus are only available to part-time students.

The Graduate Diploma is equivalent to Stages 1 and 2 of the Masters in Health Science Education. On successful completion of the Graduate Diploma program students may apply to articulate into the Masters with advanced standing for stage 1 and stage 2 of that award.

## **Admission Requirements**

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

- i) hold Bachelor degree in a relevant area of the health sciences;  
OR
- ii) have such professional qualifications and/ or experience that will satisfy the Faculty or have completed aE requirements for the Graduate Certificate in Health Science (Education) with a credit or above average;  
AND
- 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 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 9.11.

## **Unit Descriptions**

Units are similar to the Graduate Certificate of Health Science (Education). Participants must complete a total of eight (8) units including two (2) core units, six (6) electives. Please refer to unit descriptions on page 9-16.

**Table 9.12 Master of Health Science (Education) by Coursework**

**Course**

**Code Mode of Offer**

0871 Full-time; 3 Semesters

0872 Part-time; 6 Semesters

0870 Off-campus; 6 Semesters

Credit Points 72 (minimum)

**Full-time mode**

		Sem 1		Sem2
<b>Year 1</b>				
COMH5082 (08504)	Adult Learning <sup>1</sup>	6	or	6
COMH5083 (08505)	Instructional Design	-		6
	Elective A <sup>2</sup>	6	or	6
	Elective B <sup>2</sup>	6	or	6
	Elective C <sup>2</sup>	6	or	6
	Elective D <sup>2</sup>	6	or	6
	Elective E <sup>2</sup>	6	or	6
	Elective F	6	or	6
<b>Stage Total</b>				<b>48</b>

**Year 2**

<b>Option 1</b>				
	Elective G <sup>2</sup>	6	or	6
	Elective EP	6	or	6
	Elective I <sup>2</sup>	6	or	6
	Elective J <sup>2</sup>	6	or	6
<b>OR</b>				
<b>Option 2</b>				
COMH5090 (08512)	Dissertation A	12	or	12
	Elective G <sup>2</sup>	6	or	6
	Elective H <sup>2</sup>	6	or	6
<b>OR</b>				
<b>Option 3</b>				
COMH5121 (08554)	Dissertation B	24	or	24
<b>Stage Total</b>				<b>24</b>

**Part-time Mode**

**Year 1**

COMH5082 (08504)	Adult Learning <sup>1</sup>	6	or	6
COMH5083 (08505)	Instructional Design	-		6
	Elective A <sup>2</sup>	6	or	6
	Elective B <sup>2</sup>	6	or	6
<b>Stage Total</b>				<b>24</b>

**Year 2**

	Elective C <sup>2</sup>	6	or	6
	Elective D <sup>2</sup>	6	or	6
	Elective E <sup>2</sup>	6	or	6
	Elective P	6	or	6
<b>Stage Total</b>				<b>24</b>

Option 1				
	Elective G <sup>2</sup>	6	or	6
	Elective H <sup>2</sup>	6	or	6
	Elective P	6	or	6
	Elective J <sup>2</sup>	6	or	6
OR				
Option 2				
COMH5196 (085D1)	Dissertation A	6		
COMH5197 (085D2)	Dissertation A			6
	Elective G <sup>2</sup>	6	or	6
	Elective H <sup>2</sup>	6	or	6
OR				
Option 3				
COMH5198 (085D3)	Dissertation B	12		
COMH5199 (085D4)	Dissertation B	-		12
	<i>Stage Total</i>			<i>24</i>

## Notes

<sup>1</sup> Adult Learning must be undertaken in the first semester of entry to the program.

<sup>2</sup> Participants undertake to study at least six (6) electives of 6 credit points from List A or List B, depending on Option choice for Year 3. For unit descriptions see Appendix 1. These electives are normally taken within the School (subject to staff and student availability) such as:

## List A (normally offered in Semester 1)

COMH5078 (084A0) Distance Learning  
 COMH5027 (08426) Learning in Groups  
 COMH5032 (08431) Teaching with Technology  
 COMH5033 (08432) Independent Investigation I  
 COMH5169 (08434) Assessment of Learning  
 COMH5065 (08482) Large Group Teaching  
 COMH5100 (08520) Clinical Teaching and Supervision  
 COMH5119 (08552) Computers for Teacher Productivity  
 COMH5193 (085C7) Work Based Learning  
 COMH5194 (085C8) Educational Innovation Project

## List B (normally offered in Semester 2)

COMH5144 (08584) Implementing Distance Learning  
 COMH5143 (08583) Teaching Clinical Reasoning  
 COMH5057 (08466) Independent Investigation II  
 COMH5064 (08481) Introduction to Health Education  
 COMH5084 (08506) Facilitating Learning  
 COMH5085 (08507) Educational Practice  
 COMH5086 (08508) Curriculum Leadership  
 COMH5087 (08509) Health Promotion, Planning and Evaluation  
 COMH5094 (08514) Introduction to Educational Computing  
 COMH5095 (08515) Teaching with Reduced Resources  
 COMH5133 (08567) Inservice & Continuing Education in the Health Services  
 COMH5134 (08568) Patient Education  
 COMH5192 (085C6) Developing Web-Based Education (not available in 1999)  
 COMH5195 (085C9) Educational Innovation Project

## Master of Health Science (Education) by Coursework

This course offers professional development for managers of learning in the health sciences, including health education. The course structure 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 curricular practice in the many settings for education in health. Year 1 develops knowledge and skills in effective class and clinical teaching; Year 2 extends competence to planning, processing and evaluating more complex educational experiences and curriculum and Year 3 enables participants to apply their knowledge of education to a problem or issue in curriculum design, innovation or evaluation. Participants with a health education focus use an extensive elective program to extend their knowledge of the many settings, populations, health issues and approaches to change that are relevant to this field.

The course is offered on a full-time or part-time basis. Studies with a health education focus are only available on a part-time basis. Participants in the full-time program need to begin work on their Treatise before commencing their final year. Participants with either a health education or academic focus should discuss their program of study with the Course Coordinator.

### Admission Requirements

- i) Bachelors 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.

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

### Course Outline

The course outline for the Master of Health Science (Education) by Coursework is presented in the Table 9.12.

### Unit Descriptions

Units are similar to the Graduate Certificate in Health Science (Education) and Graduate Diploma in Health Science (Education). Participants must complete a total of the equivalent of twelve (12) units including two (2) core units, six (6) electives, option choices of treatise and/or elective combinations equivalent to 4 units. Please refer to unit descriptions on pages 9-16.

#### **COMH5090 (08512) Dissertation A**

*Semester 1 or 2-12 credit points*

This treatise provides participants with an opportunity to undertake an exploration of the literature in relation to a significant educational topic or issue.

#### **COMH5196 (085D1) Dissertation A**

*Semester 1 - 6 credit points*

This treatise provides participants with an opportunity to undertake an exploration of the literature in relation to a significant educational topic or issue. This unit forms half of the treatise undertaken for the whole year by part-time students.

#### **COMH5197 (085D2) Dissertation A**

*Semester 2 - 6 credit points*

This treatise provides participants with an opportunity to undertake an exploration of the literature in relation to a significant educational topic or issue. This unit forms half of the treatise undertaken for the whole year by part-time students.

#### **COMH5121 (08554) Dissertation B**

*Semester 1 or 2-24 credit points*

This treatise provides participants with an opportunity to undertake either a major investigation of a significant educational topic or issue, or complete a plan for a needs assessment, curriculum development or evaluation.

#### **COMH5198(085D3) Dissertation B**

*Semester 1 -12 credit points*

This treatise provides participants with an opportunity to undertake either a major investigation of a significant educational topic or issue, or complete a plan for a needs assessment, curriculum development or evaluation. This unit forms half of the treatise undertaken for the whole year by part-time students.

#### **COMH5199(085D4) Dissertation B**

*Semester 2 -12 credit points*

This treatise provides participants with an opportunity to undertake either a major investigation of a significant educational topic or issue, or complete a plan for a needs assessment, curriculum development or evaluation. This unit forms half of the treatise undertaken for the whole year by part-time students.

**Table 9.13 Master of Applied Science (Education) by Research**

*Course*

*Code*

0827 *Full-time; minimum 2 years*

0828 *Part-time; minimum 3 years*

**Full-time Mode**

*Year 1 (and subsequent years)*

COMH6013 (08519A) Research Thesis

COMH6014 (08519B) Research Thesis

**Part-time Mode**

*Year 1 (and subsequent years)*

COMH6013 (08519A) Research Thesis

COMH6014 (08519B) Research Thesis

**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) Bachelor degree at Honours level in a health science field or other relevant area;  
OR
- ii) 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 9.13.

**COMH6013/COMH6014 (08519A/08519B)**

**Research Thesis**

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

**Table 9.14 Graduate Diploma in Rehabilitation Counselling**

*Course*

*Code Mode of Offer*

0801 Full-time; 1 year

0855 Off-Campus; 2 years

*Credit Points Full-time; 48, Off-Campus; 52*

**Full-time Mode**

	Sem 1	Sem2
<i>Year 1</i>		
COMH5007 (08407A) Counselling A	4	-
COMH5008 (08407B) Counselling B	-	4
COMH5010 (08409A) Rehabilitation A	4	-
COMH5011 (08409B) Rehabilitation B	-	4
COMH5014 (08411A) Independent Study A	3	-
COMH5015 (08411B) Independent Study B	-	3
COMH5018 (08415A) Vocational Rehabilitation A	4	-
COMH5019 (08415B) Vocational Rehabilitation B	-	4
COMH5022 (08417A) Field Experience I		4 <sup>1</sup>
COMH5023 (08417B) Field Experience II	-	5 <sup>1</sup>
COMH5191 (085A9) Medical Aspects of Disability	3	-
Elective <sup>4</sup>	3	-
Elective <sup>4</sup>	-	3
<i>Stage Total</i>	48	23

*Year 1 and 2 (Offered in 1999)*

COMH5010 (08409A) Rehabilitation A	4	-
COMH5011 (08409B) Rehabilitation B	-	4
COMH5014 (08411A) Independent Study A <sup>2</sup>	3	-
COMH5015 (08411B) Independent Study B <sup>2</sup>	-	3
COMH5025 (08419) Field Experience B	-	5 <sup>3</sup>
COMH5191 (085A9) Medical Aspects of Disability	3	-
Elective <sup>4</sup>	3	-
Elective <sup>4</sup>	-	3
<i>Year 1 Stage Total</i>	22	12
<i>Year 2 Stage Total</i>	28	15

**Off-Campus Mode**

*Year 1 and 2 (Offered in 2000)*

COMH5007 (08407A) Counselling A	4	-
COMH5008 (08407B) Counselling B	-	4
COMH5018 (08415A) Vocational Rehabilitation A	4	-
COMH5019 (08415B) Vocational Rehabilitation B	-	4
COMH5024 (08418) Field Experience A	-	4 <sup>3</sup>
COMH5176 (084A4) Residential School	-	4
COMH5014 (08411 A) Independent Study A <sup>2</sup>	3	-
COMH5015 (08411B) Independent Study B <sup>2</sup>	-	3
<i>Year 1 Stage Total</i>	24	16
<i>Year 2 Stage Total</i>	30	19

**Notes**

<sup>1</sup> Includes two five (5) week (175 hour) block placements at separate agencies, complemented by pre-placement tutorials. The first placement will be undertaken in the inter-semester recess.

<sup>2</sup> For students enrolled in second year only.

<sup>3</sup> May be completed in either semester or during inter-semester break.

## Rehabilitation Counselling Electives

COMH5177	(085B1X)	Psychiatric Rehabilitation
COMH5178	(085B2X)	Rehabilitation and Substance Abuse
COMH5179	(085B3)	Rehabilitation of Public Offenders
COMH5180	(085B4)	Rehabilitation of Persons with Developmental Disability
COMH5181	(085B5X)	Rehabilitation and Older People
COMH5182	(085B6X)	Rehabilitation of Persons with Acquired Brain Injury
COMH5183	(085B7)	Rehabilitation of Persons from NESB
COMH5184	(085B8)	Rehabilitation of Persons with Vision Impairment
COMH5185	(085B9)	Rehabilitation of Persons with Hearing Loss
COMH5186	(085C1)	Rehabilitation of Spinal Injury
COMH5187	(085C2)	Rehabilitation of Persons Living with HIV/AIDS
COMH5188	(085C3)	Rehabilitation and Post-Traumatic Stress Disorders
COMH5189	(085C4)	Chronic Pain in Rehabilitation
COMH5190	(085C5)	Leisure and Recreation for People with Disability
AHCD5050	(07550)	Perspectives in Indigenous Health

## Graduate Diploma in Rehabilitation Counselling

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 9.14.

## Unit Descriptions

### COMH5007 (08407A) Counselling A

*Semester 1-4 credit points*

This intensive unit introduces theories and procedures utilised within the assessment process as it relates to rehabilitation counselling, provides practice covering the basic microskills involved in the initial assessment interview. The aim is the development of the understanding necessary to conceptualise a client's needs and to formulate appropriate goals for counselling.

### COMH5008 (08407B) Counselling B

*Semester 1 - 4 credit points*

Students are introduced to the theory and practice of the interpersonal process approach to counselling. The aim is the development of both theoretical and applied understandings of this most basic of counselling skills

### COMH5010 (08409A) Rehabilitation A

*Semester 1 - 4 credit points*

Rehabilitation Theory and Practice; Case and Caseload Management.

### COMH5011 (08409B) Rehabilitation B

*Semester 2 - 4 credit points*

Psychosocial Aspects of Disability; Legal Aspects of Rehabilitation.

### COMH5014 (08411A) Independent Study A/

#### COMH5015(08411B) Independent Study B

*Semester 1 - 3 credit points*

*Semester 2 - 3 credit points*

In Semester 2, 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.

### COMH5018 (08415A) Vocational Rehabilitation A

*Semester 1 - 4 credit points*

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.

### COMH5019 (08415B) Vocational Rehabilitation B

*Semester 2 - 4 credit points*

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.

### COMH5022 (08417A) Field Experience I

#### COMH5023(08417B) Field Experience II

*9 credit points*

*385 hours*

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.

COMH5024 (08418) Field Experience A  
4 credit points  
193 hours

COMH5025 (08419) Field Experience B  
5 credit points  
192 hours

COMH5176 (084A4) Residential School  
4 credit points

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

COMH5191 (085A9) Medical Aspects of Disability  
Semester 1 - 3 credit points

This unit aims to provide a background of information and knowledge which are 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.

Elective

Semester 1-3 credit points

Students study the rehabilitation needs and services provided for a special client group selected from the Elective list below. Not all Electives are offered in any one year.

Elective

Semester 2 - 3 credit points

Students study the rehabilitation needs and services for a second special client group selected from the Elective list below. Not all electives are offered in any one year.

AHCD5050 (07550) Perspectives in Indigenous Health

Semester 2 - 3 credit points

This unit is based on the themes of continuity and change in the Aboriginal community, with comparative examples being drawn from across the country. Constructs of Aboriginality will be analysed, and the inter-relatedness and interdependence of facets of Aboriginal life will be explored.

**Table 9.15 Master of Rehabilitation Counselling (by Coursework)**

*Course*

*Code Mode of Offer*

0823 *Full-time; 1.5 years (3 semesters) Credit Points 72*

0824 *Part-time; 3 years (6 semesters) (no commencing students since 1996) Credit Points 72*

0854 *Off-Campus; 3 years (6 semesters) Credit Points 76*

**Full-time Mode**

	Sem 1	Sem 2
<i>Year 1</i>		
COMH5007 (08407A) Counselling A	4	-
COMH5008 (08407B) Counselling B	-	4
COMH5010 (08409A) Rehabilitation A	4	-
COMH5011 (08409B) Rehabilitation B	-	4
COMH5018 (08415A) Vocational Rehabilitation A	4	-
COMH5019 (08415B) Vocational Rehabilitation B	-	4
COMH5022 (08417A) Field Experience I		4 <sup>1</sup>
COMH5023 (08417B) Field Experience II	-	5 <sup>1</sup>
COMH5191 (085A9) Medical Aspects of Disability	3	-
Research Elective		6 <sup>2</sup>
Elective <sup>5</sup>	3	
Elective <sup>5</sup>		3
<i>Stage Total</i>	<i>48</i>	<i>26</i>

*Year 2 (Semester 1)*

COMH5110 (08540) Treatise	24	-
<i>Stage Total</i>	<i>24</i>	

**Off-Campus Mode**

*Years 1 and 2 (to be offered in 1999)*

COMH5010 (08409A) Rehabilitation A	4	-
COMH5011 (08409B) Rehabilitation B	-	4
COMH5023 (08419) Field Experience B	-	5 <sup>3</sup>
COMH5191 (085A9) Medical Aspects of Disability	3	-
Elective <sup>5</sup>	3	
Elective <sup>5</sup>		3
<i>Stage Total</i>	<i>22</i>	<i>12</i>

*Years 1 and 2 (to be offered in 2000)*

COMH5007 (08407A) Counselling A	4	-
COMH5008 (08407B) Counselling B	-	4
COMH5018 (08415A) Vocational Rehabilitation A	4	-
COMH5019 (08415B) Vocational Rehabilitation B	-	4
COMH5024 (08418) Field Experience A	-	43
COMH5176 (084A4) Residential School	-	4
<i>Stage Total</i>	<i>24</i>	<i>16</i>

*Year 3*

COMH5111 (08540A) Dissertation	12	-
COMH5112 (08540B) Dissertation	-	12
Research Elective	6	-
<i>Stage Total</i>	<i>30</i>	<i>12</i>

**Notes**

- <sup>1</sup> 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.
- <sup>2</sup> Research Elective: Students select one of the units in consultation with the course co-ordinator. 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 Appendix 1.
- <sup>3</sup> May be completed in either semester or during inter-semester break.
- <sup>4</sup> For students enrolled in second year only.
- <sup>5</sup> Rehabilitation Counselling Electives
  - COMH5177 (085B1X) Psychiatric Rehabilitation
  - COMH5178 (085B2X) Rehabilitation and Substance Abuse
  - COMH5179 (085B3) Rehabilitation of Public Offenders
  - COMH5180 (085B4) Rehabilitation of Persons with Developmental Disability
  - COMH5181 (085B5X) Rehabilitation and Older People
  - COMH5182 (085B6X) Rehabilitation of Persons with Acquired Brain Injury
  - COMH5183 (085B7) Rehabilitation of Persons from NESB
  - COMH5184 (085B8) Rehabilitation of Persons with Vision Impairment
  - COMH5185 (085B9) Rehabilitation of Persons with Hearing Loss
  - COMH5186 (085C1) Rehabilitation of Spinal Injury
  - COMH5187 (085C2) Rehabilitation of Persons Living with HIV/AIDS
  - COMH5188 (085C3) Rehabilitation and Post-Traumatic Stress Disorders
  - COMH5189 (085C4) Chronic Pain in Rehabilitation
  - COMH5190 (085C5) Leisure and Recreation for People with Disability
  - AHCD5050 (07550) Perspectives in Indigenous Health

**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.

**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;  
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.

- 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 9.15.

**COMH5110/COMH5111/COMH5112 (08540/08540A/  
08540B) Dissertation**

*Semester 1 -12 credit points*

*Semester 2-12 credit points*

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.

**Research Elective**

*Semesters 1 - 6 credit points*

## Table 9.16 Master of Applied Science (Rehabilitation Counselling) by Research

### Course

Code	Mode of Offer
0848	Full-time; minimum 2 years
0849	Part-time; minimum 3 years

### Full-time Mode

#### Year 1 (and subsequent years)

COMH6004 (08422A)	Research Thesis
COMH6005 (08422B)	Research Thesis

### Part-time Mode

#### Year 1 (and subsequent years)

COMH6004 (08422A)	Research Thesis
COMH6005 (08422B)	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
- ii) an Associate Diploma of Health Science (Rehabilitation Counselling) plus a bachelor's 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 9.16.

### COMH6004/COMH6005 (08422A/08422B) Research Thesis A

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.

## Field Experience/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.

### 1999 Field Placement Dates

#### Graduate Diploma and Master in Rehabilitation Counselling

##### Semester 1

28 June to 6 August

##### Semester 2

25 October to 26 November

# 10 School of Exercise and Sport Science

The School of Exercise and Sport Science was established to promote excellence in the development of knowledge and skills related to human physical performance in the context of sport, recreation, work, leisure and rehabilitation. It is responsible for the undergraduate Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Applied Science (Exercise and Sport Science)(Honours), the Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by Coursework, Master of Applied Science (Exercise and Sport Science) by Research and PhD supervision in the area of Exercise and Sport Science. The School is also responsible for teaching related units in other Schools within the Faculty.

Graduates of the undergraduate and postgraduate programs in Exercise and Sport Science will be prepared for a range of careers including sport science, exercise programming in rehabilitation and specific groups such as the aged, children and spinally injured, and workplace and personal fitness promotion. Examples of professional occupations in this area are sport, exercise or rehabilitation scientist, corporate fitness manager in public and private sector industries, coach and trainer.

Information about the School and its courses of study can be obtained from the Faculty of Health Sciences Student Administration Services (Cumberland), 9 351 9355 or from the School of Exercise and Sport Science, 9 351 9612.

**Table 10.1 Graduate Diploma of Health Science (Exercise and Sport Science)**

<i>Course</i>				
<i>Code</i>	<i>Mode of Offer</i>			
2207	Full-time; 1 year			
2208	Part-time; 2 years			
<i>Credit Points 48</i>				
<b>Full-time Mode</b>				
			<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
BEHS5141	(10459)	Motor Learning	-	3
EXSS5001	(22502)	Biomechanics I	6	-
EXSS5002	(22503)	Applied Physiology I	6	-
EXSS5003	(22504)	Biomechanics II	-	5
EXSS5004	(22505)	Applied Physiology II	-	4
BEHS5031	(10461)	Research Methods	3	-
EXSS5005	(22506)	Exercise and Rehabilitation I	3	-
<i>Sport Science Strand</i>				
BEHS5142	(10460)	Psychosocial Aspects of Sport	-	3
EXSS5006	(22507)	Clinical Exercise Testing and Athlete Assessment	6	-
EXSS5007	(22508)	Exercise Prescription and Practice	-	6
EXSS5008	(22509)	Sports Nutrition	-	3
OR				
<i>Exercise Rehabilitation Science Strand<sup>1</sup></i>				
EXSS5009	(22510)	Exercise and Rehabilitation II	-	3
BIOS5046	(11513)	Functional Anatomy	-	6
EXSS5010	(22511)	Clinical Biomechanics	-	3
<i>Stage Total</i>			48	
			24	24

## Part-time Mode

### Year 1

BEHS5141	(10459)	Motor Learning	-	3
EXSS5001	(22502)	Biomechanics I	6	-
EXSS5002	(22503)	Applied Physiology I	6	-
EXSS5003	(22504)	Biomechanics II	-	5
EXSS5004	(22505)	Applied Physiology II	-	4
<i>Stage Total</i>			<i>24</i>	<i>12</i>

### Year 2

BEHS5031	(10461)	Research Methods	3	-
EXSS5005	(22506)	Exercise and Rehabilitation I	3	-
<i>Sport Science Strand</i>				
BEHS5142	(10460)	Psychosocial Aspects of Sport	-	3
EXSS5006	(22507)	Clinical Exercise Testing and Athlete Assessment	6	-
EXSS5007	(22508)	Exercise Prescription and Practice	-	6
EXSS5008	(22509)	Sports Nutrition	-	3
OR				
<i>Exercise Rehabilitation Science Strand<sup>1</sup></i>				
EXSS5009	(22510)	Exercise and Rehabilitation II	-	3
BIOS5046	(11513)	Functional Anatomy	-	6
EXSS5010	(22511)	Clinical Biomechanics	-	3
<i>Stage Total</i>			<i>24</i>	<i>12</i>

## Notes

- <sup>1</sup> Students undertaking the Exercise Rehabilitation Science Strand are required to select an additional unit (or group of units) of 6 credit points from the Sport Science Strand.
- <sup>2</sup> Students completing the Graduate Diploma in Exercise and Sport Science with a credit grade average, may apply to proceed to the Master of Health Science (Exercise and Sport Science).
- <sup>3</sup> **The availability of elective units will be dependent upon student demand and availability of academic staff and resources.**

## 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, biomechanics 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. The two year part-time course may be completed in one year full-time.

### Admission Requirements

#### A Pass Entry Level

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

#### B Honours Entry Level

Applicants who have completed an approved Bachelor's degree at honours level in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields may also be admitted.

#### C 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.

#### D 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 10.1.

Table 10.2 Master of Health Science (Exercise and Sport Science) by Coursework

<i>Course</i>				
<i>Code</i>	<i>Mode of Offer</i>			
2205	Full-time; 1 1/2 years			
2206	Part-time; 3 years			
<i>Units</i>	72			
<b>Full-time Mode</b>				
			<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
BEHS5141	(10459)	Motor Learning	-	3
EXSS5001	(22502)	Biomechanics I	6	-
EXSS5002	(22503)	Applied Physiology I	6	-
EXSS5003	(22504)	Biomechanics II	-	5
EXSS5004	(22505)	Applied Physiology II	-	4
BEHS5031	(10461)	Research Methods	3	-
EXSS5005	(22506)	Exercise and Rehabilitation I	3	-
<i>Sport Science Strand</i>				
BEHS5142	(10460)	Psychosocial Aspects of Sport	-	3
EXSS5006	(22507)	Clinical Exercise Testing and Athlete Assessment	6	-
EXSS5007	(22508)	Exercise Prescription and Practice	-	6
EXSS5008	(22509)	Sports Nutrition	-	3
	OR			
<i>Exercise Rehabilitation Science Strand<sup>2</sup></i>				
EXSS5009	(22510)	Exercise and Rehabilitation II	-	3
BIOS5046	(11513)	Functional Anatomy	-	6
EXSS5010	(22511)	Clinical Biomechanics	-	3
			<i>Stage Total</i>	<i>48</i>
			<i>24</i>	<i>24</i>
<i>Year2<sup>3</sup></i>				
EXSS5011	(22512)	Research Project	10	-
EXSS5012	(22513)	Applied Physiology III	4	-
EXSS5013	(22514)	Biomechanics III	4	-
EXSS5023	(22524)	Project Development	6	-
			<i>Stage Total</i>	<i>24</i>
			<i>24</i>	<i>-</i>
<b>Part-time Mode</b>				
			<b>Total</b>	<b>Sem 1</b>
				<b>Sem2</b>
<i>Year 1</i>				
BEHS5141	(10459)	Motor Learning	-	<b>3</b>
EXSS5001	(22502)	Biomechanics I	6	-
EXSS5002	(22503)	Applied Physiology I	6	-
EXSS5003	(22504)	Biomechanics II	-	<b>5</b>
EXSS5004	(22505)	Applied Physiology II	-	<b>4</b>
			<i>Stage Total</i>	<i>24</i>
			<i>12</i>	<i>12</i>
<i>YearS</i>				
BEHS5031	(10461)	Research Methods	3	-
EXSS5005	(22506)	Exercise and Rehabilitation I	3	-
<i>Sport Science Strand</i>				
BEHS5142	(10460)	Psychosocial Aspects of Sport	-	3
EXSS5006	(22507)	Clinical Exercise Testing and Athlete Assessment	6	-
EXSS5007	(22508)	Exercise Prescription and Practice	-	6
EXSS5008	(22509)	Sports Nutrition	-	3

OR

*Exercise Rehabilitation Science Strand\**

EXSS5009	(22510)	Exercise and Rehabilitation II	-	3	
BIOS5046	(11513)	Functional Anatomy		6	
EXSS5010	(22511)	Clinical Biomechanics		3	
<i>Stage Total</i>			<i>24</i>	<i>12</i>	<i>12</i>

*Years<sup>3</sup>*

EXSS5011	(22512)	Research Project			10
EXSS5012	(22513)	Applied Physiology III	4	or	4
EXSS5013	(22514)	Biomechanics III	4	or	4
EXSS5023	(22524)	Project Development	6		
<i>Stage Total</i>			<i>24</i>	<i>14</i>	<i>10</i>

Notes

- <sup>1</sup> **The availability of elective units will be dependent upon student demand and availability of academic staff and resources.**
- <sup>2</sup> Students undertaking the Exercise Rehabilitation Science strand are required to select an additional unit (or group of units) of 8 units duration from the Sport Science strand.
- <sup>3</sup> Full-time students must complete year 1 with a credit grade average before proceeding to year 2.  
Part-time students must complete year 1 and 2 with a credit grade average before proceeding to year 3.

**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, biomechanics, motor learning and applied research 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 the psychosocial aspects of sport are also undertaken.

The course is divided into two stages: Stage I comprises coursework (lectures, tutorials, seminars, laboratory practicals) in common with the Graduate Diploma program while Stage II includes further coursework directed towards the completion of a research project.

**Admission Requirements**

**A Pass Entry Level**

To qualify for admission to the Master of Health Science (Exercise and Sport Science) program, applicants shall possess an undergraduate degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields. A background in anatomy or biomechanics and physiology is essential. Applicants will normally be enrolled into the Graduate Diploma program and will articulate into Stage II of the Masters program after successful completion of the Graduate Diploma (Stage I).

**B Honours Entry Level**

Applicants who have completed an approved Bachelor's degree at honours level in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields may also be admitted into the Master of Health Science (Exercise and Sport Science).

**C 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.

**D Holders of the Graduate Diploma**

Holders of the Graduate Diploma in Sport Science, Graduate Diploma in Exercise and Sport Science or Graduate Diploma in Applied Science (Exercise and Sport Science) from Cumberland College of Health Sciences OR holders of an equivalent qualification may be granted Credit Transfer in the Master of Health Science (Exercise and Sport Science) by coursework. Such applicants will be considered on an individual merit basis by the Faculty.

**E 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.

**Note:** Progression to year 3 for students admitted to the Master of Health Science (Exercise and Sport Science) is contingent upon achieving a credit grade average in years 1 and 2. Where a credit grade average is not achieved, students who complete years 1 and 2 successfully can graduate with a Graduate Diploma of Health Science (Exercise and Sport Science).

**Course Outline**

The course outline for the Master of Health Science (Exercise and Sport Science) by Coursework is presented in Table 10.2.

**Table 10.3 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*

<b>Full-time Mode</b>		<b>Sem 1</b>	<b>Sem2</b>
<i>Year 1 (and subsequent years)</i>			
EXSS6002	(22501A) Research Thesis		
EXSS6003	(22501B) Research Thesis		
<b>Part-time Mode</b>			
<i>Year 1 (and subsequent years)</i>			
EXSS6002	(22501A) Research Thesis		
EXSS6003	(22501B) Research Thesis		

**Notes**

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.

**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 10.3.

## Unit Descriptions

### **EXSS5002 (22503) Applied Physiology I**

*Semester 1-6 credit points*

This unit will provide the student with a developing infrastructure for Applied Physiology. Initially, this unit 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.

### **EXSS5004 (22505) Applied Physiology II**

*Semester 2 - 4 credit points*

*Pre-requisite Applied Physiology I (22503)*

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.

### **EXSS5012 (22513) Applied Physiology III**

*Semester 1 or 2 - 4 credit points*

This unit will enable the student to investigate in-depth selected topics in Applied Physiology. These topics will be carefully selected to ensure that the student has a strong understanding of the proposed area of research. Teaching will comprise a mix of didactic lectures and a strong component of directed learning. During this unit, students will comprehensively review and critically analyse literature in the selected topic, with associated seminar presentations.

### **EXSS5001 (22502) Biomechanics I**

*Semester 1 - 6 credit points*

This unit will provide basic biomechanical concepts and skills required for the analysis of human movement. Principles of kinematics, kinetics and electromyography 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.

### **EXSS5003 (22504) Biomechanics II**

*Semester 2 - 5 credit points*

*Pre-requisite Biomechanics I (22502)*

This unit extends the foundation concepts and skills developed in Biomechanics I. Specific topics such as electromyography in dynamic muscle movements, fluid mechanics, projectile motion, mechanical energy distribution, and mechanics of implements will be studied in the context of specific motor activities.

### **EXSS5013 (22514) Biomechanics III**

*Semester 1 or 2-4 credit points*

For unit description refer to Biomechanics III in the Master of Applied Science (Exercise and Sport Science) by research program.

### **EXSS5010(22511) Clinical Biomechanics**

*Semester 2 - 3 credit points*

*Pre-requisite Biomechanics II (22504)*

The purpose of this unit is to improve the student's capacity to predict the mechanical effects of training regimes, 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.

### **EXSS5006 (22507) Clinical Exercise Testing and Athlete Assessment**

*Semester 1 - 6 credit points*

This unit will cover the basic principles of exercise testing applied to healthy, asymptomatic individuals, clinical and disabled patients and athletic populations. Topics covered include:

graded exercise testing for healthy, asymptomatic adults; laboratory and field fitness testing for sports participants and elite athletes; cardiopulmonary stress testing for symptomatic patients with cardiac disease, respiratory and central or peripheral neuropathic dysfunction; laboratory and field testing of asymptomatic, disabled individuals; interpretation of exercise electrocardiograms and advanced techniques of cardiovascular assessment; assessment of muscular strength, muscular endurance and anaerobic power in clinical, healthy or athletic populations. Common to all testing methodologies for healthy or patient populations will be the importance of specificity, reliability, validity and sensitivity.

### **EXSS5005 (22506) Exercise and Rehabilitation I**

*Semester 1 - 3 credit points*

This unit will provide a foundation upon which students will be able to critically evaluate methods of management of the person who has sustained injury during physical activity. The emphasis will be on the response of body tissues to injury, immobilisation and rehabilitation, and the influence of these factors upon tissue repair and restoration of function.

### **EXSS5009 (22510) Exercise and Rehabilitation II**

*Semester 2 - 3 credit points*

*Pre or Co-requisites Applied Physiology II (22505),*

*Biomechanics II (22504), Exercise and Rehabilitation I (22506)*

Students in this unit will be exposed to current trends in selected areas of rehabilitation. This approach will include an examination of the physiological and psychological basis of rehabilitation including appropriate clinical management.

The areas of rehabilitation selected for presentation will depend on the available expertise of the staff, and could include rehabilitation of the deconditioned person, coronary and respiratory rehabilitation, as well as rehabilitation of the sports person.

**EXSS5007 (22508) Exercise Prescription and Practice**

*Semester 2 - 6 credit points*

*Pre or Co-requisite Applied Physiology II (22505)*

This unit develops the concept of exercise training as potentially beneficial to cardiovascular fitness and muscular strength in healthy individuals, symptomatic patients or disabled populations. Topics covered include:

principles of exercise prescription in healthy, asymptomatic adults; exercise training for sports participants and elite athletes

iii) modifications of exercise prescription for clinically symptomatic individuals including cardiac patients, pulmonary disease patients and persons with central or peripheral neuropathic dysfunction; modifications of exercise prescription for disabled individuals; special considerations for exercise training in women, elderly adults and children.

In addition this unit will focus upon the physiological outcomes of exercise training upon the cardiovascular, respiratory and musculoskeletal systems

**BIOS5046 (11513) Functional Anatomy**

*Semester 2 - 6 credit points*

*Pre-requisite An appropriate accredited course in Anatomy*

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 (11172) and Functional Anatomy B (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.

**BEHS5141 (10459) Motor Learning**

*Semester 2 - 3 credit points*

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.

**EXSS5023 (22524) Project Development**

*Semester 1-6 credit points*

*Co-requisite Research Project (11438/22512)*

In this unit, students will further the implementation and evaluation of their research projects. The unit is designed to give structure to the process of undertaking a research project in exercise physiology, biomechanics or motor learning. It provides a forum in which to exchange ideas, formulate and test concepts, report on progress (including possible pilot work), defend developments and generally develop critical faculties in relation to the requirements of the research project.

**BEHS5142 (10460) Psychosocial Aspects of Sport**

*Semester 2 - 3 credit points*

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.

**BEHS5031 (10461) Research Methods**

*Semester 1-3 credit points*

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 discussed with particular reference to clinical trials. Both categorical and measured data models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

**EXSS5011 (22512) Research Project**

*Semester 1 or 2 - 10 credit points*

*Pre-requisite Project Proposal (22515)*

*Co-requisite Project Workshop (22516)*

In this unit students will work individually or in small groups to conduct an investigative project related to exercise physiology, biomechanics or motor learning. 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.

**EXSS6002/EXSS6003 (22501A/22501/B)**

**Research Thesis**

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.

EXSS5008 (22509) Sports Nutrition

*Semester 2 - 3 credit points*

This unit provides students with background knowledge on nutrition as applied to sports performance. Special emphasis will be 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" will also be considered.

# 11 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.

Table 11.1 Graduate Certificate of Health Science (Casemix)

Course			Sem 1	Sem 2
Code	Mode of Offer			
0914	Part-time; minimum 2 semesters			
Credit Points		24		
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
<i>Stage Total</i>		24	12	12

## 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 11.1.

**Table 11.2 Graduate Certificate of Health Science (Clinical Data Management)**

Course

Code Mode of Offer

0917 Off-Campus; Part-time, minimum 2 semesters

Credit Points 24

			Sem 1	Sem2
<i>Year 1</i>				
HIMT5023	(09505X)	Fundamentals of Medicine and Medical Terminology	6	
HIMT5027	(09509X)	Introduction to Epidemiology	6	
HIMT5025	(09507X)	Clinical Data Management and Clinical Trials		6
HIMT5026	(09508X)	Database Systems		6
		<i>Stage Total</i>	24	12
			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, wordprocessing, 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 11.2.

Table 11.3 Graduate Diploma of Health Science (Clinical Data Management)

**Course**

**Code Mode of Offer**

0917 Off-Campus; Part-time, minimum 2 years

Credit Points 48

			Sem 1	Sem 2
<b>Year 1</b>				
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 System		6
<b>Stage Total</b>			<b>24</b>	<b>12</b>
<b>Year 2</b>				
HIMT5037	(09519)	Management	6	
HIMT5038	(09520)	Statistics for Clinical Research	6	
HIMT5039	(09521)	Advanced Clinical Data Management		6
HIMT5040	(09522)	Health Care Evaluation		6
<b>Stage Total</b>			<b>24</b>	<b>12</b>

\* this course will be commencing in 2000

**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 11.3.

**Table 11.4 Graduate Diploma of Health Science (Health Information Management)**

*Course*

*Code Mode of Offer*

0906 *Full-time; 1 year*

0918 *Part-time; minimum 2 years, maximum 3 years*

**Full-time Mode**

*Year 1*

HIMT5032	(09514)	Human Resource Management	2	
HIMT5005	(09425)	Introduction to Data Processing and Microcomputers	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	
HIMT5036	(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 <sup>1</sup>
HIMT5041	(09523)	Introduction to Management Principles		2
HIMT5018	(09470)	Health Care Evaluation		2
BEHS5133	(105A4)	Research Methods I: Design	2	
<i>Stage Total</i>			48	27

**Part-time Mode**

*Year 1*

			<b>Sem 1</b>	<b>Sem 2</b>
HIMT5005	(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 <sup>1</sup>
<i>Stage Total</i>			28	15

*Year 2*

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
BEHS5133	(105A4)	Research Methods I: Design	2	
<i>Stage Total</i>			20	12

**Notes**

<sup>1</sup> 2 weeks inter-semester placement

2 weeks post-semester placement

## 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 pre-requisite, this pre-requisite unit must be passed prior to enrolment in any other units for which it is a pre-requisite.
- 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 Co-ordinator.

### Admission Requirements

In order to qualify for admission to the degree, 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 11.4.

Table 11.5 Master of Applied Science (Health Information Management) by Research

Course

Code Mode of Offer

0911 Special Program (for master's qualifying students)

0909 Full-time; minimum 2 years

0910 Part-time; minimum 3 years

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
HIMT6008	(09602)	Research Proposal	6	
BEHS5103	(10571)	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	
BEHS5103	(10571)	Intermediate Statistics		6
HIMT6012	(09606)	Research Thesis		
<i>Year 2 (and subsequent years)</i>				
HIMT6013	(09607)	Research Thesis	-	
HIMT6012	(09606)	Research Thesis		.

**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 11.5.

## Unit Descriptions

### **HIMT5039 (09521) Advanced Clinical Data Management**

*Semester 2 - 6 credit points*

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.

### **HIMT5021 (09503) Casemix Funding and Financial Management**

*Semester 2 - 6 credit points*

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.

### **HIMT5044 (09438) Casemix Measurement Systems**

*Semester 2 - 2 credit points*

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.

### **HIMT5025 (09507X) Clinical Data Management and Clinical Trials**

*Semester 2 - 6 credit points*

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.

### **HIMT5026 (09508X) Database Systems**

*Semester 2 - 6 credit points*

This unit covers the study of relational database design, using SQL, dBase 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 lifecycle, data flow diagrams, data dictionaries, cost/benefit analysis, scheduling (PERT and CPM) techniques, system testing and conversion, and data security.

### **HIMT5045 (09439) Epidemiology**

*Semester 2 - 2 credit points*

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.

### **HIMT5033 (09515) Financial Management in Health Care Facilities**

*Semester 1 - 2 credit points*

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.

### **HIMT5023 (09505X) Fundamentals of Medicine and Medical Terminology**

*Semester 1 - 6 credit points*

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.

**HIMT5013 (09446) Fundamentals of Medicine and Medical Terminology I**

*Semester 1 - 4 credit points*

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).

**HIMT5014 (09447) Fundamentals of Medicine and Medical Terminology II**

*Semester 2 - 4 credit points*

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.

**HIMT5020 (09502) Generating and Using Casemix Information**

*Semester 1-6 credit points*

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.

**HIMT5018(09470) Health Care Evaluation**

*Semester 2 - 2 credit points*

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 evidenced 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.

**HIMT5040 (09522) Health Care Evaluation**

*Semester 2 - 6 credit points*

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.

**HIMT5035 (09517) Health Care Systems**

*Semester 1 - 2 credit points*

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.

**HIMT5028 (09510) Health Informatics**

*Semester 1-2 credit points*

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.

**HIMT5032 (09514) Human Resource Management**

*Semester 1-2 credit points*

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.

**HIMT5022 (09504) Implementing Casemix Systems**

*Semester 2 - 6 credit points*

The purpose of this unit is to give students the skills to implement casemix based systems and apply casemix concepts to common management problems. The practical problems of implementing casemix are addressed. These include: incorporating casemix information into the existing management information system; integrating casemix approaches with the existing utilisation review and quality assurance programs; educating staff about casemix issues; using casemix data to plan healthcare services; and analysing the current organisational structure to identify barriers to the use of casemix data to better manage the facility. The unit builds on the skills developed during the unit Generating and Using Casemix Information by using the same practical information based approaches.

**HIMT5034 (09516) Information Systems Management I**

*Semester 1-3 credit points*

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.

**HIMT5036 (09518) Information Systems  
Management II**

*Semester 2 - 2 credit points*

In this unit students extend their study of health information systems to health records used outside hospitals - both in ambulatory and other institutional care settings. Records used in community health, primary care, general practice, domiciliary care, nursing homes and mental health care are among the systems examined. Students also complete modules dealing with data forms and screen design; the collection and computation of health care statistics; concepts and practices used in quality assessment and control in medical record and health information systems. Tutorials concentrate on professional issues through discussion of current literature in the field of health information management.

**BEHS5103 (10571) Intermediate Statistics**

*Semester 1-6 credit points*

*Pre-requisite Research Methods I and II or equivalent*

In this unit, students 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.

**HIMT5029 (09511) International Disease**

**Classification Systems A**

*Semester 1 • 2 credit points*

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.

**HIMT5030 (09512) International Disease**

**Classification Systems B**

*Semester 2 - 2 credit points*

This unit builds on unit matter studied in HIMT5021 (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.

**HIMT5019 (09501) Introduction to Casemix**

*Semester 1 - 6 credit points*

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.

**HIMT5005 (09425) Introduction to Data Processing  
and Microcomputers**

*Semester 1 - 2 credit points*

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.

**HIMT5027 (09509X) Introduction to Epidemiology**

*Semester 1 - 6 credit points*

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.

**HIMT5041 (09523) Introduction to Management  
Principles**

*Semester 2 - 2 credit points*

This unit is designed to introduce post graduate 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.

**HIMT5012 (09445) Introduction to Programming and  
Database Design**

*Semester 2 - 4 credit points*

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).

**HIMT5031 (09513) Law and Health**

*Semester 2 - 3 credit points*

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.

**HIMT5037 (09519) Management***Semester 1-6 credit points*

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.

**HIMT5015 (09448) Professional Experience***Inter-semester - 2 credit points**Post-semester 2 - 2 credit points*

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.

**BEHS5133 (105A4) Research Methods I: Design***Semester 1 - 2 credit points*

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.

**HIMT6007 (09467) Research Proposal***Semester 1 - 3 units**Semester 2 - 3 units*

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.

**HIMT6010/HIMT6013 (09604/09607) Research Thesis****HIMT6009/HIMT6011/HIMT6012 (09603/09605/09606)****Research Thesis***HIMT6010/HIMT6013 (09604/09607) Semester 1;**HIMT6009/HIMT6011/HIMT6012 (09603/09605/09606) Semester 2**Pre-requisite Research Proposal (09467)*

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

**HIMT9001 (09900) Special Program-Health****Information Management**

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

**HIMT5038 (09520) Statistics for Clinical Research***Semester 1 - 6 credit points*

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.

**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 (N.S.W.).

**1999 Clinical Practice Dates****Graduate Diploma of Health Science (Health Information Management)**

June 28 - July 9 (2 weeks)

December 6 - December 17 (2 weeks)

**Uniforms**

Uniforms and identification badges must be worn by all students during practical placements.

# 12 School of Medical Radiation Technology

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. Post-graduate study is now available by research and course work in all fields of Medical Radiation Sciences, some 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.

**Table 12.1 Graduate Diploma of Health Science (Medical Sonography)**

Course

Code Mode of Offer

1832 Off-campus; 2 years

Credit Points 48

		Sem 1	Sem2
<i>Year 1</i>			
BIOS5047	(11454X) Biological Sciences	4	
MRTY5021	(18401X) Physics and Instrumentation I	4	
MRTY5022	(18402X) Sonography I		4
MRTY5023	(18403X) Sonography II		4
MRTY5001	(18404X) Clinical Practice I <sup>1</sup>		6
<i>Stage Total</i>		22	14
<i>Year 2</i>			
MRTY5019	(18514X) Physics and Instrumentation II	4	
MRTY5002	(18406X) Sonography III	4	
MRTY5003	(18407X) Clinical Practice II <sup>1</sup>	6	
MRTY5005	(18409X) Sonography IV		4
MRTY5006	(18410X) Professional Issues		2
MRTY5007	(18411X) Clinical Practice III <sup>1</sup>		6
<i>Stage Total</i>		26	12

**Note**

The order of clinical practice units may vary, according to the individual student's requirements. The units shown here are for Faculty planning purposes only. A condition of the course is that each student is engaged in sonography for at least 18 hours per week throughout the whole course.

**Graduate Diploma of Health Science (Medical Sonography)**

This course provides for the development of knowledge and skills relevant to the professional practice of medical sonography. The course covers physical principles and instrumentation, professional issues encountered in the field of sonography and a wide variety of the applications of general ultrasonography. The duration of the course is two years and it is offered in off-campus mode with on campus blocks.

**Admission Requirements**

In order to qualify for admission to this course, applicants should have:

- i) A diploma or degree in Medical Radiation Sciences, OR
- ii) A degree or diploma in a relevant area (eg. nursing). Such applicants may be advised to make up any deficiencies in identified areas of assumed knowledge (eg. physics, medical imaging modalities),

- OR
  - iii) An approved professional diploma, associate diploma or certificate in nuclear medicine sciences, ultrasound or radiography plus completion of a designated qualifying program, OR
  - iv) Some other form of qualification and experience which is considered by the Head of School to be of sufficient merit to warrant their admission to the graduate diploma course. Such applicants may be required to complete a designated qualifying program prior to admission.
- AND
- At least one year of relevant work experience, (in the field of their undergraduate studies);
- AND
- Be working in the field of medical sonography for the duration of the course.

**Course Outline**

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 12.1.

## Unit Descriptions

### **BIOS5047 (11454X) Biological Sciences**

*Semester 1 - 4 credit points*

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.

### **MRTY5001 (18404X) Clinical Practice I**

*Semester 1 or 2-6 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 I. The order of Clinical Practice units may vary according to the individual student's requirements.

### **MRTY5003 (18407X) Clinical Practice II**

*Semester 1-6 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 II. The order of Clinical Practice units may vary according to the individual student's requirements.

### **MRTY5007 (18411X) Clinical Practice III**

*Semester 2 - 6 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 III.

### **MRTY5021 (18401X) Physics and Instrumentation I**

*Semester 1 - 4 credit points*

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.

### **MRTY5019 (18514X) Physics and Instrumentation II**

*Semester 1 - 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, the principles of image formation and processing as applied in ultrasound instrumentation.

### **MRTY5006 (18410X) Professional Issues**

*Semester 2 - 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 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.

### **MRTY5022 (18402X) Sonography I**

*Semester 2-4 credit points*

This unit examines in detail sonography of soft tissues in the upper abdomen.

### **MRTY5023 (18403X) Sonography II**

*Semester 2 - 4 credit points*

This unit examines in detail sonography of soft tissues in the male and female pelvis and in obstetrics.

### **MRTY5002 (18406X) Sonography III**

*Semester 1 - 4 credit points*

This unit examines in detail sonography applied to superficial organs and structures.

### **MRTY5005 (18409X) Sonography IV**

*Semester 2 - 4 credit points*

This unit examines selected topics in general sonography not previously studied. Areas include intracavity, interoperative and basic vascular application.

## Table 12.2 Graduate Certificate of Health Science (Medical Radiation Sciences)

Course

Code Mode of Offer

1834 Off-campus; 2 semesters

Credit Points 24

### Course Structure

This award will be granted upon completion of a minimum of 24 credit points as outlined below.

A minimum of 12 credit points must be completed from Medical Radiation Sciences Elective units of study i.e. (MRTYxxxx/18xxx) on page 12-7. The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Appendix 1 - Electives).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

		Sem 1	Sem 2
<i>Year 1</i>			
	Elective	4	
	Elective	4	
	Elective	4	
	Elective		4
	Elective		4
	Elective		4
<i>Stage Total</i>		24	12

### 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 creditpoints. There is no requirement to complete a coherent major area. Up to 4 creditpoints 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:

- i) Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- ii) Write coherently and logically
- iii) Translate their learning to the workplace and take a place as a senior practitioner
- iii) Apply informed critical thinking to their professional activities.

### Admission Requirements

- i) Diploma in the medical radiation science field (specifically radiography, nuclear medicine sciences 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 subjects that may be required by the Head of School.

**Table 12.3 Graduate Diploma of Health Science (Medical Radiation Sciences)**

*Course*

*Code Mode of Offer*

1835 Off-campus; 4 semesters

*Credit Points 48*

*Course Structure*

This award will be granted upon completion of a minimum of 48 credit points as outlined below.

A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences Elective units of study i.e. MRTYxxxx/18xxx) on page 12-7. The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Appendix 1 - Electives).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

		Sem 1	Sem 2
<i>Year 1</i>			
	Elective	4	
	Elective	4	
	Elective	4	
	Elective		4
	Elective		4
	Elective		4
	<i>Stage Total</i>	24	12
<i>Year 2</i>			
	MRTY5024 (18515X) Current Issues in Medical Radiations		4
	Elective	4	
	Elective	4	
	Elective	4	
	Elective		4
	Elective		4
	<i>Stage Total</i>	24	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 48 credit points. To qualify for a Certificate of Specialisation there should be a minimum of 24 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:

- i) Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- ii) Write coherently and logically
- iii) Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- iv) Translate their learning to the workplace and take a place as a senior practitioner
- v) 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
- 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 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.

**Table 12.4 Master of Health Science (Medical Radiation Sciences) by Coursework**

### Course

**Code**      **Mode of Offer**  
1836      *Off-campus; 6 semesters*  
**Credit Points**      72

### Course Structure

This award will be granted upon completion of a minimum of 72 credit points as outlined below.

A minimum of 36 creditpoints (inclusive of core subjects) must be completed from Medical Radiation Sciences Elective units of study i.e. MRTYxxxx/18xxx) on page 12-7. The remaining Credit Points may be completed from other Schools of the Faculty of Health Sciences (see Appendix 1 - Electives).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

		<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>			
	Elective	<b>4</b>	-
	Elective	<b>4</b>	-
	Elective	<b>4</b>	-
	Elective	-	<b>4</b>
	Elective	-	<b>4</b>
	Elective	-	<b>4</b>
	<i>Stage Total</i>	<i>24</i>	<i>12</i>
<i>Year 2</i>			
	MRTY5024 (18515X) Current Issues in Medical Radiation	-	<b>4</b>
	Elective	<b>4</b>	-
	Elective	<b>4</b>	-
	Elective	<b>4</b>	-
	Elective	-	<b>4</b>
	Elective	-	<b>4</b>
	<i>Stage Total</i>	<i>24</i>	<i>12</i>
<i>Year 3</i>			
	MRTY5026 (18516X) Dissertation preparation	<b>6</b>	-
	MRTY5027 (18517X) Dissertation	-	<b>8</b>
	COMH5128 (08562X) History and Philosophy of Scientific Methodology	<b>6</b>	-
	Elective	-	<b>4</b>
	<i>Stage Total</i>	<i>24</i>	<i>12</i>

## 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 six semester (minimum) off-campus course comprising 72 credit points. To qualify for a Certificate of Specialisation issued by the School of Medical Radiation Technology there should be a minimum of 24 credit points from a major area. Up to 12 credit points may be gained by cross-institutional enrolment in approved units of study. Fourteen credit points in the final semester of the Masters course will be devoted to the development and writing of a dissertation or minor thesis. The dissertation will consist of a scholarly essay on a topic of interest to the student from the student's major field. Where the minor thesis option is chosen, the student may carry out a small pilot study aiming towards the development of a research proposal for a future Masters (Research) or PhD project.

Holders of the Graduate Diploma of Health Science (Medical Radiation Sciences) will receive credit transfer for 48 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
- ii) Investigate in detail a topic of interest
- iii) Write coherently and logically
- iv) Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- v) Translate their learning to the workplace and take a place as a senior practitioner
- vi) 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
- 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 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).

## Medical Radiation Sciences Electives

### March Semester, 1999

(MRTY5029) (18519X)	Advanced Multiplanar Anatomy
(MRTY5028) (18518X)	Advanced Image Processing
(MRTY5031) (18521X)	Applied SPECT
(MRTY5033) (18523X)	Breast Imaging I
(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
(MRTY5052) (18542X)	MR Applications I
(MRTY5060) (18550X)	Radiation Therapy Treatment Planning Systems
(MRTY5062) (18552X)	Specialised Skeletal Scintigraphy
(MRTY5064) (18554X)	Stabilisation and Positioning

### August Semester, 1999

(MRTY5030) (18520X)	Advanced Radiographic Pathology
(MRTY5034) (18524X)	Breast Imaging II
(MRTY5037) (18527X)	Clinical Pharmacology for Allied Health Practitioners
(MRTY5038) (18528X)	Diagnostic Imaging for Radiation Therapy
(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

(MRTY5049)	(18539X)	Isotope Production
(MRTY5050)	(18540X)	Medical Radiation Department Design
(MRTY5053)	(18543X)	MR Applications II
(MRTY5051)	(18541X)	MR Theory
(MRTY5058)	(18548X)	Quality Management in Medical Radiations
(MRTY5066)	(18556X)	Theory of Radiation Therapy Planning Calculations
(MRTY5063)	(18553X)	511 Kev Imaging

### March Semester, 2000

(MRTY5028)	(18518X)	Advanced Image Processing
(MRTY5029)	(18519X)	Advanced Multiplanar Anatomy
(MRTY5033)	(18523X)	Breast Imaging I
(MRTY5036)	(18526X)	Chemistry for Radiopharmacy
(MRTY5038)	(18528X)	Diagnostic Imaging for Radiation Therapy
(MRTY5039)	(18529X)	CT Applications
(MRTY5040)	(18530X)	CT Practice I
(MRTY5043)	(18533X)	Directed Studies A
(MRTY5044)	(18534X)	Directed Studies B
(MRTY5045)	(18535X)	Directed Studies C
(MRTY5055)	(18545X)	Nuclear Medicine and the Brain
(MRTY5056)	(18546X)	Patient/Practitioner Communication
(MRTY5064)	(18544X)	Stabilisation and Positioning

### August Semester, 2000

(MRTY5030)	(18520X)	Advanced Radiographic Pathology
(MRTY5035)	(18525X)	Breast Ultrasound
(MRTY5037)	(18527X)	Clinical Pharmacology for Allied Health Practitioners
(MRTY5042)	(18532X)	Digital Communications in Medical Radiations
(MRTY5033)	(18533X)	Directed Studies A
(MRTY5034)	(18534X)	Directed Studies B
(MRTY5045)	(18535X)	Directed Studies C
(MRTY5046)	(18536X)	Environmental Radiobiology
(MRTY5051)	(18541X)	MR Theory
(MRTY5054)	(18544X)	Nuclear Cardiology
(MRTY5057)	(18547X)	Prevention and Care of Radiation Injury
(MRTY5060)	(18550X)	Radiation Therapy Treatment Planning Systems
(MRTY5061)	(18551X)	Radiobiology in Radiation Therapy

### March 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
(MRTY5033)	(18533X)	Directed Studies A
(MRTY5034)	(18534X)	Directed Studies B
(MRTY5035)	(18535X)	Directed Studies C
(MRTY5047)	(18537X)	History of Medical Radiations
(MRTY5052)	(18542X)	MR Applications I
(MRTY5058)	(18548X)	Quality Management in Medical Radiations
(MRTY5059)	(18549X)	Radiation Safety
(MRTY5064)	(18554X)	Stabilisation and Positioning
(MRTY5062)	(18552X)	Specialised Skeletal Scintigraphy

## August Semester, 2001

(MRTY5030)	(18520X)	Advanced Radiographic Pathology
(MRTY5034)	(18524X)	Breast Imaging II
(MRTY5037)	(18527X)	Clinical Pharmacology for Affiliated Health Practitioners
(MRTY5041)	(18531X)	CT Practice <i>E</i>
(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
(MRTY5056)	(18546X)	MR Applications II
(MRTY5051)	(18541X)	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

## Unit Descriptions

### Medical Radiation Sciences Core Units

#### **MRTY5024 (18515X) Current Issues in Medical Radiations**

*Semester 2 - 4 credit points*

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.

#### **MRTY5026 (18516X) Dissertation Preparation**

*Semester 1 - 6 credit points*

In this unit of study the student is lead through the initial review of literature and selection of a topic for investigation in the subject MRTY5027(18517X) Dissertation. There is an emphasis on critical analysis of the literature, logical discourse and writing skills. The unit will be presented in distance education format with internet discussion groups forming a major part of the communication structure.

#### **MRTY5027(18517X) Dissertation**

*Semester 2 - 8 credit points*

*Pre-requisite: (MRTY5026) Dissertation preparation*

This unit provides the student with the opportunity to undertake a supervised non-research work in an area of interest related to the medical radiation sciences. 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 a pilot study for a future Masters (Research) or PhD project. The majority of the student's time will be spent in independent learning or in consultation with the supervisor.

#### **COMH5128 (08562X) History and Philosophy of Scientific Methodology**

*Semester 1 - 6 credit points*

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.

### Medical Radiation Sciences Elective Units of Study

#### **MRTY5028 (18518X) Advanced Image Processing**

*Semester 1 - 4 credit points*

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.

**MRTY5029 (18519X) Advanced Multiplanar Anatomy**  
*Semester 1-4 credit points*

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.

**MRTY5030 (18520X) Advanced Radiographic Pathology**

*Semester 2 - 4 credit points*

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 cardiac (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.

**MRTY5031 (18521X) Applied SPECT**

*Semester 1 - 4 credit points*

This subject 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.

**MRTY5032 (18522X) Brachytherapy**

*Semester 1-4 credit points*

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 work-place.

**MRTY5033 (18523X) Breast Imaging I**

*Semester 1 - 4 credit points*

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.

**MRTY5034 (18524X) Breast imaging II**

*Semester 2 - 4 credit points*

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.

**MRTY5035 (18525X) Breast Ultrasound**

*Semester 2 - 4 credit points*

While this unit of study is not designed to produce a qualified breast sonographer, it is a valuable adjunct to the mammography subjects as a complementary imaging method. The fundamental physical theory of ultrasound and its applications to ultrasound of the breast will be examined. Breast ultrasound will be delivered in distance education mode. Film reading packs will be included in the teaching materials. There will be an optional residential workshop for practitioners who do not have access to ultrasound equipment in the workplace.

**MRTY5036 (18526X) Chemistry for Radiopharmacy**

*Semester 1 - 4 credit points*

This subject 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.

**MRTY5037 (18527X) Clinical Pharmacology for**

**Allied Health Practitioners**

*Semester 2 - 4 credit points*

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.

**MRTY5038 (18528X) Diagnostic Imaging for Radiation Therapy**

*Semester 1-4 credit points*

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.

**MRTY5039 (18529X) CT Applications**

*Semester 1 - 4 credit points*

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.

**MRTY5040 (18530X) CT Practice I**

*Semester 1-4 credit points*

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, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice I is offered in distance education mode with Internet support. There will be no residential. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

**MRTY5041 (18531X) CT Practice II**

*Semester 2 - 4 credit points*

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.

**MRTY5042 (18532X) Digital Communications in Medical Radiation Sciences**

*Semester 2 - 4 credit points*

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.

**MRTY5043 (18533X) Directed Studies A**

*Semester 1 or 2-4 credit points*

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.

**MRTY5044 (18534X) Directed Studies B**

*Semester 1 or 2 -4 credit points*

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.

**MRTY5045 (18535X) Directed Studies C***Semester 1 or 2-4 credit points*

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.

**MRTY5046 (18536X) Environmental Radiobiology***Semester 2 - 4 credit points*

This subject is designed to introduce concepts involved in the study of the radiobiology of radioactive environmental pollutants. Examples studied will include the methods used in the investigation of a radioactive pollutant in a biological system; the following of the pollutant and the significance of radioactive levels as the pollutant moves up the food chain and models for anticipating impact of radioactive environmental contamination on plant, animal and human populations. The subject will be offered in distance education mode supported by on-line discussion groups.

**MRTY5047 (18537X) History of Medical Radiations***Semester 1 - 4 credit points*

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.

**MRTY5048 (18538X) Image Interpretation***4 credit points*

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.

**MRTY5049 (18539X) Isotope Production***Semester 2 - 4 credit points*

The aim of this course 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.

**MRTY5050 (18540X) Medical Radiation Department Design***Semester 2 - 4 credit points*

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.

**MRTY5051 (18541X) MR Theory***Semester 2 - 4 credit points*

This subject 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. A residential workshop can be negotiated.

**MRTY5052 (18542X) MR Applications I***Semester 1 - 4 credit points*

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.

**MRTY5053 (18543X) MR Applications II***Semester 2 - 4 credit points*

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.

**MRTY5054 (18544X) Nuclear Cardiology***Semester 2 - 4 credit points*

This subject 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.

**MRTY5055 (18545X) Nuclear Medicine and the Brain***Semester 1-4 credit points*

Nuclear medicine is now seen by neurologists, psychiatrists and neuropsychologists as a primary clinical and research tool for examining the brain in its diseased state and in normal subjects. This interdisciplinary interest presents nuclear medicine with the opportunity to expand its role. The subject "Nuclear Medicine and the Brain" aims to enhance the ability of nuclear medicine practitioners to provide a best practice approach to studies of the brain. The subject is directed at increasing knowledge and understanding of these related disciplines with a focus on their current and future application to nuclear medicine. The subject will also focus on specific issues such as paradigm design, neuroactivation techniques, patient interaction and image co-registration. This subject will be offered in distance education mode supported by on-line discussion groups.

**MRTY5056 (18546X) Patient / Practitioner Communication***Semester 1 - 4 credit points*

This subject 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.

**MRTY5057 (18547X) Prevention and Care of Radiation Injury***Semester 2 - 4 credit points*

This subject 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.

**MRTY5058 (18548X) Quality Management in Medical Radiations***Semester 2 - 4 credit points*

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.

**MRTY5059 (18549X) Radiation Safety***Semester 1-4 credit points*

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.

**MRTY5060 (18550X) Radiation Therapy Treatment Planning Systems***Semester 1 - 4 credit points*

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.

**MRTY5061 (18551X) Radiobiology in Radiation Therapy**

*Semester 2 - 4 credit points*

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.

**MRTY5062 (18552X) Specialised Skeletal Scintigraphy**

*Semester 1 - 4 credit points*

This subject 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 may be offered in distance education mode, with full Internet support. An optional residential workshop will be available mid-semester at no extra cost. The workshop will also run as a stand alone continuing education program for practitioners not enrolled in this subject.

**MRTY5063(18553X) 511 KEV Imaging**

*Semester 2 - 4 credit points*

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 also be examined. This subject will be presented in a series of distant education modules that will be supported by on-line internet discussion groups. Applications of FDG imaging within the nuclear medicine department will be included.

**MRTY5064 (18554X) Stabilisation and Positioning**

*Semester 1-4 credit points*

This subject 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.

**MRTY5065 (18555X) Tendering and Selection of Medical Radiation Equipment**

*4 credit points*

This unit of study provides students with an understanding of equipment selection and the ongoing requirements of quality assurance programmes. The needs assessment, equipment acquisition, commissioning and methods of implementing an ongoing QA programme will be presented. The unit will be presented in distance education format.

**MRTY5066 (18556X) Theory of Radiation Therapy Planning Calculations**

*Semester 2 - 4 credit points*

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.

## Table 12.5 Master of Applied Science (Medical Radiation Technology) by Research

The table below refers to the standard program for full-time pass entry students. This program may alter depending on the entry level of the student.

### 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

		Sem 1	Sem 2
<i>Year 1</i>			
	Research Elective <sup>1</sup>	6	
MRTY6004	(18503A) Research Thesis		
MRTY6005	(18503B) Research Thesis		
<i>Year 2 (and subsequent years)</i>			
MRTY6006	(18503C) Research Thesis		
MRTY6007	(18503D) Research Thesis		-

### Part-time Mode

<i>Year 1</i>			
	Research Elective <sup>1</sup>	6	
MRTY6008	(18503E) Research Thesis		
MRTY6009	(18503F) Research Thesis		
<i>Year 2 (and subsequent years)</i>			
MRTY6010	(18503G) Research Thesis		
MRTY6009	(18503F) Research Thesis		-

### Notes

<sup>1</sup> 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 Appendix 1.

## Master of Applied Science (Medical Radiation Technology) by Research

The Master of Applied Science (Medical Radiation Technology) 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 sections (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 Technology) by Research is presented in Table 12.5.

## Unit Descriptions

### Elective Research Units

*Total - 6 credit points*

For elective unit descriptions see Appendix 1.

#### **MRTY6004/MRTY6006/MRTY6008/MRTY6010**

**(18503A/18503C/18503E/18503G) Research Thesis**

#### **MRTY6005/MRTY6007/MRTY6009**

**(18503B/18503D/18503F) Research Thesis**

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

# 13 School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences currently offers three undergraduate degree programs: Bachelor of Applied Science (Occupational Therapy), Bachelor of Applied Science (Leisure and Health) and Bachelor of Health Science (Occupational Therapy). 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 N.S.W. was the responsibility of the N.S.W. Association of Occupational Therapists. The first training program was 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 increasing diversity of the curriculum and thus 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 includes PhD level studies, a research Master's degree and an articulated coursework program which culminates in a Master's degree. The graduate program includes Graduate Certificates which focus on specialty areas of practice in occupational therapy.

The School introduced the two year Master of Occupational Therapy in 1998. This program is an alternative professional pathway for people holding degrees in other areas of study and an alternative to the undergraduate occupational therapy degree. This professional Master's degree is the first of its kind in the southern hemisphere.

Further information about the School's programs may be obtained from the School on 9351 9386.

## 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. It contains several clinical specialty track options as well as a no-specialty option. Work completed in any graduate certificate track may be credited against the requirements of the master's by coursework offered by the School. The School will decide which tracks are available in any one year.

## Admission Requirements

To qualify for admission to this Graduate Certificate course conducted by the School of Occupation and Leisure Sciences, applicants shall:

- (a) Possess an award of Bachelor of Applied Science (Occupational Therapy) from the University of Sydney;  
OR
- (b) Possess such qualifications as are deemed equivalent to (a) and/or (b);  
OR
- (c) Possess an award of Diploma of Occupational Therapy from a recognised educational body and other evidence of general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue postgraduate studies;  
and
- (d) Have the equivalent of a minimum of six months recent, full-time experience in occupational therapy management of clients. For admission to a specialty track, this recent experience must be in an area which is consistent with the specialist track.

## Course Outline

The Course Outlines for the Graduate Certificate of Health Science (Occupational Therapy) are presented in Table 13.1.

**Table 13.1 Graduate Certificate of Health Science (Occupational Therapy)****Course**

**Code**      *Mode of Offer*  
 1525      *Part-time -1 year*  
**Credit Points**    24

**Specialty Track: No Specialty**

The graduate certificate course will enhance the student's knowledge, skills and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational role and task performance has been compromised. The content of the Graduate Certificate of Health Science (Occupational Therapy), no specialty, consists of those units of study from the specialty tracks which are available at the time of enrolment and selected by the student.

		Sem 1	Sem 2	
<i>Year 1</i>				
	Core unit of study			6
	Core unit of study			6
	Core unit of study	6		
	Elective <sup>1</sup>	6	or	6
	<i>Stage Total</i>	<i>24</i>	<i>12</i>	<i>12</i>

**Notes**

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2.

**Specialty Track      Developmental Disabilities and Paediatrics**

This specialty track within the graduate certificate course will enhance the student's knowledge, skills, and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational role and task performance has been compromised by developmental disability or during the developmental period.

		Sem 1	Sem 2	
<i>Year 1</i>				
OCCP5040	(15472) Occupational Therapy Assessment			6
OCCP5041	(15473) Systematic Instruction			6
OCCP5047	(15484) Occupational Performance and the Inclusive Community	6		
	Elective <sup>1</sup>	6	or	6
	<i>Stage Total</i>	<i>24</i>	<i>12</i>	<i>12</i>

**Notes**

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2. Electives include:

- OCCP5025 (15451) Occupational Therapy Clinical Specialty
- OCCP5048 (15485) Occupational Performance and People with High Support Needs
- OCCP5046 (15478) Prescription, Evaluation and Modification of Seating for Occupational Performance
- OCCP5042 (15474) Systematic Instruction: Physical Guidance
- OCCP5043 (15475) Upper Limb Orthotic Systems

## **OCCP5040 (15472) Occupational Therapy**

### **Assessment**

#### *Semester 2 - 6 credit points*

This unit of study examines formal occupational therapy assessments that have been developed for use with people with a developmental disability and also assessment tools which have been developed for use with children whose occupational performance has been compromised. These assessments include both norm referenced tests and criterion referenced tests in current use as well as those being developed. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use in assessing the occupational performance and component performance of people who have a developmental disability and also children whose development of occupational roles has been compromised. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice during tutorial sessions as well as making a critical evaluation of the use of the tool in their clinical practice. Learning experiences include seminars, tutorials, and videotaped analysis of students assessing people with the selected assessment tool.

## **OCCP5041 (15473) Systematic Instruction**

#### *Semester 2 - 6 credit points*

This unit of study will extend systematic instruction techniques covered in the occupational therapy undergraduate course. Students will examine the use of systematic instruction to promote performance in self maintenance, productivity, school, play and leisure areas. Students will examine the use of instructional techniques and learn to apply various strategies such as using cues and prompt systems; deciding how to choose reinforcement to promote the learning of occupational tasks; training for complex stimulus discrimination in real world environments; and managing contingencies to reduce artificial reinforcement in favour of naturally occurring reinforcement. Students will identify procedures for promoting maintenance and generalisation. Students will have the opportunity to develop instructional strategies to support people for whom they are currently providing occupational therapy services. Learning experiences include seminars, problem solving around specific case studies and videotaped analysis of the student's skill in applying instructional strategies within their workplace.

## **OCCP5047 (15484) Occupational Performance and the Inclusive Community**

#### *Semester 1 - 6 credit points*

In this unit of study students have the opportunity to examine and critically analyse a range of models and philosophies of service provision in the areas of developmental disability and paediatrics from the point of view of their impact on occupational performance. This will include the examination of concepts such as social role valorisation, integration, inclusion, the least restrictive alternative, client centred and family centred approaches to intervention, categorical and non-categorical models of service provision, supported and sheltered employment, transdisciplinary and multidisciplinary models of service delivery, legislative and standards based models of service reform and implementation. Learning experiences include seminars, case study presentations and problem solving tutorials.

## **Elective Unit Descriptions**

## **OCCP5025 (15451) Occupational Therapy Clinical**

### **Specialty**

#### *Semester 1 or 2 - 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 student's 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.

## **OCCP5048 (15485) Occupational Performance and People with High Support Needs**

#### *Semester 1 - 6 credit points*

This unit of study explores strategies which can be used by occupational therapists to identify and affirm the occupational roles of people with high support needs and strategies to promote and fully support their fulfillment of those roles and their performance of human occupations. This unit of study will also examine assessment and intervention strategies to promote a person's occupational performance where that is affected by the presence of challenging behaviours. Learning experiences include seminars, case presentations, problem solving exercises and videotaped analysis of students' interactions with people for whom they are currently providing occupational therapy services.

## **OCCP5046 (15478) Prescription, Evaluation and Modification of Seating for Occupational Performance**

#### *Semester 1 or 2 - 6 credit points*

This unit of study examines the range of seating equipment available. Students will extend their skill and knowledge in the prescription, evaluation and modification of equipment that promotes performance of occupational tasks in a sitting position. Students will integrate principles of ergonomics, biomechanics and design with principles of occupational performance to determine appropriate seating options for clients whose physical function is compromised by impaired brain function. Learning experiences will include seminars, case presentations and videotaped assessments of client seating.

**OCCP5042 (15474) Systematic Instruction Physical****Guidance***Semester 1 or 2 - 6 credit points*

This unit of study examines the use of various physical guidance models to improve performance of occupational tasks by people with a developmental disability. Each model will be examined relative to its theoretical base, assumptions and application to the management of developmental disability. Students will select one specific model and develop skill in using the model to enable people to initiate steps in performing occupational tasks, improve the quality of performance of occupational tasks, improve the timing of performance of occupational tasks and to appropriately terminate task performance. Learning experiences include seminars, problem solving around case studies and videotape analysis of student's skill in physically guiding performance of occupational tasks.

**OCCP5043 (15475) Upper Limb Orthotic Systems***Semester 1 - 6 credit points*

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.

**Specialty Track Environmental Modification and Technology**

This specialty track within the graduate certificate course will enhance the student's knowledge, skills and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational role and task performance has been compromised by the physical environment they operate within.

		Sem 1	Sem 2
<i>Year 1</i>			
OCCP5051	(15488X) Environmental Measurement		6
OCCP5053	(15490) Foundations for Modifications in Public and Private Buildings		6
OCCP5054	(15491) Communication with Clients, Builders, Architects and Tradesmen	6	
	Elective <sup>1</sup>	6	or 6
<i>Stage Total</i>		24	12

**Notes**

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2. Electives include:

- OCCP5025 (15451) Occupational Therapy Clinical Specialty
- OCCP5052 (15489) Environmental Theory
- OCCP5046 (15478) Prescription, Evaluation and Equipment Modification for Occupational Performance
- OCCP5055 (15492) Occupational Therapy Drafting Using CAD Packages
- OCCP5056 (15493) Establishing and Contributing to Community Access Policies

**OCCP5051 (15488X) Environmental Measurement***Semester 2 - 6 credit points*

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, lightmeters, 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.

**OCCP5052 (15489) Environmental Theory***Semester 1 or 2 - 6 credit points*

This unit of study will examine pertinent theories of person environmental interaction. These theories relate to design, psychology, sociology, anthropology and occupational therapy. Some theories to be examined will be environmental press, personal space, design prototype theory and human factors research. Students will select a specific theory and then relate it to occupational therapy practice and environmental modification options. Learning experiences include tutorials and seminars. Students are required to select one theory and show how it can be applied to name and frame environmental data, and thus the identification and resolution of barriers in the built environment for persons with special needs.

**OCCP5053 (15490) Foundations for modifications in public and private buildings**

*Semester 2 - 6 credit points*

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.

**OCCP5054 (15491) Communication with clients, builders, architects and tradesmen**

*Semester 1 - 6 credit points*

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.

**Elective Unit Description**

**OCCP5025 (15451) Occupational Therapy Clinical Specialty**

*Semester 1 or 2 - 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 student's 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.

**OCCP5052 (15489) Environmental Theory**

*Semester 1-6 credit points*

This unit of study will examine pertinent theories of person environmental interaction. These theories relate to design, psychology, sociology, anthropology and occupational therapy. Some theories to be examined will be environmental press, personal space, design prototype theory and human factors research. Students will select a specific theory and then relate it to occupational therapy practice and environmental modification options. Learning experiences include tutorials and seminars. Students are required to select one theory and show how it can be applied to name and frame environmental data, and thus the identification and resolution of barriers in the built environment for persons with special needs.

**OCCP5046 (15478) Prescription, Evaluation and Equipment Modification for Occupational Performance**

*Semester 1 or 2 - 6 credit points*

This unit of study examines the range of large equipment available to temporarily modify the built environment. Examples include portable ramps, hoists, furniture surrounds, and bathing aids. Students will extend their skill and knowledge in the prescription, evaluation and modification of equipment that promotes performance of occupational tasks in a home environment. Students will integrate principles of optimisation, biomechanics, ergonomics, and design with principles of occupational performance to determine appropriate options for clients where structural modification is not desirable. Learning experiences will include seminars, case presentations and videotaped assessments of client equipment evaluation.

**OCCP5055 (15492) Occupational Therapy drafting using CAD packages**

*Semester 1 or 2 - 6 credit points*

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.

**OCCP5056 (15493) Establishing and Contributing to Community Access Policies**

*Semester 1 or 2 - 6 credit points*

This unit of study explores strategies which can be used by occupational therapists to establish and contribute to community policies on environmental access. Students will examine the role, history, function and impact of local council access committees on environmental access policy. Students will also examine the disability discrimination act and determine how it is being used to promote access and determine its relevance to the needs and rights of disabled persons at the local community level. Learning experiences include seminars, case presentations, and problem solving exercises.

## Specialty Track    Mental Health

This specialty track within the graduate certificate course will enhance the student's knowledge, skills and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational role and task performance has been compromised by threatened or impaired mental health.

			Sem 1	Sem 2
<i>Year 1</i>				
OCCP5035	(15467)	Advanced Occupational Therapy Assessment and Treatment in Mental Health		6
OCCP5036	(15468)	Occupational Therapy Service Delivery in Mental Health		6
OCCP5037	(15469)	Family and System Intervention for Occupational Therapy in Mental Health Elective <sup>1</sup>	6 6	or 6
		<i>Stage Total</i>	24	12      12

### Notes

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2. Electives include:

OCCP5038 (15470) Advanced Counselling for Occupational Therapy

OCCP5039 (15471) Creative Communication in Groups

### **OCCP5035 (15467) Advanced Occupational Therapy Assessment and Treatment in Mental Health**

*Semester 2 - 6 credit points*

Assessment, treatment and documentation are three primary functions that occupational therapists perform in their role as clinicians in mental health services. Inherent in these functions is the ability to make clinical decisions. The aim of this unit of study is to enhance the practitioner's clinical reasoning and decision making skills in the assessment and treatment of clients. It also aims to enable the practitioners to enhance the unique role and contribution of occupational therapy within the multidisciplinary setting. Diagnostic and functional assessments and specific client centred interventions developed within the context of occupational therapy and mental health practice models will be emphasised. Practitioners will examine their own clinical reasoning and decision making within the context of these models and the practice environment.

### **OCCP5036 (15468) Occupational Therapy Service Delivery in Mental Health**

*Semester 2 - 6 credit points*

This unit of study will be dealing with service delivery in occupational therapy mental health practice. It will incorporate needs assessment and analysis; program planning, implementation and evaluation; quality assurance and documentation. The issue of case management and knowledge of the principles and practice of psychosocial rehabilitation will be addressed. There will be also an emphasis on client empowerment throughout different phases of service delivery.

### **OCCP5037 (15469) Family and System Intervention for Occupational Therapy in Mental Health**

*Semester 1-6 credit points*

Students will examine and develop knowledge of family systems' theories as applied to clients in particular treatment settings and the community. Emphasis will be on the occupational therapists' role of empowerment and advocacy in the planning and implementation of services for the mentally ill clients and their families in the community.

### **Elective Units**

#### **OCCP5038 (15470) Advanced Counselling for Occupational Therapy Practice**

*Semester 1 or 2 - 6 credit points*

This unit of study will employ an experiential approach to introduce students to various models of counselling and to enhance skills in counselling of clients with special needs or in special clinical settings which are applicable to the current occupational therapy practice. The content of this unit of study will cover counselling in areas which include marriage, family, drug and alcohol abuse, crisis, and grief and bereavement. Student will also learn to assess client's needs in the helping process and select appropriate counselling model to address those needs.

#### **OCCP5039 (15471) Creative Communication in Groups**

*Semester 1 or 2 - 6 credit points*

This unit aims to provide the opportunity for occupational therapists who are working with consumer groups or have access to consumer groups to advance their knowledge and leadership skills of applying creative communication in groups using expressive activities such as drama, art, dance, creative writing and claywork. The focus of this unit will be on skills development and participants will be expected to use examples from their practice.

## Specialty Track Neurology

This specialty track within the graduate certificate course will enhance the student's knowledge, skills and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational role and task performance has been compromised by the physical and cognitive manifestations of impaired brain function.

		Sem 1	Sem 2
<i>Year 1</i>			
OCCP5040 (15472)	Occupational Therapy Assessment		6
OCCP5041 (15473)	Systematic Instruction		6
OCCP5042 (15474)	Systematic Instruction : Physical guidance Elective <sup>1</sup>	6	6
		6	or 6
	<i>Stage Total</i>	24	12 12

### Notes

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2. Electives include:

- OCCP5025 (15451) Occupational Therapy Clinical Specialty
- OCCP5043 (15475) Upper limb orthotic systems
- OCCP5044 (15476) Programming for Community and Living Skills
- OCCP5045 (15477) Systematic Instruction: Behaviour Management
- OCCP5046 (15478) Prescription, Evaluation and Modification of Seating for Occupational Performance
- OCCP5048 (15485) OP and People with High Support Needs
- OCCP5047 (15484) OP and the Inclusive Community

### **OCCP5040 (15472) Occupational Therapy Assessment** *Semester 2 - 6 credit points*

This unit of study examines formal occupational therapy assessments that have been developed for use with persons with impaired brain function. These assessments include both norm referenced tests and criterion referenced tests in current use as well as those being developed (A-ONE OT-ADL Neurobehavioural Evaluation, Assessment of Motor and Process Skills (AMPS), Community Adaptive Patterns Assessment, PRPP System). Students will choose one mode of assessment and study its theoretical base, assumptions development, strengths, limitations and suitability for use with persons with impaired brain function. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice during tutorial sessions as well as practice on clients within their workplace. Learning experiences include seminars, tutorials, and videotaped analysis of students testing clients.

### **OCCP5041 (15473) Systematic Instruction** *Semester 2 - 6 credit points*

This unit of study will extend systematic instruction techniques covered in the occupational therapy undergraduate course. Students will examine the use of systematic instruction to structure self-care and community programs specifically for clients with impaired brain function. Students will examine the use of instructional techniques and learn to apply various strategies such as using cues and prompt systems; deciding how to choose reinforcement to promote the learning of occupational tasks; training for complex stimulus discrimination in real world environments; and managing contingencies to reduce artificial reinforcement in favour of naturally occurring cues. Students will identify procedures for promoting maintenance and generalisation and apply these to the development of client programs in both acute and tertiary rehabilitation programs. Students will have the opportunity to develop instructional strategies that apply to specific clients in their workplace. Learning experiences include seminars, problem solving around client cases and videotaped analysis of the student's skill in applying instructional strategies to specific clients within their workplace.

**OCCP5042 (15474) Systematic Instruction Physical Guidance**

*Semester 1-6 credit points*

This unit of study examines the use of various physical guidance models to improve performance of occupational tasks of persons with impaired brain function. Each model will be examined relative to its theoretical base, assumptions and application to management of impaired brain function. Students will select one specific model and develop skill in using the model to help clients initiate steps in performing occupational tasks, improve the quality of performance of occupational tasks, improve the timing of performance of occupational tasks and to appropriately terminate task performance. Learning experiences include seminars, problem solving around client cases and videotape analysis of student's skill in physically guiding performance of occupational tasks.

**OCCP5043 (15475) Upper Limb Orthotic Systems**

*Semester 1 - 6 credit points*

This unit of study explores the use of upper limb orthotic systems to improve performance of occupational tasks of persons with impaired brain function. Students will examine the biomechanics of the upper limb and the pathomechanics that occur as a result of impaired brain function. Principles of orthotic design and fabrication will be examined relative to upper limb problems found in persons with impaired brain function. Students will learn to design, fabricate and evaluate orthotic systems fitted to clients within their workplace. Learning experiences include seminars, problem solving around client cases, videotape analysis of client problems and analysis of orthotic systems designed by students.

**Elective Unit Descriptions**

**OCCP5025 (15451) Occupational Therapy Clinical Specialty**

*Semester 1 or 2-6 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.

**OCCP5044 (15476) Programming for Community and Living Skills**

*Semester 1 or 2-6 credit points*

This unit of study focuses on occupational therapy management of clients with impaired brain function who are in tertiary rehabilitation programs, students will examine various strategies which can be used to facilitate clients making a meaningful transition from rehabilitation programs to community living. Students will learn how to identify client skills required for community living; become familiar with the services provided by service agencies with the community and will learn how to plan systematically for the transfer to programming responsibilities to other community agencies and families before targeted discharge from tertiary rehabilitation programs. Learning experiences include seminars, case presentations and problem solving tutorials.

**OCCP5045 (15477) Systematic Instruction Behaviour Management**

*Semester 1 or 2-6 credit points*

This unit of study explores strategies which can be used by occupational therapists to manage maladaptive or challenging behaviours that occur in persons with impaired brain function and interfere with performance of occupational tasks. Students will learn to use a functional analysis of behaviour during task performance and combine findings with environmental and discrepancy analyses as well as social validation procedures to determine appropriate intervention strategies. Students will examine how various behaviour change intervention models can be used to promote performance in occupational tasks and determine their relevance to management of clients with impaired brain function. Learning experiences include seminars, case presentations, problem solving exercises and videotaped analysis of students interactions with clients.

**OCCP5046 (15478) Prescription, Evaluation and Modification of Seating for Occupational Performance**

*Semester 1 or 2-6 credit points*

This unit of study examines the range of seating equipment available. Students will extend their skill and knowledge in the prescription, evaluation and modification of equipment that promotes performance of occupational tasks in a sitting position. Students will integrate principles of ergonomics, biomechanics and design with principles of occupational performance to determine appropriate seating options for clients whose physical function is compromised by impaired brain function. Learning experiences will include seminars, case presentations and videotaped assessments of client seating.

**OCCP5047 (15484) Occupational Performance and the Inclusive Community**

*Semester 1-6 credit points*

In this unit of study students have the opportunity to examine and critically analyse a range of models and philosophies of service provision in the areas of developmental disability and paediatrics from the point of view of their impact on occupational performance. This will include the examination of concepts such as social role valorisation, integration, inclusion, the least restrictive alternative, client centred and family centred approaches to intervention, categorical and non-categorical models of service provision, supported and sheltered employment, transdisciplinary and multidisciplinary models of service delivery, legislative and standards based models of service reform and implementation. Learning experiences include seminars, case study presentations and problem solving tutorials

**OCCP5048 (15485) Occupational Performance and People with High Support Needs**

*Semester 1 - 6 credit points*

This unit of study explores strategies which can be used by occupational therapists to identify and affirm the occupational roles of people with high support needs and strategies to promote and fully support their fulfillment of those roles and their performance of human occupations. This unit of study will also examine assessment and intervention strategies to promote a person's occupational performance where that is affected by the presence of challenging behaviours. Learning experiences include seminars, case presentations, problem solving exercises and videotaped analysis of students interactions with people for whom they are currently providing occupational therapy services.

**Specialty Track Occupational Rehabilitation**

This specialty track within the graduate certificate course will enhance the student's knowledge, skills and attitudes in planning, implementing and evaluating contemporary occupational therapy service provision to clients of any age whose occupational performance has been compromised by the physical, cognitive and psychosocial manifestations of work-related injury or disease.

			Sem 1	Sem2
<i>Year 1</i>				
OCCP5057 (15494)	Occupational Therapy Assessment of the Individual in Occupational Rehabilitation			6
OCCP5058 (15495)	Individual Intervention Strategies in Occupational Rehabilitation			6
OCCP5059 (15496)	Occupational Therapy Assessment of the Environment in Occupational Rehabilitation Elective <sup>1</sup>		6 6	or 6
<i>Stage Total</i>			<i>24</i>	<i>12</i>

**Notes**

<sup>1</sup> One elective only required to satisfy the requirements of the course. This elective can be taken in either Semester 1 or Semester 2. Electives include:

- OCCP5061 (15498) Marketing for Occupational Therapists
- OCCP5062 (15499) Health Promotion - Theories and Application
- OCCP5063 (154A1) Health Promotion - Program Design and Development
- OCCP5025 (15451) Occupational Therapy Clinical Specialty
- OCCP5060 (15497) Environmental Intervention Strategies

**OCCP5057 (15494) Occupational Therapy Assessment  
of the Individual in Occupational Rehabilitation**

*Semester 2 - 6 credit points*

This unit of study examines assessments used by occupational therapists that have been developed for use with individuals who experience difficulty fulfilling their roles as workers. The range of assessments and approaches which will be examined include norm-referenced and criterion-referenced assessments, commercially available systems (e.g. Valpar, WEST, Isernhagen, WorkAbility 3), and non-standardised assessments. Assessments which address performance component deficits in the biomechanical, sensory-motor, cognitive and psychosocial areas relevant to occupational performance in productivity will also be examined. Students will study these assessments in terms of their theoretical base, assumptions, development, strengths, limitations and suitability for use for individuals who are unable to fulfil their productivity roles.

**OCCP5058 (15495) Individual Intervention Strategies  
in Occupational Rehabilitation**

*Semester 2 - 6 credit points*

Following the identification of specific deficits in occupational performance relevant to productivity, the development of appropriate intervention strategies occurs. This unit of study will examine various approaches to intervention with individuals. The issue of case management and knowledge of the principles and practice of occupational rehabilitation will be addressed. Approaches to work hardening and conditioning in various settings will be considered. The development of intervention programs for individuals with physical, cognitive and psychosocial deficits affecting productivity will be addressed.

**OCCP5059 (15496) Occupational Therapy Assessment  
of the Environment in Occupational Rehabilitation**

*Semester 1 - 6 credit points*

This unit of study examines the assessment of the overall work environment. Many aspects of an organisation, the work environment and various other systems can impact on the performance of individuals and therefore must be examined. Determining which aspects of the environment to assess as well as the selection of appropriate assessment strategies will be addressed. Assessment of the technical and hardware systems, formal structures and informal structures will be presented. Students will develop skills in the assessment of environments from these various perspectives.

**Elective Unit Descriptions**

**OCCP5025 (15451) Occupational Therapy Clinical  
Specialty**

*Semester 1 or 2 - 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.

**OCCP5060 (15497) Environmental Intervention  
Strategies in Occupational Rehabilitation**

*Semester 1-6 credit points*

Having assessed an organisation, its environment and the contexts and systems in which it operates, it is necessary to then develop appropriate intervention strategies addressing these problems. This unit of study examines this broad range of interventions. Areas such as designing, adapting and modifying the technical and hardware systems will be addressed, as will interventions relevant to the formal and informal structures. Implications for intervention related to legislative requirements and the broader political environment will be considered.

**OCCP5061 (15498) Marketing for Occupational  
Therapists**

*Semester 1 or 2 - 6 credit points*

This unit of study examines marketing concepts and techniques used in the promotion of occupational therapy services through the marketing of services and marketing management. It provides students with the opportunity to develop marketing plans for the provision of professional services relevant to their work environment.

**OCCP5062 (15499) Health Promotion - Theories and  
Application**

*Semester 1 or 2 - 6 credit points*

The aims of this unit of study are to introduce students to the concept of health promotion, provide an introduction to the conceptual bases which influence health promotion and consider how the application of these theories may influence health promotion programs. Content includes theories which influence health promotion and differing approaches to health promotion varying from individual to populations.

**OCCP5063 (154A1) Health Promotion - Program  
Design and Development**

*Semester 1 or 2 - 6 credit points*

This unit of study provides opportunities for the student to develop skills in the design, development, implementation and evaluation of health promotion programs and strategies. Needs assessment, program design and process, impact and outcomes evaluation will be covered. Students will develop programs relevant to their own work settings.

**Table 13.2 Master of Health Science (Occupational Therapy) by Coursework**

**Course**

**Code Mode of offer**

1514 Full-time, 1 1/2-2 years

1516 Part-time, 3 years

Credit Points 72

**Full-time Mode**

*Year 1*

OCCP5099	(15435)	Theory Issues in Occupational Therapy	6	-
OCCP5100	(15449)	Research and Inquiry Issues in Occupational Therapy	-	6
		Electives	12	12
		OR		
OCCP5066	(15504)	Treatise A	12	-
OCCP5067	(15505)	Treatise B	-	12
		OR		
OCCP5101	(15444A)	Project	12	-
OCCP5102	(15444B)	Project	-	12
<i>Stage Total</i>			<u>36</u>	<u>18</u>

*Year 2*

		Electives	6	6
		AND		
OCCP5066	(15504)	Treatise A	12	-
OCCP5067	(15505)	Treatise B	-	12
		OR		
OCCP5101	(15444A)	Project	12	-
OCCP5102	(15444B)	Project	-	12
<i>Stage Total</i>			<u>36</u>	<u>18</u>

**Part-time Mode**

*Year 1*

OCCP5099	(15435)	Theory Issues in Occupational Therapy	6	-
OCCP5100	(15449)	Research and Inquiry Issues in Occupational Therapy	-	6
		Electives	6	6
		OR		
OCCP5066	(15504)	Treatise A	12	-
OCCP5067	(15505)	Treatise B	-	12
		OR		
OCCP5101	(15444A)	Project	12	-
OCCP5102	(15444B)	Project	-	12
<i>Stage Total</i>			<u>24</u>	<u>12</u>

*Year 2*

		Electives	12	12
		OR		
OCCP5066	(15504)	Treatise A	12	-
OCCP5067	(15505)	Treatise B	-	12
		OR		
OCCP5101	(15444A)	Project	12	-
OCCP5102	(15444B)	Project	-	12
<i>Stage Total</i>			<u>24</u>	<u>12</u>

	Electives	12	12
	OR		
OCCP5066 (15504)	Treatise A	12	-
OCCP5067 (15505)	Treatise B	-	12
	OR		
OCCP5101 (15444A)	Project	12	-
OCCP5102 (15444B)	Project	-	12
<i>Stage Total</i>		<i>24</i>	<i>12</i>

## Master of Health Science (Occupational Therapy) by Coursework

The School of Occupation and Leisure Sciences offers two graduate courses for occupational therapists. The Master of Applied Science in Occupational Therapy by Research which commenced in 1988 and the Master of Health Science by Coursework which commenced in 1990.

The Master of Health Science in Occupational Therapy by Coursework has a coursework, project and/or treatise components. The course is designed to provide study in occupational therapy and related topics appropriate for leadership roles in areas of clinical specialisation. The course can 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. Possess an award of Diploma in Occupational Therapy from a recognised educational body and submit such other evidence of general and/or professional qualifications as will satisfy the Faculty that the applicant possess the educational preparation and capacity to pursue graduate studies;  
AND
6. Have the equivalent of a minimum of one year full-time professional experience since graduation as an occupational therapist.

For occupational therapists without these qualifications entry may be possible through successful completion of a qualifying program designed specifically for individual applicants.

### Course Outline

The Course Outlines for the Master of Health Science (Occupational Therapy) by Coursework are presented in Table 13.2.

### Unit Descriptions

#### OCCP5099 (15435) Theory Issues in Occupational Therapy

##### *Semester 1 - 6 credit points*

The purpose of this unit is for students to investigate theoretical issues that impact on knowledge development and practice in occupational therapy. Epistemological orientation to practice, conceptual and theoretical structures of knowledge in occupational therapy, and framework for theory description, analysis and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an ability to critically appraise theoretical frameworks and models of practice in occupational therapy.

#### OCCP5100 (15449X) Research and Inquiry Issues in Occupational Therapy

##### *Semester 2 - 6 credit points*

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.

## Electives

A program of elective study may be designed by the student in consultation with the graduate adviser. Electives may include a combination of 15444A/B Project, 15504 Treatise A and 15505 Treatise B, and specific units. These specific units may be chosen from any of the following:

- 1) Elective units offered by the School of Occupational Therapy including any units listed in the specialty tracks of the Graduate Certificate of Applied Science (Occupational Therapy) See handbook entry.
- 2) Elective units offered by other schools and departments within the Faculty of Health Sciences (see Appendix 1)
- 3) Elective units offered by other schools and departments within the University, or from other Universities.

A total of 60 credit points of electives are required for completion of the Master of Health Science in Occupational Therapy by Coursework. Enrolment in these units will be contingent on the student satisfying necessary entry requirements, on places being available, and the approval of the relevant Head of School or Department from which the course is offered.

### OCCP5021 (15444) Project

*Semester 1 S2-24 credit points*

The purpose of this unit is to synthesise postgraduate learning into a final project. Students conduct and write up their project under the supervision of one or more members of the School and if appropriate in conjunction with staff from the Departments or other Schools. The project may involve program evaluation, application of theory to program design, developing a clinical tool, or any other applied research or evaluation project relevant to an aspect of occupational therapy.

### OCCP5066/OCCP5067 (15504/15505) Treatise A/

#### Treatise B

*Semester 1 and/or 2 -12 credit points*

A treatise is a substantial work that makes a largely original contribution to the knowledge of a particular unit in occupational therapy theory and/or practice. It requires an independent investigation of an area relevant to theory, practice, and professional interests under supervision of staff of the Occupational Therapy School in conjunction with other staff from the Faculty if necessary. The outcome of the treatise is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues. The aim of the treatise is to synthesise graduate knowledge and skills and integrate background and related materials with a view of providing cohesive and well argued suggestions or frameworks for knowledge and practice development in occupational therapy.

### OCCP5069 (15507) Family and Community Care

*Semester 2 - 6 credit points*

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.

### OCCP5068 (15506) Program Evaluation

*Semester 1 - 6 credit points*

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.

### OCCP5033 (15459) Managerial Issues in

#### Occupational Therapy

*Semester 1 or 2-6 credit points*

This unit provides students with the opportunity to analyse theories of organisational decision-making and to review current managerial theories and techniques which could be applied to the planning, organising, staffing, leading and assuring quality of services of their respective unit and/or department.

### OCCP5103 (15537) Occupational Therapy Clinical

#### Specialty

*Semester 1 or 2-4 credit points*

This unit 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 permits students to undertake approved courses of study off-campus. Enrolment in this unit 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 student's documented completion of the course. This unit is coordinated by the graduate adviser who will consider enrolment in this unit on a case-by-case basis.

**OCCP5070 (15508) Selected Topics in Occupational  
Therapy**

*Semester 1 or 2 -1 credit points*

**OCCP5071 (15509) Special Topics in Occupational  
Therapy**

*Semester 1 or 2-3 credit points*

These units are designed to provide the student the opportunity to expand in depth or breadth a topic that complements previous or current studies and experiences in clinical areas or explore a topic that is relevant to current practice and research interest. This unit permits students to undertake approved studies off-campus and contingent on the student being accepted for the course, meeting all costs, and relevant documentation presented and approved. The difference between a one credit and a three credit unit is in the number of hours involved and the length and weighting of the assessment.

**I Topics in Clinical Research**

- COMH5037 (08441) Program Planning and Evaluation (6 credit points)
- COMH5130 (08564) Epidemiological Research (6 credit points)
- COMH5127 (08561) Evaluation Research (6 credit points)
- COMH5128 (08562) History and Philosophy of Scientific Methodology (6 credit points)
- COMH5129 (08563) Action Research (6 credit points)
- COMH5102 (08522) Introduction to Epidemiology and Biostatistics (6 credit points)
- BEHS5105 (10573) Multivariate Statistics (6 credit points)
- BEHS5104 (10572) Qualitative Research Methods (6 credit points)
- BEHS5103 (10571) Intermediate Statistics (6 credit points)
- EXSS5017 (22518) Biological Measurement and Analysis (6 credit points)
- OCCP5064 (15501) Single System Research Design and Evaluation Methods (6 credit points)
- OCCP6008 (15502) Research Designs and Methods for Therapists (6 credit points)
- OCCP5068 (15506) Evaluation of Therapy Programs (6 credit points)

**II Topics in Health Science Education**

- COMH5084 (08506) Planning, implementing and evaluating education experiences (6 credit points)
- COMH5032 (08431) Teaching with Technology (6 credit points)
- COMH5169 (08434) Student Assessment, Evaluation and Development (6 credit points)
- COMH5064 (08481) Introduction to Health Education (6 credit points)
- COMH5065 (08482) Large Group Teaching (6 credit points)
- COMH5095 (08515) Teaching with Reduced Resources (6 credit points)
- COMH5100 (08520) Clinical Teaching and Supervision (6 credit points)
- COMH5082 (08504) Adult Learning (6 credit points)

**III Topics in Health Care and Promotion**

- COMH5173 (08445) Women's Health (4 credit points)
- COMH5168 (08446) Aboriginal Health (4 credit points)
- COMH5041 (08447) Migrant and Refugee Health (4 credit points)
- COMH5048 (08456) Legal and Ethical Issues in Community Health (4 credit points)
- COMH5069 (08488) Counselling Theory and Practice (4 credit points)
- COMH5170 (08490) Community Development (4 credit points)
- COMH5101 (08521) Introduction to Community Health Policy and Services (4 credit points)
- COMH5103 (08523) Australian Society and Health (6 credit points)
- COMH5109 (08529) Management and Problem Solving (4 credit points)
- OCCP5020 (15441) Lifestyle Management (6 credit points)
- OCCP5026 (15452) Communication and Conflict in Health Care Environments (6 credit points)

**IV Topics in Clinical Practice**

- OCCP5016 (15437) Occupational Therapy Theory and Practice in Gerontology (6 credit points)
- OCCP5025 (15451) Occupational Therapy Clinical Specialty (6 credit points)
- OCCP5030 (15456) Occupational Therapy Theory and Practice in Community (6 credit points)
- OCCP5031 (15457) Occupational Therapy Theory and Practice in Palliative Care (6 credit points)

**Table 13.3 Master of Occupational Therapy**

*Course Code*      *Mode of offer*  
 1534      *Full-time, 4 semesters, 96 credit points*

			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
<i>Stage Total</i>			<i>48</i>	<i>24</i>
<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
<i>Stage Total</i>			<i>48</i>	<i>24</i>

**Notes**

Electives taken may vary from 2-6 credit points each. The total for electives taken across both years is 12 creditpoints

## 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) Posses 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% 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% relevant content, entry may be possible through successful completion of undergraduate units in areas of relevance.

### Course Outline

The Course Outlines for the Master of Occupational Therapy are presented in Table 13.3.

### Unit Descriptions

The course is offered primarily using a problem based learning approach. All units with the exception of electives will use this approach.

#### OCCP5074/OCCP5075 (15512/15513) Problem Identification 1/Problem Identification 2

*Semester 1 - 4 credit points/Semester 2 - 4 credit points*  
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.

#### OCCP5076/OCCP5077 (15514/15515) Activity Analysis and Adaption 1/Activity Analysis and Adaption 2

*Semester 1 - 3 credit points/Semester 2 - 3 credit points*  
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.

#### OCCP5078/OCCP5079 (15516/15517) Occupational Therapy Intervention 1/Occupational Therapy Intervention 2

*Semester 1 - 4 credit points/Semester 2 - 4 credit points*  
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.

#### OCCP5080/OCCP5081 (15518/15519) Evaluation and Research 1/Evaluation and Research 2

*Semester 1-3 credit points/Semester 2 - 3 credit points*  
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.

#### OCCP5082/OCCP5083 (15520/15521) Professional Management 1/Professional Management 2

*Semester 1 - 3 credit points/Semester 2 - 3 credit points*  
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.

**OCCP5084/OCCP5085 (15522/15523) Professional Presentation 1/Professional Presentation 2**

*Semester 1 - 3 credit points/Semester 2 - 3 credit points*

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.

**OCCP5086/OCCP5087 (15524/15525) Problem Identification in Practice 1/Problem Identification in Practice 2**

*Semester 1 - 4 credit points/Semester 2 - 4 credit points*

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.

**OCCP5088/OCCP5089 (15526/15527) Activity Analysis and Adaption in the Field 1/Activity Analysis and Adaption in the Field 2**

*Semester 1 - 2 credit points/Semester 2 - 2 credit points*

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.

**OCCP5090/OCCP5091 (15528/15529) Occupational Therapy Intervention in Practice 1/Occupational Therapy Intervention in Practice 2**

*Semester 1 - 4 credit points/Semester 2 - 4 credit points*

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.

**OCCP5092/OCCP5093 (15530/15531) Evaluation Research in the Field 1/Evaluation Research in the Field 2**

*Semester 1 - 4 credit points/Semester 2 - 4 credit points*

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.

**OCCP5094/OCCP5095 (15532/15533) Professional Management in Practice 1/Professional Management in Practice 2**

*Semester 1 - 3 credit points/Semester 2 - 3 credit points*

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.

**OCCP5096/OCCP5097(15534/15535) Professional Presentation in Practice 1/Professional Presentation in Practice 2**

*Semester 1 - 3 credit points/Semester 2 - 3 credit points*

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.

**Electives**

In consultation with an academic adviser students will select an elective in each semester of the course. The elective may be selected from graduate units offered across the Faculty for which the applicant meets entry requirements.

**OCCP5098 (15536) Elective Topic**

For some students an elective topic will be developed specifically for them in consultation with an academic adviser. This will take the form of individual learning contract.

**Table 13.4 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*

**Full-time Mode**

	<b>Sem 1</b>	<b>Sem2</b>
<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		

**Notes**

Enabling units of study are normally required of all students enrolled in 15433A Research Thesis A/15433B Research Thesis B. These units of study include units 15435 and 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.

**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 MHIthSc(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 Outlines for the Master of Applied Science (Occupational Therapy) by Research are presented in Table 13.4.

## Unit Descriptions

### **OCCP6004/OCCP6005 (15433A/15433B)**

#### **Research Thesis**

##### *Semester 1 and 2*

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 (see Appendix 1).

### **OCCP5099 (15435) Theory Issues in Occupational Therapy**

#### *Semester 1 - 6 credit points*

The purpose of this unit is for students to investigate theoretical issues that impact on knowledge development and practice in occupational therapy. Epistemological orientation to practice, conceptual and theoretical structures of knowledge in occupational therapy, and framework for theory description, analysis and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an ability to critically appraise theoretical frameworks and models of practice in occupational therapy.

### **OCCP5100 (15449X) Research and Inquiry Issues in Occupational Therapy**

#### *Semester 2 - 6 credit points*

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.

### **OCCP5064 (15501) Single System Research Design and Evaluation Methods**

#### *Semester 1 - 6 credit points*

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.

### **OCCP6008 (15502) Research Designs and Methods for Therapists**

#### *Semester 1 - 6 credit points*

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.

### **OCCP9001 (15900) Special Program - Occupational Therapy Master's Qualifying**

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



# 14 School of Physiotherapy

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, 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 Ndw 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 miscellaneous (or non-award) students, the School may agree to enrol an applicant in a unit offered by the School, provided that the applicant has the required prerequisite knowledge to study the unit and there is sufficient space in the class room and tutorial group to accommodate the applicant without prejudicing other students' performance. 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 (9351 9378); The Postgraduate Coursework Programs Coordinator: Ms Elizabeth Henley (9351 9268); Research Masters Program Coordinator: Associate Professor Nick O'Dwyer (9351 9272); Ph.D. Program Coordinator: Associate Professor Jack Crosbie (9351 9549).

Table 14.1 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

			Sem 1	Sem 2
BEHS 5030	(10458)	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 <sup>1</sup>	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B <sup>1</sup>	-	9
<i>Stage Total</i>			<u>48</u>	<u>26</u>

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
<i>Stage Total</i>			<u>23</u>	<u>12</u>

Year 2

BEHS5030	(10458)	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 <sup>1</sup>	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B <sup>1</sup>	-	9
<i>Stage Total</i>			<u>25</u>	<u>14</u>

Note

Clinical Manipulative Physiotherapy will be conducted as three afternoon sessions for ten weeks in semesters 1 & 2.

## **Graduate Diploma of Health Science (Manipulative Physiotherapy)**

### **Enquiries**

Graduate Diploma Course Coordinator: Kathryn Refshauge (9351 9180)

Master's Course Coordinator: Martin Mackey (93519374)

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 Co-ordinator, Kathryn Refshauge (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<sup>1</sup> 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 Health 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.

<sup>1</sup> 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.

### **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 14.1.

### **Unit Descriptions**

Refer to pages 14-20 to 14-25 for unit descriptions.

**Table 14.2 Master of Health Science (Manipulative Physiotherapy)**

Course

Code Mode of Offer

1632 Full-time; 1 1/2 years

1633 Part-time; 3 years

Credit Points 48

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5030	(10458)	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 <sup>1</sup>	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B <sup>1</sup>	-	9
<i>Stage Total</i>			<i>48</i>	<i>22</i>

*Year 2*

COMH5136i	(08576)	History and Philosophy of Scientific Methodology OR	3 OR	-
PHTY5074	(16512)	Scientific Investigation II	3	-
PHTY5048	(164B3)	Distinguished Scientist Series	3	-
PHTY5049	(164B4)	Treatise	18	-
<i>Stage Total</i>			<i>24</i>	<i>24</i>

**Part-Time Mode***Year 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
<i>Stage Total</i>			<i>23</i>	<i>11</i>

*Year 2*

BEHS5030	(10458)	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 <sup>1</sup>	9	-
PHTY5073	(16511)	Clinical Manipulative Physiotherapy B <sup>1</sup>	-	9
<i>Stage Total</i>			<i>25</i>	<i>11</i>

Note: Treatise may be taken as part time over one year.

<sup>1</sup> Clinical Manipulative Physiotherapy will be conducted as three afternoon sessions for ten weeks in semesters 1 and 2.

COMH5136 (08576)	History and Philosophy of Scientific Methodology	3	-
	OR	OR	
PHTY5074 (16512)	Scientific Investigation H	3	-
PHTY5048 (164B3)	Distinguished Scientist Series	3	-
PHTY5050 (164B4A)	TreatiseA	6	-
PHTY5051 (164B4B)	TreatiseB	-	12
<i>Stage Total</i>		<i>24</i>	<i>12</i>

## Master of Health Science (Manipulative Physiotherapy)

### Enquiries

Graduate Diploma Course Coordinator: Kathryn Refshaug (9351 9180)

Master's Course Coordinator: Martin Mackey (93519374)

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 Health Science (Manipulative Physiotherapy) Course Coordinator, Kathryn Refshaug (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<sup>1</sup> 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 (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 (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 (Manipulative Physiotherapy) is presented in Table 14.2.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

Table 14.3 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)

**Full-time Mode**

			Sem 1	Sem 2
<i>Year 1</i>				
BEHS5030	(10458)	Psychology	-	1
BEHS5144	(10472)	Motor Performance and Learning	3	-
EXSS5026	(22527)	Applied Physiology I	5	-
EXSS5004	(22505)	Applied Physiology II	-	4
EXSS5027	(22528)	Clinical Biomechanics (or approved elective <sup>1</sup> )	-	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
<i>Min Stage Total</i>			48	
			23	25

**Part-time Mode**

*Year 1*

EXSS5026	(22527)	Applied Physiology I	5	-
EXSS5027	(22528)	Clinical Biomechanics (or approved elective <sup>1</sup> )	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
BIOS5034	(11470)	Functional Anatomy	-	4
PHTY5070	(16508)	Scientific Investigation I	-	3
PHTY5071	(16509)	Medical Sciences	2	-
BEHS5030	(10458)	Psychology	-	1
<i>Min Stage Total</i>			21	
			9	12

*Year 2*

BEHS5144	(10472)	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
<i>Stage Total</i>			27	
			14	13

Note 1 - Approved elective is Clinical Biomechanics for Physiotherapists (16525) (4 credit points semester 2)

## **Graduate Diploma of Health Science (Sports Physiotherapy)**

### **Enquiries**

Graduate Diploma Course Coordinator: Elizabeth Henley  
(9351 9268)

### **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<sup>1</sup> 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 Health 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.

<sup>1</sup>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.

### **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 14.3.

### **Unit Descriptions**

Refer to pages 14-20 to 14-25 for unit descriptions.

**Table 14.4 Master of Health Science (Sports Physiotherapy)***Course*

*Code Mode of Offer*  
 1630 *Full-time; 1½ years*  
 1631 *Part-time; 3 years*  
 Credit Points 72 (minimum)

**Full-time Mode**

			Sem 1	Sem2
<i>Year 1</i>				
PHTY5070	(16508)	Scientific Investigation I	-	3
EXSS5026	(22527)	Applied Physiology I	5	-
BIOS5034	(11470)	Functional Anatomy	-	4
EXSS5027	(22528)	Clinical Biomechanics (or approved elective <sup>1</sup> )	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
PHTY5071	(16509)	Medical Sciences	-	2
BEHS5144	(10458)	Psychology	-	1
PHTY5074	(16512)	Scientific Investigation II	3	-
BEHS5030	(10472)	Motor Performance and Learning	3	-
EXSS5004	(22505)	Applied Physiology II	-	4
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
<i>Min Stage Total</i>			48	
			23	25

*Year 2*

COMH5136i	(08576)	History and Philosophy of Scientific Methodology	3	-
PHTY5048	(164B3)	Distinguished Scientist Series	3	-
PHTY5049	(164B4)	Treatise	18	-
<i>Stage Total</i>			24	-

**Part-time Mode***Year 1*

PHTY5070	(16508)	Scientific Investigation I	-	3
EXSS5026	(22527)	Applied Physiology I	5	-
BIOS5034	(11470)	Functional Anatomy	-	4
EXSS5027	(22528)	Clinical Biomechanics (or approved elective <sup>1</sup> )	-	2
EXSS5020	(22521)	Mechanics of Human Movement	4	-
PHTY5071	(16509)	Medical Sciences	-	2
BEHS5144	(10458)	Psychology	-	1
<i>Min Stage Total</i>			21	
			9	12

*Year 2*

PHTY5074	(16512)	Scientific Investigation II	3	-
BEHS5080	(10472)	Motor Performance and Learning	3	-
EXSS5004	(22505)	Applied Physiology II	-	4
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
<i>Min Stage Total</i>			27	
			14	13

COMH5136 (08576)	History and Philosophy of Scientific Methodology	5	
PHTY5048 (164B3)	Distinguished Scientist Series	3	
PHTY5050 (164B4A)	Treatise A	6	
PHTY5051 (164B4B)	Treatise B		12
<i>Stage Total</i>		<i>24</i>	<i>12</i>
			<i>12</i>

Note 1 - Approved elective is Clinical Biomechanics for Physiotherapists (16525) (4 credit points semester 2)

## Master of Health Science (Sports Physiotherapy)

### Enquiries

Graduate Diploma Course Coordinator: Elizabeth Henley (9351 9268)

Masters Course Coordinator: Martin Mackey (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 (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.

<sup>1</sup> 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

### 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 14.4.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

**Table 14.5 Graduate Certificate of Health Science (Physiotherapy)**

*Course*

*Code Mode of Offer*

1648 Full-time; 1 semester

1649 Part-time; 2 semesters<sup>1</sup>

*Credit Points 24 (minimum)*

**Course Structure**

This award will be granted upon completion of minimum of 24 credit points as outlined below.

A minimum of 12 credit points must be completed from approved Physiotherapy units (PHTYxxxx/16\*\*\*) 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.

			<b>Total</b>	<b>Sem 1</b>	<b>Sem 2</b>
List A <sup>2</sup>					
PHTY5034	(16479)	Occupational Health I <sup>5</sup>		<b>3</b>	
PHTY5035	(16480)	Occupational Health II <sup>5</sup>		-	3
PHTY5096	(16481)	Introduction to Ergonomics <sup>5</sup>		3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance <sup>6</sup>		5	-
PHTY5070	(16508)	Scientific Investigation I <sup>3</sup>		-	3
PHTY5071	(16509)	Medical Sciences			2
PHTY5074	(16512)	Scientific Investigation II <sup>3</sup>		3	-
PHTY5086	(16520)	Clinical Practice I <sup>3</sup>		5	-
PHTY5087	(16521)	Clinical Practice II		-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	2#		
PHTY5089	(16523)	Independent Study in Physiotherapy B	3#		
PHTY5090	(16524)	Independent Study in Physiotherapy C	4#		
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists		-	4
		Plus specialised units available in current year <sup>4</sup>			
List B					
EXSS5026	(22527)	Applied Physiology I		5	-
EXSS5004	(22505)	Applied Physiology II		-	4
BIOS5026	(11455)	Anatomy & Biomechanics A		2	-
EXSS5023	(22523)	Anatomy & Biomechanics B		-	2
EXSS5027	(22528)	Clinical Biomechanics		-	2
EXSS5020	(22521)	Mechanics of Human Movement		4	-
BIOS5034	(11470)	Functional Anatomy		-	4
BIOS5035	(11480)	Advanced Respiratory Physiology <sup>5</sup>		3	-
EXSS5024	(22525)	Advanced Cardiovascular Physiology <sup>5</sup>			3
BIOS5036	(11481)	Cardiopulmonary Anatomy <sup>5</sup>		- <sup>1</sup>	2
		Plus other available electives			
List C					
BEHS5030	(10458)	Psychology		-	1
BEHS5142	(10460)	Psychosocial Aspects of Sport		-	3
BEHS5144	(10472)	Motor Performance & Learning		3	-
BEHS5079	(10547)	Psychology of Child Development <sup>6</sup>		3	-
BEHS5080	(10548)	Psychology of Adolescent Development <sup>6</sup>		-	3
		Plus other available electives			

# The semester in which the unit will be conducted may vary depending on enrolments

List D<sup>6</sup> 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 Appendix 1-Electives)

## Notes

- <sup>1</sup> 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
  - <sup>2</sup> 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
  - <sup>3</sup> Graduate Certificate students must enrol in Scientific Investigations I or II (as required) and may also be required to undertake a clinical practice unit
  - <sup>4</sup> See schedule of Special Stream Electives below
  - <sup>5</sup> 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.
  - <sup>6</sup> Will not be offered in 1999
- \* For Elective unit descriptions, see Appendix I

## 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 Course Coordinator:  
Dr Raymond Lee (9351 9548)

Master's Course Coordinator: Martin Mackey (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:

- i) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study<sup>1</sup> 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 Certificate of Health Science (Physiotherapy) applicants should normally have completed at least two years recent clinical experience.

'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.

### 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 Outline

The course outline for the Graduate Certificate of Health Science (Physiotherapy) is presented in Table 13.5.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

## Specialist Streams

If a student wishes to pursue a specialist stream of physiotherapy study, the following sections outline the proposed content and order of completion of specialised units in the sub-disciplines of Cardiopulmonary Physiotherapy, Neurological Physiotherapy, and Paediatric Physiotherapy.

### Cardiopulmonary Stream

			Sem 1	Sem 2
EXSS5026	(22527)	Applied Physiology I	5	
BIOS5035	(11480)	Advanced Respiratory Physiology	3	
PHTY5056	(164D7)	Cardiopulmonary Physiotherapy A	4	
PHTY5059	(164E3)	Cardiopulmonary Physiotherapy B (or approved elective)		4
PHTY5074	(16512)	Scientific Investigation II	3	
		approved elective (see List A, B, C or D)		#2
		Behavioural Sciences elective (see List C)		#3

### Neurology Stream\*

BEHS5144	(10472)	Motor Performance and Learning	3	=
EXSS5002	(22503)	Applied Physiology 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	-

\* Will not be offered in 1999

### Paediatric Stream##

BEHS5144	(10472)	Motor Performance & Learning	3	
BEHS5079	(10547)	Psychology of Child Development (or approved elective)	3	
EXSS5020	(22521)	Mechanics of Human Movement	4	-
PHTY5054	(164D3)	Paediatric Physiotherapy A	4	
PHTY5070	(16508)	Scientific Investigation II	3	
PHTY5086	(16520)	Clinical Practice I	5	
		Approved Elective (see List A, B, C or D)		#2

# Semester 1 or 2

## Will not be offered in 1999

## Schedule of Special Stream Electives

Stream electives will not be offered each year.

Subject to minimum enrolments the following special stream electives will be offered in the years indicated. Special Stream Electives may be offered in distance mode and/or block mode.

### 1999 Cardiopulmonary Stream

BIOS5035	(11480)	Advanced Respiratory Physiology	3	
PHTY5056	(164D7)	Cardiopulmonary Physiotherapy A	4	
PHTY5054	(164E3)	Cardiopulmonary Physiotherapy B		4

**Table 14.6 Graduate Diploma of Health Science (Physiotherapy)**

**Course**

**Code**      **Mode of Offer**

1646      Full-time; 2 semesters

1647      Part-time; 4 semesters<sup>1</sup>

**Credit Points** 48 (minimum)

**Course Structure**

This award will be granted upon completion of minimum of 48 credit points as outlined below.

A minimum of 24 units must be completed from approved Physiotherapy units (PHT Yxxxx/16\*\*\*)<sup>2</sup> including List A below.

The remaining units may be completed from Lists B (Biomedical Sciences), C (Behavioural Sciences), and/or D (Other)

			<b>Total</b>	<b>Sem 1</b>	<b>Sem 2</b>
List A <sup>3</sup>					
PHTY5034	(16479)	Occupational Health P		3	-
PHTY5035	(16480)	Occupational Health II <sup>6</sup>		-	3
PHTY5096	(16481)	Introduction to Ergonomics <sup>6</sup>		3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance <sup>7</sup>		5	-
PHTY5070	(16508)	Scientific Investigation I <sup>4</sup>		-	3
PHTY5071	(16509)	Medical Sciences		-	2
PHTY5074	(16512)	Scientific Investigation II <sup>4</sup>		3	-
PHTY5086	(16520)	Clinical Practice I		5	-
PHTY5087	(16521)	Clinical Practice II		-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	2#		
PHTY5089	(16523)	Independent Study in Physiotherapy B	3#		
PHTY5090	(16524)	Independent Study in Physiotherapy C	4#		
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists		-	4
Plus specialised units available in current year <sup>5</sup>					
List B					
EXSS5026	(22527)	Applied Physiology I		5	-
EXSS5004	(22505)	Applied Physiology II		-	4
BIOS5026	(11455)	Anatomy and Biomechanics A		2	-
EXSS5023	(22523)	Anatomy and Biomechanics B		-	2
EXSS5027	(22528)	Clinical Biomechanics		-	2
EXSS5020	(22521)	Mechanics of Human Movement		4	-
BIOS5034	(11470)	Functional Anatomy		-	4
BIOS5035	(11480)	Advanced Respiratory Physiology <sup>6</sup>		3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy <sup>6</sup>		-	2
EXSS5024	(22525)	Advanced Cardiovascular Physiology <sup>6</sup>			3
Plus other available electives					
List C					
BEHS5030	(10458)	Psychology		-	1
BEHS5142	(10460)	Psychosocial Aspects of Sport		-	3
BEHS5144	(10472)	Motor Performance and Learning		3	-
BEHS5079	(10547)	Psychology of Child Development <sup>7</sup>		3	-
BEHS5080	(10548)	Psychology of Adolescent Development <sup>7</sup>		-	3
Plus other available electives					

# The semester in which the unit will be conducted may vary depending on enrolments

**List D<sup>7</sup>**

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 Electives Appendix 1)

## Notes

- <sup>1</sup> 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
- <sup>2</sup> Students must choose two clinical units
- <sup>3</sup> 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
- <sup>4</sup> Graduate Diploma students must enrol in Scientific Investigations I and II
- <sup>5</sup> See Schedule of Special Stream Electives below
- <sup>6</sup> 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.
- <sup>8</sup> Will not be offered in 1999

## 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 Course Coordinator: Dr Raymond Lee (9351 9548)

Master's Course Coordinator: Martin Mackey (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:

- i) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study<sup>1</sup> 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 (Physiotherapy) applicants should normally have completed at least two years recent clinical experience.

'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.

### 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 Applied Science (Physiotherapy) is presented in Table 14.6.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

## Specialist Streams

If a student wishes to pursue a specialist stream of physiotherapy study, the following sections outline the proposed content and order of completion of specialised units in the sub-disciplines of Cardiopulmonary Physiotherapy, Neurological Physiotherapy, and Paediatric Physiotherapy.

### Cardiopulmonary Stream

			Total	Sem 1	Sem 2
EXSS5026	(22527)	Applied Physiology I		5	-
BIOS5035	(11480)	Advanced Respiratory Physiology		3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy		-	2
EXSS5024	(22525)	Advanced Cardiovascular Physiology		-	3
PHTY5056	(164D7)	Cardiopulmonary Physiotherapy A		4	-
PHTY5054	(164E3)	Cardiopulmonary Physiotherapy B		-	4
PHTY5070	(16508)	Scientific Investigation I		-	3
PHTY5074	(16512)	Scientific Investigation II		3	-
PHTY5084	(16518)	Clinical Cardiopulmonary Physiotherapy A		-	7
PHTY5086	(16520)	Clinical Practice I		5	-
		Behavioural Sciences elective (see List C)	3#		
		Approved elective(s) <sup>2</sup>	6#		

<sup>2</sup> Approved Electives in each semester may be chosen from the following examples:

COMH5034	(08450)	Occupational Health and Safety
HIMT5017	(09468)	Epidemiology
COMH5174	(08483)	Introduction to Gerontology
BEHS5141	(10459)	Motor Learning
EXSS5042	(22502)	Biomechanics I
EXSS5046	(22506)	Exercise and Rehabilitation I
BIOS4015	(11433)	Health, Dysfunction and Aging
EXSS5009	(22510)	Exercise and Rehabilitation H

For a full list see Appendix 1 Electives. In addition, units from other universities, other Faculties within the University of Sydney and within other Schools, maybe considered suitable as electives, subject to the approval of the Course Coordinator. Students may be permitted to apply for credit transfer in such units. Approved electives may be offered on campus, by distance (external mode), by block mode and/or a combination of modes of offer.

### Neurological Stream

BEHS5144	(10472)	Motor Performance & Learning		3	-
EXSS5020	(22521)	Mechanics of Human Movement		4	-
EXSS5026	(22527)	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

\* Will not be offered in 1999

## Paediatric Stream

BEHS5144	(10472)	Motor Performance and Learning	3	-
BEHS5079	(10547)	Psychology of Child Development* (or elective)	3	"
BEHS5048	(10548)	Psychology of Adolescent Development* (or elective)	3	
EXSS5021	(22521)	Mechanics of Human Movement	4	-
BIOS5035	(11480)	Advanced Respiratory Physiology	-	3
PHTY5089	(16523)	Independent Study in Physiotherapy B	-	3
PHTY5054	(164D3)	Paediatric Physiotherapy A*	4	-
PHTY5055	(164D5)	Paediatric Physiotherapy B*	-	4
PHTY5070	(16508)	Scientific Investigation I	3	-
PHTY5074	(16512)	Scientific Investigation II		3
PHTY5081	(16515)	Clinical Paediatric Physiotherapy A* Approved Elective (see List A, B, C or D)	-	7
PHTY5086	(16520)	Clinical Practice 1	5	-

\* Will not be offered in 1999

### Note

Clinical Paediatric Physiotherapy A involves two types of experience; visits to special units on one half day of each semester week, and one ten day clinical placement in a hospital, school or specialised clinic during the inter-semester break.

## Schedule of Special Stream Electives

Stream electives will not be offered each year.

Subject to minimum enrolments the following special stream electives will be offered in the years indicated. Special Stream Electives may be offered in distance mode and/or block mode.

1999

BIOS5035	11480	Advanced Respiratory Physiology	3	
BIOS5036	11481	Cardiopulmonary Anatomy		2
EXSS5024	22525	Advanced Cardiovascular Physiology		3
PHTY5056	164D7	Cardiopulmonary Physiotherapy A	4	
PHTY5059	164E3	Cardiopulmonary Physiotherapy B		4
PHTY5084	16518	Clinical Cardiopulmonary Physiotherapy A		7

# The semester in which the unit will be conducted may vary depending on enrolments.

Table 14.7 Master of Health Science (Physiotherapy) by Coursework

### Course

Code Mode of Offer

1644 Full-time mode; 3 semester

1645 Part-time mode; 6 semesters<sup>1</sup>

Credit Points 72 (minimum)

### Course Structure

This award will be granted upon completion of a minimum of 72 credit points as outlined below.

- 24 credit points must be completed from approved Physiotherapy units. (PHTYxxx/16\*\*\*)<sup>2</sup> 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)
- 24 credit points must be completed from List E (Master units). These will be taken after completion of the first 48 credit points.

			Total	Sem 1	Sem2
List A <sup>3</sup>					
PHTY5034	(16479)	Occupational Health I <sup>6</sup>		3	-
PHTY5035	(16480)	Occupational Health II <sup>6</sup>		-	3
PHTY5096	(16481)	Introduction to Ergonomics <sup>6</sup>		3	-
PHTY5060	(164E5)	Optimising Functional Motor Performance <sup>9</sup>		4	-
PHTY5070	(16508)	Scientific Investigation I <sup>4</sup>		-	3
PHTY5071	(16509)	Medical Sciences		-	2
PHTY5074	(16512)	Scientific Investigation IP		3	-
PHTY5086	(16520)	Clinical Practice I		5	-
PHTY5087	(16521)	Clinical Practice II		-	5
PHTY5088	(16522)	Independent Study in Physiotherapy A	2#		
PHTY5089	(16523)	Independent Study in Physiotherapy B	3#		
PHTY5090	(16524)	Independent Study in Physiotherapy C	4#		
PHTY5091	(16525)	Clinical Biomechanics for Physiotherapists		-	4
		Plus specialised units available in current year <sup>5</sup>			
ListB					
EXSS5026	(22527)	Applied Physiology I		5	-
EXSS5004	(22505)	Applied Physiology II		-	4
BIOS5026	(11455)	Anatomy and Biomechanics A		2	-
EXSS5023	(22523)	Anatomy and Biomechanics B		-	2
EXSS5027	(22528)	Clinical Biomechanics		-	2
EXSS5020	(22521)	Mechanics of Human Movement		4	-
BIOS5034	(11470)	Functional Anatomy		-	4
BIOS5035	(11480)	Advanced Respiratory Physiology		3	-
BIOS5036	(11481)	Cardiopulmonary Anatomy		-	2
EXSS5024	(22525)	Advanced Cardiovascular Physiology		-	3
		Plus other available electives			
ListC					
BEHS5030	(10458)	Psychology		-	1
BEHS5142	(10460)	Psychosocial Aspects of Sport		-	3
BEHS5144	(10472)	Motor Performance and Learning		3	-
BEHS5079	(10547)	Psychology of Child Development		3	-
BEHS5080	(10548)	Psychology of Adolescent Development		-	3
		Plus other available electives			

# The semester in which the unit will be conducted may vary depending on enrolments

#### ListD<sup>7</sup>

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 Appendix 1 Electives)

#### List E

COMH5136	(08576)	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 <sup>8</sup>		18	

#### Notes

Units in this course will be offered depending on sufficient enrolments. Physiotherapy units may be offered in alternate years.

<sup>1</sup> 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

<sup>2</sup> Must take two clinical units

<sup>3</sup> 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

<sup>4</sup> Master's students must enrol in Scientific Investigations I and II

<sup>5</sup> See schedule of Special Stream Electives below

<sup>6</sup> 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.

<sup>8</sup> Students enrolled in Full-time mode, must undertake Treatise in semester one only i.e. 18 credit point

<sup>9</sup> Will not be offered in 1999

## Master of Health Science (Physiotherapy) by Coursework

### Enquiries

Masters Course Coordinator: Martin Mackey (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 has completed courses appropriate to the area of study<sup>1</sup> 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 (Physiotherapy) applicants should normally have completed at least two years recent clinical experience.

<sup>1</sup>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/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 Outline

The course outline for the Master of Applied Science (Physiotherapy) is presented in Table 14.7.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

Table 14.8 Master of Applied Science (Physiotherapy) by Research

Course Code	Mode of Offer	Sem 1	Sem 2
<i>Year 1 (and subsequent years)</i>			
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		
<b>Full-time mode</b>			
<i>Year 1 (and subsequent years)</i>			
PHTY6014	(16503A) Research Thesis		
PHTY6015	(16503B) Research Thesis	-	-
<b>Part-time mode</b>			
<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 Appendix 1) and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis.

## 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 (93519385)

### 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<sup>1</sup> 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.

<sup>1</sup>Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

### Time Limits

The standard course comprises of both enabling preparatory work to support the research and research thesis. Students who enter the course with adequate research preparation may be exempt from completing some or all of the enabling components in preparation for their Master's Research Thesis, eg. research elective units and/or thesis workshops. Usually 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 14.8.

### Unit Descriptions

Refer to pages 14-20 to 14-25 for unit descriptions.

## Unit Descriptions

### **EXSS5024 (22525) Advanced Cardiovascular Physiology**

*Semesters 1 or 2 - 3 credit points*

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. This unit will not be offered until 1999.

### **BIOS5035 (11480) Advanced Respiratory Physiology**

*Semester 1 - 3 credit points*

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.

### **BIOS5026 (11455) Anatomy and Biomechanics A**

*Semester 1 - 2 credit points*

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.

### **EXSS5022 (22523) Anatomy and Biomechanics B**

*Semester 2 - 2 credit points*

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.

### **EXSS5026 (22527) Applied Physiology I**

*Semester 1 - 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.

**EXSS5004 (22505) Applied Physiology II***Semester 2 - 4 credit points**Pre-requisite Applied Physiology I (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.

**BIOS5036 (11481) Cardiopulmonary Anatomy***Semester 2 - 2 credit points*

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 in the anatomy laboratory, and by self-directed learning.

**PHTY5056 (164D7) Cardiopulmonary Physiotherapy A***Semester 1-4 credit points*

This unit will require the student to thoroughly investigate various cardiopulmonary interventions and their application to clinical practice. Each student will present a seminar based on the theoretical investigation of a specific cardiopulmonary intervention.

**PHTY5059 (164E3) Cardiopulmonary Physiotherapy B***Semester 2 - 4 credit points*

In this unit the knowledge gained in Applied Physiology I, Advanced Respiratory Physiology and/or Advanced Cardiac Physiology will be applied to specific case studies with the aim of forming a diagnosis for each case and identifying clinical problems and designing appropriate clinical intervention.

**EXSS5027 (22528) Clinical Biomechanics***Semester 2 - 2 credit points**Pre-requisite Mechanics of Human Movement (11468)*

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.

**PHTY5091 (16525) Clinical Biomechanics For Physiotherapists***Semester 2 - 4 credit points*

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.

**PHTY5084 (16518) Clinical Cardiopulmonary Physiotherapy A***Semester 2 - 7 credit points*

This unit will provide two weeks access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. In addition, students will observe and report on two clinical investigations chosen from a prescribed list.

**PHTY5076 (16513A) Clinical Management of Sports Injuries A***Semester 1 - 3 credit points**Co-requisite Clinical Sports Physiotherapy A***PHTY5077 (16513B) Clinical Management of Sports Injuries B***Semester 2 - 4 credit points**Pre-requisite Clinical Management of Sports Injuries A**Co-requisite Clinical Sports Physiotherapy B*

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.

**PHTY5072 (16510) Clinical Manipulative Physiotherapy A***Semester 1 - 9 credit points**Pre or Co-requisites Professional Skills in Manipulative Physiotherapy**A (164A7), Anatomy and Biomechanics A (11455)**Co-requisite 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.

**PHTY5073 (16511) Clinical Manipulative  
Physiotherapy B**

*Semester 2-9 credit points*

*Pre-requisite Clinical Manipulative Physiotherapy A (16510)  
Pre or Co-requisites Professional Skills in Manipulative  
Physiotherapy B (164A8), Anatomy and Biomechanics B  
(11456)*

*Co-requisite 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.

**PHTY5081 (16515) Clinical Paediatric  
Physiotherapy A**

*Semester 2 - 7 credit points*

This unit will provide the student with the opportunity to apply the principles and ideas in Paediatric Physiotherapy A and B within a clinical environment. Students will be expected to apply problem solving skills in a clinical situation. Thirty hours will be off-campus during the inter-semester break. Most of the remaining forty-two hours will be off-campus with students returning to campus to discuss clinical issues.

**PHTY5086 (16520) Clinical Practice I**

*Semester 1-5 credit points*

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.

**PHTY5087 (16521) Clinical Practice II**

*Semester 2 - 5 credit points*

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.

**PHTY5024 (16467) Clinical Reasoning A**

*Semester 1 - 2 credit points*

*Pre or Co-requisites Professional Skills in Manipulative  
Physiotherapy A (164A7), Anatomy and Biomechanics A  
(11455)*

*Co-requisite 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 co-requisite units. In this way, this unit provides a means for the integration of the other units studied.

**PHTY5025 (16468) Clinical Reasoning B**

*Semester 2 - 2 credit points*

*Pre-requisite Clinical Reasoning A (16467)*

*Pre or Co-requisites Professional Skills in Manipulative  
Physiotherapy B (164A8), Anatomy and Biomechanics B  
(11456)*

*Co-requisite 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 co-requisite units. In this way, this unit provides a means for the integration of the other units studied.

**PHTY5079 (16514A) Clinical Sports Physiotherapy A**

*Semester 1 - 5 credit points*

*Co-requisite Clinical Management of Sports Injuries A*

**PHTY5080 (16514B) Clinical Sports Physiotherapy B**

*Semester 2 - 5 credit points*

*Pre-requisite Clinical Sports Physiotherapy A*

*Co-requisite Clinical Management of Sports Injuries B*

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.

Note: Overseas physiotherapists can apply for registration or approval to practise during the course.

**PHTY5048 (164B3) Distinguished Scientist Series**

*Semester 1-3 credit points*

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.

**BIOS5034 (11470) Functional Anatomy**

*Semester 2 - 4 credit points*

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.

**COMH5136 (08576) History and Philosophy of  
Scientific Methodology**

*Semester 1 - 3 credit points*

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

**PHTY5088 (16522) Independent Study in  
Physiotherapy A**

*Semester 1 or 2 - 2 credit points*

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.

**PHTY5089 (16523) Independent Study in  
Physiotherapy B**

*Semester 1 or 2 - 3 credit points*

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.

**PHTY5090 (16524) Independent Study in  
Physiotherapy C**

*Semester 1 or 2 - 4 credit points*

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.

**PHTY4032 (16481) Introduction to Ergonomics**

*Semester 1 - 3 credit points*

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.

**EXSS5020 (22521) Mechanics of Human Movement**

*Semester 1 - 4 credit points*

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.

**BEHS5144 (10472) Motor Performance and Learning**

*Semester 1 - 3 credit points*

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.

**PHTY5085 (16519) Neurological Rehabilitation**

*Semester 2 - 4 credit points*

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.

**BIOS5028 (11457) Neurophysiology and  
Pharmacology**

*Semester 1-2 credit points*

This unit focuses on the motor and sensory systems of neurophysiology and recent scientific developments in these areas. Special emphasis is given to the neurophysiological bases of pain and pain modulation.

**PHTY5034 (16479) Occupational Health I**

*Semester 1 - 3 credit points*

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.

**PHTY5035 (16480) Occupational Health II**

*Semester 2 - 3 credit points*

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.

**PHTY5060 (164E5) Optimising Functional Motor  
Performance**

*Semester 1-5 credit points*

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.

**PHTY5054 (164D3) Paediatric Physiotherapy A**

*Semester 1-4 credit points*

This unit is designed to provide the student with an understanding of physiotherapy in the care of infants utilising recent relevant research findings. Students will study the analysis of infant dysfunction and the effect of environment. Unit content includes management of respiratory, musculoskeletal and nervous system disorders in neonates, infants. In addition, the unit includes management of applied biomechanics and human ecology as they relate to clinical practice in paediatrics.

**PHTY5055 (164D5) Paediatric Physiotherapy B**

*Semester 2 - 4 credit points*

This unit is designed to provide the student with an understanding of physiotherapy in the care of children and adolescents utilising recent relevant research findings. Unit content includes management of respiratory, musculoskeletal and nervous system disorders in children and adolescents plus care of children with special needs. Health promotion and well-being of children is also considered within the broader concepts of the community and health care systems. In addition, students will study applied biomechanics and human ecology

**PHTY5043(164A7) Professional Skills in Manipulative Physiotherapy A**

*Semester 1 - 7 credit points*

*Co-requisites 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.

**PHTY5044 (164A8) Professional Skills in Manipulative Physiotherapy B**

*Semester 2 - 7 credit points*

*PrB-requisite Professional Skills in Manipulative Physiotherapy A (164A7)*

*Co-requisites 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.

**BEHS5030 (10458) Psychology**

*Semester 2 - 1 credit points*

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.

**BEHS5080 (10548) Psychology of Adolescent Development**

*Semester 2 - 3 credit points*

This unit provides an overview and critical evaluation of theoretical approaches which attempt to explain adolescent development and adjustment. Aspects of physical growth and psychological changes will be examined together with factors affecting development and the impact of those changes. Discussion of cognitive and psychosocial development during adolescence will highlight interaction between the adolescent, self and society. Topics will include identity formation, relations with peers and family, sexuality and intimacy, body image and personality; the 'youth culture' and the role of the media. Adolescent health concerns will also be discussed including alcohol and drug abuse, STDs adolescent suicide.

**BEHS5079 (10547) Psychology of Child Development**

*Semester 1 - 3 credit points*

Biological factors, sociocultural expectations, life experiences, personal choices and chance events all contribute to the process of human development. This unit addresses theoretical and applied perspectives related to the study of child development and adjustment. The period of pregnancy (genetic and biological influences) and prenatal development are discussed together with psychosocial factors associated with pregnancy and the birth process. The period of infancy and childhood is examined and topics such as sensory, motor, cognitive and moral development are explored with reference to the effects of variation in attachment, class and culture. The development and function of play and its importance are highlighted together with social and emotional development including: sex, role development, friendship patterns and self-esteem and one's self-concept.

**BEHS5142 (10460) Psychosocial Aspects of Sport**

*Semester 2 - 3 credit points*

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 context.

**PHTY6014/PHTY6015 (16503A/16503B)**

**Research Thesis**

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 Co-ordinator 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.

**PHTY5070 (16508) Scientific Investigation I***Semester 2 - 3 credit points*

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.

**PHTY5074 (16512) Scientific Investigation II***Semester 1-3 credit points*

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.

**PHTY9003 (16900) 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.

**PHTY5097 (164E4) Topics in Neurological Physiotherapy***Semester 2 - 5 credit points*

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.

**PHTY5051/PHTY5052 (164B4A/164B4B) Treatise A/ Treatise B***Semester 1 and 2 - 18 credit points*

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.

**Additional unit descriptions**

Refer to Appendix 1 of the 1997 Postgraduate Handbook for descriptions of Research electives. Refer to Chapter 8 of the 1997 Postgraduate Handbook for descriptions of School of Community Health graduate electives. Refer to Chapter 10 of the 1997 Postgraduate Handbook for descriptions of School of Health Information Management graduate electives. Refer to Chapter 5 of the 1997 Postgraduate Handbook for descriptions of Department of Behavioural Sciences graduate electives. Refer to Chapter 6 of the 1997 Postgraduate Handbook for descriptions of Department of Biomedical Sciences graduate electives.

# 15 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.

### Masters 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.

Ph: 9 790 8793, Fax: 9 790 8392

Email: [M.Onslow@cchs.usyd.edu.au](mailto:M.Onslow@cchs.usyd.edu.au)

<http://www.cchs.usyd.edu.au/Academic/ASRC>

## National Voice Centre

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

### Voice Research Group - Faculty of Health Sciences

The Voice Research Group within the Faculty of Health Sciences is part of the National Voice Centre. Its 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

Postgraduate research programs offered include Master of Applied Science and Doctor of Philosophy. Full-time academic staff include Associate Professor Pamela Davis and Dr William Thorpe. Dr Stephen Cala, Department of Respiratory Medicine, Westmead Hospital is a research associate and involved with several existing research programs. Artistic advisors for postgraduate projects in performance areas are arranged through the National Voice Centre.

Current research projects include a study of the physiology of breathing movements in classical singing and flute playing, investigations into the role of respiration in emotional expression, the development of physiological based models of singing voice production and neural mechanisms in vocal control.

For enquiries contact the Director of the Centre, Associate Professor Pamela Davis.  
Ph: 9 351 9600, Fax: 9 3519390  
Email: [P.Davis@cchs.usyd.edu.au](mailto:P.Davis@cchs.usyd.edu.au)  
<http://www.cchs.usyd.edu.au/Academic/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.  
Ph: 9351 9466, Fax: 9351 9977  
Email: [Rehab@cchs.usyd.edu.au](mailto: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**

<i>Course</i>		
<i>Code</i>	<i>Mode of Offer</i>	
2403	Masters; Full-time	
2404	Masters; Part-time	
<i>Unit</i>		
<i>Code</i>	<i>Mode of Offer</i>	
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**

<i>Course</i>		
<i>Code</i>	<i>Mode of Offer</i>	
2103	Masters; Full-time	
2104	Masters; Part-time	
<i>Unit</i>		
<i>Code</i>	<i>Mode of Offer</i>	
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**

<i>Course</i>		
<i>Code</i>	<i>Mode of Offer</i>	
2303	Masters; Full-time	
2304	Masters; Part-time	
<i>Unit</i>		
<i>Code</i>	<i>Mode of Offer</i>	
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	

**Full-time Mode**

		<b>Total</b>	<b>Sem 1</b>	<b>Sem 2</b>
<i>Year 1</i>				
XXXXX	Research Thesis Preparation <sup>1</sup>			
XXXXX	Research Thesis Preparation <sup>1</sup>	.		
<i>Year 2</i>				
XXXXX	Research Thesis			
XXXXX	Research Thesis	-		

**Part-time Mode**

<i>Year 1</i>				
XXXXX	Research Thesis Preparation <sup>1</sup>			
XXXXX	Research Thesis Preparation <sup>1</sup>	-		
<i>Year 2</i>				
XXXXX	Research Thesis Preparation <sup>1</sup>			
XXXXX	Research Thesis Preparation <sup>1</sup>	-		
<i>Year 3</i>				
XXXXX	Masters Research Thesis			
		-		
<i>Year 4</i>				
XXXXX	Research Thesis Preparation <sup>1</sup>			
XXXXX	Research Thesis Preparation <sup>1</sup>	-		

Note

<sup>1</sup> In the thesis preparation it may be deemed appropriate, by the principal supervisor, for a student to enrol in graduate elective units.



# 16 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 co-ordinate 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.

## Off-Shore (Singapore-based)

**Table 16.1 Master of Health Science (Management)**

Course

Code Mode of Offer  
2012 Part-time; 3 years

### Part-time Mode

			Total	Sem 1	Sem 2
<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
<i>Stage Total</i>			<i>24</i>	<i>12</i>	<i>12</i>
<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
<i>Stage Total</i>			<i>24</i>	<i>12</i>	<i>12</i>
<i>Year 3</i>					
SING5010	(20509A)	Health Service Management Project A		12	
SING5011	(20509B)	Health Service Management Project B			12
<i>Stage Total</i>			<i>24</i>	<i>12</i>	<i>12</i>

## Master of Health Science (Management)

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.

### Unit Descriptions

#### SING5001 (20501) Organisational and Managerial Behaviour

##### *Semester 1 - 6 credit points*

Historical development of management and organisations; perspectives on organisations; individual and group behaviour; theories of organisation; organisational politics, culture, structure; organisational communication.

#### SING5002 (20502) Health Economics

##### *Semester 1 - 6 credit points*

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.

#### SING5003 (20503) Health Service Leadership and Change

##### *Semester 2 - 6 credit points*

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.

#### SING5004 (20504) Accounting and Financial Management for Health Service Managers

##### *Semester 2 - 6 credit points*

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.

### Year 2

#### SING5005 (20505) Health Service Marketing

##### *Semester 1-6 credit points*

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.

#### SING5006 (20506) Strategic Management and Planning

##### *Semester 1 - 6 credit points*

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.

#### SING5007 (20507) Health Sector Human Resource Management and Industrial Relations

##### *Semester 2 - 6 credit points*

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.

#### SING5008 (20508) Information and Decision Analysis

##### *Semester 2 - 6 credit points*

Computing and information analysis; decision analysis and control; Information systems development, management; decision support systems and EIS; health information management - sources, limitations, issues, principles.

### Year 3

#### SING5010 (20509A) Health Services Management Project A

##### *Semester 1 - 12 credit points*

Identify, develop, analyse and present a project on an approved health service management topic.

#### SING5011 (20509B) Health Services Management Project B

##### *Semester 2 - 12 credit points*

Identify, develop, analyse and present a project on an approved health service management topic.

# 17 Clinical Education (Fieldwork/ Professional Experience)

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 co-ordinators, 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, co-ordinator 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 U.S.A. and Canada where the coverage may be limited. The Properties Services Division should be advised if fieldwork is to be undertaken in U.S.A. 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, Head, School of Applied Vision Sciences (9351 9250).

### Counselling Support for Students on Clinical Placements

Students who feel that they have any personal/family issues which may impact negatively on their performance on clinical placements should contact either their Clinical Co-ordinator 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 93519473.

### Criminal Records Check

All health care workers, including students who undertake clinical professional training off 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 +61 2 9351 9250.

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 Sydney University Postgraduate Representative Association (SUPRA), 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*  
Blacktown  
Concord Repatriation General  
Lidcombe  
Liverpool  
Prince of Wales, Randwick  
Ryde Rehabilitation & Geriatric Service  
St George, Kogarah  
St Vincent's, Darlinghurst  
Sydney Eye, Woolloomooloo  
The New Children's Hospital, Westmead  
Westmead

*Country/Interstate*  
Gosford District  
Princess Alexandra, Woolloongabba  
Repatriation & General, Daw Park, Adelaide  
Repatriation & General, Greenslopes, Brisbane  
Royal Brisbane  
Wagga Wagga

Overseas

## **State Government Departments and Agencies**

Community Health Centres:

Kingswood

Western Sydney Developmental Disability  
Service, Marsden Campus

## **Community Agencies and Private Organisations**

Alice Betteridge School

Royal Blind Society of NSW - Enfield, Newcastle  
& Canberra

Royal Far West Children's Health Scheme, Manly  
Spastic Centre, Allambie Heights

## **Private Practitioners**

*Private Practices*

S Brunner

J Cumines

A Macfarlane

*Private Sponsored Practices*

M Awad, Y Makdissi - Dr S Franks

K Bourne - Dr F Martin

P Britz - Drs M Manku, C Joneshart, W Porter

Dr C Challinor

M Courtney - Drs I Goldberg & G Conn

JEUery-DrKChatfield

D Ferguson - Dr K Frumar

R Kay - Drs J Peters, J Dickson & C Thomas

R Keirnicky, K Pallett - Dr T Keldoulis

R Krikorian - Dr A Hunyor

R Lang - Drs C Baker, W Barnett & Moore

V Mercer - Drs D Sharota & L Dinihan

Dr W Muntz

J Richardson - Dr I Francis

M Rodkin - Gibb & Beeman, Optometrists

V Tosswill - M Strathdee

G van Beveren - Dr S Saunders .

## **School of Communication Sciences and Disorders**

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to the clinical education program December 1997 - December 1998 of the following agencies.

### **Public Hospitals**

*Metropolitan*

Bankstown/Lidcombe Hospital

Braeside Hospital

Camden Hospital

Campbelltown Hospital

Canterbury Hospital

Concord Hospital

Hornsby Kuringai Hospital

Lady Davidson Hospital

Liverpool BIU

Liverpool Hospital

Nepean Hospital

New Childrens Hospital

Prince Henry Hospital, Little Bay

Prince of Wales Hospital, Randwick

Royal North Shore Hospital, St Leonards

Royal Ryde Hospital

Royal Ryde Rehabilitation

St George Hospital, Kogarah

St Josephs Hospital, Auburn

St Vincent's Hospital

War Memorial Hospital, Waverley

Westmead Brain Injury Unit

### **Public Hospitals**

*Country/Interstate*

Armidale Hospital

Brainsdale Hospital, VIC

Bathurst Rehab Unit

Burnie Hospital, TAS

Cairns Base Hospital

Coffs Harbour Hospital

Goldcoast Hospital, Southport

Gosford Hospital

Goulburn Hospital

Illawarra Hospital

Launceston Hospital

Lithgow Hospital

Lourdes Hospital, Dubbo

Maitland Hospital

Moree Hospital

Mudgee Hospital

Nambour Hospital, QLD

Orange Base Hospital

Tamworth Base Hospital

The Canberra Hospital

Wagga Wagga Base Hospital

Wollongong Hospital

Wyong Hospital

### **Overseas**

Singapore General Hospital

St Vincent's Special Needs Service, USA

Glasgow Infirmary, Scotland

### **Department of Health**

Blacktown Community Health Centre

Burwood Community Health Centre

Cairns Community Health Centre

Chatswood Community Health Centre

Coffs Harbour Community Health Centre

Hawkesbury Community Health Centre

Hillview Community Health Centre

Hornsby Community Health Centre

Mt Druitt Community Health Centre

Penrith Community Health Centre

Queenscliff Community Health Centre

Sylvania Community Health Centre

Tamworth Community Health Centre

The Hills Community Health Centre

### **Department of Family and Community Services**

Bankstown Department of Community Service

Campbelltown Department of Community Service

Fairfield Department of Community Service

Northern Beaches Department of Community Service

Parramatta Department of Community Service

Southern Sydney Department of Community Service

### **Community Agencies and Private Organisations**

Alice Betteridge School, North Rocks  
Autistic Association, Kingsgrove  
Spastic Centre, Fairfield

### **Other Organisations**

Aged Care Service, Hobart  
Bowen Support Service, TAS  
Catholic Schools Office, Waitara  
Chigwell Primary School, Hobart  
Child Health, ACT  
ED Department Darwin  
ED Department, Devonport  
Mater Dei Special School, Campbelltown  
Mt Roskill Grammar School, NZ  
Shepherd Centre, NSW  
Wollongong Child Development Unit  
Wynnum Public School, QLD

### **School of Community Health**

The School of Community Health wishes to acknowledge the following organisations for their contribution to the 1998 Field Experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) courses and the Bachelor's Degree, Graduate Diploma and Master's Degree courses in Rehabilitation Counselling.

### ***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  
Dlawarra 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, S.A  
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 Is., 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, Carroona, NSW

#### **Drug and Alcohol Services**

Aboriginal Co-ordinating 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, SA  
 Aboriginal Business Enterprise Centre, Randwick, NSW  
 Aboriginal Dance Theatre, Strawberry Hills, NSW  
 Aboriginal Family Care Community Organisation, Bodalla, NSW  
 Aboriginal Hostels, Darlinghurst, NSW  
 Aboriginal Housing Company, Strawberry Hills, NSW  
 Aboriginal Legal Service, Blacktown, NSW  
 Aboriginal Legal Service, Strawberry Hills, NSW  
 Aboriginal Media Unit, Surry Hills, NSW  
 Aboriginal Student Support Parent Association Committee, Batemans Bay, NSW  
 ATSIC, Dubbo, NSW  
 Barriekneal Housing Company, Lightning Ridge, NSW  
 Batemans Bay Koori Centre, Batemans Bay, NSW  
 Bodella Aboriginal Housing Company LTD, Bodella, NSW  
 Boomanulla Oval, Narrabundah, ACT  
 Browns Flat Aboriginal Corporation, Nowra, NSW  
 Central Coast Aboriginal Health Action Group, Gosford, NSW  
 Cobar Aboriginal Advancement Association, Cobar, NSW  
 Gullama Aboriginal Services Centre, Alexandria, NSW  
 Gunaana Inc, Dubbo, NSW  
 Illawara United Aboriginal Corporation for Sport and Recreation, Wollongong, NSW  
 Innovative Youth Programme, Wooloongabba, QLD  
 Karringal Youth Crisis Centre, Croydon, NSW  
 Korri Aged Community Care, Narooma, NSW  
 Moree Aboriginal Legal Service, Moree, NSW

Mundarra Aboriginal Youth Service, Mt. Druitt, NSW  
 Murawina Mt. Druitt Aboriginal Child Care Program, Mt. Druitt, NSW  
 Murawina Multi Purpose Aboriginal Education Centre, Redfern, NSW  
 Pjunju, Minto, NSW  
 Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW  
 Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW  
 Rose Mumbler Village, Nowra, NSW  
 South Coast Aboriginal Centre, Nowra, NSW  
 South Coast Aboriginal Centre, Nowra, NSW  
 South Coast Aboriginal Legal Service, Nowra, NSW  
 South Coast Youth Movement Aboriginal Corporation, Nowra, NSW  
 Sydney Institute of Technology Eora Centre for Aboriginal Studies - Visual and Performing Arts, Chippendale, NSW  
 Towri Multi Functional Aboriginal Children's Service Centre, Bathurst, NSW  
 Wee Waa CDEP, Wee Waa, NSW  
 Wunabiri Pre-School Kindergarten, Surry Hills, NSW  
 Yalga Bimbi, Cairns, QLD  
 Yinganeh Womens Refuge, South Lismore, NSW

### **Community Organisations & Services**

A Woman's Place, Potts Point, NSW  
 Aboriginal and Torres Strait Islander Commission State Office, Sydney, NSW  
 Aboriginal Children's Service, Redfern, NSW  
 Aboriginal Children's 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 Department, North Region, Gosford, NSW  
 NSW Police Department, North West Region, Parramatta, NSW  
 NSW Police Department, South Region, Erskineville, 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

## **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 Units*

Ashfield; Bankstown; Blacktown; Darlinghurst; Dee Why;  
Epping; Granville South; Granville Vocational Unit;  
Hurstville; Liverpool; Maroubra; Miranda; Mt Druitt;  
Parramatta; Rockdale

##### *Country/Interstate Units*

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  
PEPGosford  
PEP Wyong  
Royal Blind Society, Orange  
Smart Rehabilitation, Wollongong  
Success at Work, Hobart TAS  
Workcover Bundaberg, Qld  
Workcover Gympie, Qld  
Workways, Canberra

## **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, Turrumura  
Sydney Children's, Randwick  
St. Joseph's, Auburn  
St. John of God, Burwood  
Rachel Forster, Redfern

#### *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 Advenrist, 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

#### **Commonwealth/State 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 Printing, Bondi  
Prime Care Pty Ltd

#### **School of Medical Radiation Technology**

The School of Medical Radiation Technology would like to recognise the following clinical centres for their invaluable assistance in the clinical education program.

#### **Diagnostic Radiography**

Border Medical Imaging, Albury  
Alice Springs Hospital, Alice Springs  
Armidale Radiology, Armidale  
Ashfield Medical Imaging, Ashfield  
Auburn District Hospital, Auburn  
Auburn Diagnostic Centre, Auburn  
Auburn Ultra scan, Auburn  
Bankstown Day Surgery And Specialist Centre, Bankstown  
Bankstown District Hospital, Bankstown  
Bankstown X-Ray & Ultrasound, Bankstown  
Dr KNeale, Bathurst  
Bathurst Base Hospital, Bathurst  
Baulkham Hills Private Hospital, Baulkham Hills  
Bega Hospital, Bega  
Act X-Ray Services, Belconnen  
Belmont Hospital, Belmont  
Blacktown Radiology, Blacktown  
Blacktown District Hospital, Blacktown  
Blacktown X-Ray Centre, Blacktown  
Sydney X Ray, Bondi Junction  
Bourke Hospital, Bourke  
Broken Hill Hospital, Broken Hill  
Calvary Hospital, Bruce  
Bulli District Hospital, Bulli  
South West Imaging, Cabramatta  
Camden Hospital, Camden  
Campbelltown Hospital, Campbelltown  
Lim & Associates, Campbelltown  
Royal Prince Alfred Hospital, Camperdown  
Canterbury District Hospital, Campsie  
Campsie Imaging, Campsie  
Sutherland Hospital, Caringbah  
Caringbah C T, Caringbah  
Castle Hill Radiology Centre, Castle Hill  
Cessnock District Hospital, Cessnock  
Coffs Harbour District Hospital, Coffs Harbour  
Concord Repatriation General Hospital, Concord  
St Vincent's Hospital, Darlinghurst  
St Vincent's Private Hospital, Darlinghurst  
John James Hospital, Deakin

Dee Why X-Ray And Ct, Dee Why  
 Dubbo Base Hospital, Dubbo  
 Orana Radiology, Dubbo  
 Eastwood X Ray Centre, Eastwood  
 Act X-Ray Services, Erindale  
 Fairfield X-Ray, Fairfield  
 Frenchs Forest X Ray, Frenchs Forest  
 Gold Coast Hospital, Gold Coast  
 Gosford District Hospital, Gosford  
 Gosford Radiology Centre, Gosford  
 Goulburn Hospital, Goulburn  
 Clarence Valley Imaging, Grafton  
 Grafton Base Hospital, Grafton  
 City Medical Imaging, Haymarket  
 Hornsby & Ku-Ring-Gai Hospital, Hornsby  
 Hurstville X-Ray & Ultrasound, Hurstville  
 Blue Mountains District Hospital, Katoomba  
 Kempsey Hospital, Kempsey  
 St George Hospital, Kogarah  
 St George Imaging Centre, Kogarah  
 Lakemba X Ray Centre, Lakemba  
 Launceston General Hospital, Launceston  
 Lidcombe Hospital, Lidcombe  
 Lismore Base Hospital, Lismore  
 North Coast Radiology, Lismore  
 Lithgow District Hospital, Lithgow  
 Liverpool Hospital, Liverpool  
 Rayscan Imaging, Liverpool  
 Ultrascan, Liverpool  
 Manly District Hospital, Manly  
 Merrylands X-ray Centre, Merrylands  
 Miranda Imaging, Miranda  
 Mona Vale Hospital, Mona Vale  
 Moree Hospital, Moree  
 Mt Druitt Hospital, Mt Druitt  
 Castlereagh Radiology, Mt Druitt  
 Ultrascan, Mt Druitt  
 John Hunter Hospital, Newcastle  
 Dr Whistler & Lee, Nowra  
 Parramatta Imaging, Nth Parramatta  
 Orange Base Hospital, Orange  
 Castlereagh Radiology, Penrith  
 Ultrascan, Penrith  
 Nepean Hospital, Penrith  
 Hastings District Hospital, Port Macquarie  
 Fairfield District Hospital, Prairiewood  
 Queenbeyan District Hospital, Queenbeyan  
 Act X Ray, Queenbeyan  
 Prince Of Wales Hospital, Randwick  
 Sydney X Ray, Randwick  
 Revesby X Ray Centre, Revesby  
 Riverstone X Ray Centre, Riverstone  
 Riverwood X Ray Centre, Riverwood  
 Ryde Hospital, Ryde  
 Shellharbour District Hospital, Shell Harbour  
 Royal North Shore Hospital, St Leonards  
 North Shore Medical Centre X-Ray, St Leonards  
 Strathfield Imaging Centre, Strathfield  
 Sutherland Hospital, Sutherland  
 Sutherland Imaging Centre, Sutherland  
 Sydney Hospital, Sydney  
 Tamworth Base Hospital, Tamworth  
 ManningiBase Hospital, Taree  
 Townsville Hospital, Townsville

Sydney Adventist Hospital, Wahroonga  
 Port Kembla District Hospital, Warrawong  
 Dr Hudson & Partners, Wentworthville  
 Westmead Radiology Centre, Westmead  
 Westmead Hospital, Westmead  
 Royal Alexandra Hospital For Children, Westmead  
 Westmead X-Ray, Westmead  
 Wetherill Park X-ray Centre, Wetherill Park  
 Hawkesbury Hospital, Windsor  
 Brindabella Radiology, Woden  
 The Canberra Hospital, Woden  
 Wollongong Hospital, Wollongong  
 Illawarra Radiology, Wollongong  
 Wonoona X-ray, Wonoona

### **Radiation Therapy**

Sydney Adventist Hospital  
 Central Coast Radiation Oncology Centre  
 Liverpool Hospital  
 Prince of Wales Hospital  
 Royal Hobart Hospital  
 Royal North Shore Hospital  
 Royal Prince Alfred Hospital  
 St George Hospital  
 St Vincents Hospital  
 Sydney Radiotherapy and Oncology Centre  
 Westmead Hospital  
 Wollongong Hospital

### **Nuclear Medicine**

Allamander Priv. Hospital  
 Ashley Centre  
 Auburn Nuclear Medicine  
 Bankstown Lidcombe Hospital  
 Brisbane Waters Private Hospital  
 Burwood Nuclear Medicine  
 Central Coast Nuclear Medicine  
 Central West Nuclear Medicine  
 Dee Why Nuclear Medicine  
 Diagnostic Nuclear Medicine RPAH Medical Centre  
 Dr Reg Hutchinson, Bondi Junction  
 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  
 John Hunter Hospital, Newcastle  
 Isotope Imaging, WA  
 John James Hospital, ACT  
 Launceston General Hospital, TAS  
 Liverpool Hospital  
 Mater Private Hospital  
 Missenden Medical Centre,  
 Nuclear Medicine and Ultrasound Associates, Penrith,  
 Windsor, Castle Hill, Blacktown, Westmead  
 North Coast Nuclear Medicine  
 Nth Coast Radiology, Lismore  
 Orange Base Hospital  
 PET Centre, A7 RPAH  
 Port Macquarie Medical Imaging Hermitage Building  
 POWH  
 Queensland X ray Services

Repatriation General Hospital, Concord  
 Royal North Shore Hospital  
 Royal Brisbane Hospital  
 Royal Perth  
 Royal Prince Alfred Hospital  
 RPAH Medical Centre  
 Ryde Medical Centre  
 Sydney Adventist Hospital  
 Sir Charles Gardner Hospital, WA  
 South West Nuclear Medicine  
 St Andrews War Memorial Hospital, QLD  
 St George Hospital  
 St George Nuclear Imaging  
 St George Private Hospital and Medical Centre  
 St Vincent's Hospital  
 Standish Medical Centre, Nowra  
 Sutherland Nuclear Medicine  
 The Canberra Hospital  
 The New Childrens Hospital  
 Wales Medical Centre, Randwick  
 Western Nuclear Medicine Group, Fairfield  
 Westmead Hospital  
 Wollongong Hospital

### **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 1998 Fieldwork Program for its students in the Bachelor of Applied Science (Leisure and Health) and the Bachelor of Applied Science (Occupational Therapy).

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)  
 Calvary 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 n 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  
 Cumberland College  
 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  
 N.S.W. Society for Children and Young Adults with Physical Disabilities  
 N.S.W. 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  
 WaratahNepean 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 Kurri  
 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 Junction  
 Health Centre - New Town (TAS)  
 Hobart Repat & GeneralHospital - Battery Point (TAS)  
 Interact Injury Management - Orange  
 Illawarra Occupational Health - WoUongong  
 Illawarra Child Development Centre - North WoUongong  
 IUawarra 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 - MtWarrigal  
 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 - U.S.A.  
 Nether Edge Hospital - Sheffield - England  
 Pinderfields General Hospital - England  
 St Joseph Hospital - U.S.A.  
 Scottish Hospital  
 Scottish Hospital, Aged Care Centre  
 The Arthritis Society - Vancouver  
 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 District  
 Balmain  
 Bankstown-Lidcombe  
 Black town District  
 Campbelltown  
 Canterbury  
 Concord  
 Fairfield District  
 Greenwich  
 Hornsby Kuring-Gai Hospital & Area Health Service  
 Lady Davidson, North Turrumurra  
 Liverpool  
 Lottie Stewart  
 Manly Hospital & Community Health Service  
 MtDruitt  
 Mona Vale  
 New Childrens Hospital  
 Prince Henry, Little Bay  
 Prince of Wales, Randwick  
 Rachel Forster, Redfern  
 Royal Hospital for Women, Paddington  
 Royal North Shore, St Leonards  
 Royal Prince Alfred, Camperdown  
 Ryde  
 St George, Kogarah  
 St Josephs, Auburn  
 St Vincent's, Darlinghurst  
 Sutherland Hospital, Caringbah  
 Sydney  
 Sydney Childrens Hospital  
 War Memorial, Waverley  
 Westmead

*Non Sydney*

*Metropolitan/Country/Interstate*

Albury Base  
Armidale and New England  
Bathurst Base  
Bulli District  
Calvary Hospital, Canberra  
Coffs Harbour and District  
Coledale District  
Condobolin District  
Cooma Base  
Dubbo Base  
Forbes  
Gold Coast Hospital  
Gosford District  
Goulburn Base  
Griffith Base  
"Homeleigh" WoUongong Community Rehabilitation Centre  
IUawarra Regional Hospital (WoUongong and PortKembla Campuses)  
John Hunter  
Kempsey  
Lismore  
Lithgow  
Maitland  
Manning Base, Taree  
Mater Misericordiae, Newcastle  
Mercy Care Centre, Young  
Mudgee District  
Nepean  
Orange Base  
Parkes  
Port Macquarie & Hastings District  
Repatriation General, Hobart  
Royal Newcastle  
Shellharbour  
Shoalhaven District Memorial, Nowra  
St Vincent's, Lismore  
Tamworth Base  
Tweed Heads  
Wagga Wagga Base  
Woden Valley, Canberra  
Woy Woy  
Wyalong District  
Wyong District

*Private Hospitals and Nursing Homes*

Mt. Wilga Private Hospital  
Sacred Heart Hospice  
Sydney Adventist Hospital

*Commonwealth Government Departments and Agencies*

ACT Community and Health Department (Infant and Child Services)  
Australian Institute of Sport (ACT)  
Belconnen Health Centre (ACT)  
Commonwealth Rehabilitation Service  
H.M.A.S. Penguin  
RAAF Richmond

**State Government Department and Agencies**

Department of Community Services  
- Bexley  
- Illawarra

**Community Agencies and Private Organisations**

Anglican Retirement Villages (MOWLL)  
Cumberland Health & Research Centre  
Hawkesbury District Health Service  
Merrylands Community Health Centre  
Multiple Sclerosis Society of NSW (Lidcombe)  
Royal Institute for Deaf & Blind Children - The Alice  
Betteridge School  
Spastic Centre (Ryde, Allambie Heights)

**Private Practitioners**

Albert Alonso  
Ian Austin  
David Bick  
Peter Buffen and Denny Shearwood  
Sue Cockcroft & Melinda Johnson  
Merryn Cooper  
Maria De Sousa & Heather Marr-Wyllie  
Gary Eastburn  
Sally Ewin  
Joel Werman  
Judith Furey  
Beverley Giovanelli & Kenneth Raupach  
Julie Godfrey  
Lesley Goff & Larry Wicks  
Suzanne Jones & Ashton Lucas  
Peter Knapman  
Sue Lovelock  
Gae Milazzo  
Amanda Mussett & Tracey Powell  
Louise O'Connor & Roger Fitzgerald  
Grant Pleffer  
Neil Potter  
JeffPross  
Rosemary Prosser  
Phillip Richardson  
John Roberts  
Keiran Rooney  
Greg Sheather  
Elizabeth Steet & Mark Bevan  
Colin Thompson  
Lisa Tomlinson-Alonso  
Beverley Trevithick  
Margaret Turner  
Graham Vankan & Jenny Aiken  
Gordon Waddington  
Hilary Waldman  
Sandra Walker  
Stuart Waters  
Carolyn Young  
David Young



# 18 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.

## Childcare

An on-campus child care centre for children aged between 0 - 6 years is available. For further information call 9 749 7575.

## 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 telephone 9 351 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 9 351 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 12.00 noon and 2.00 pm.

## Cumberland Student Guild

At enrolment all students pay for membership to the Student Guild, a student representative body. 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).

## Guild Facilities

The following facilities are provided on campus by the Guild:

- 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.

## Guild Office

Advice on Guild programs and facilities is available at the Guild Service Centre, located in the Guild Shop, open daily during semesters from 8.30am to 6.00pm. Enquiries can be made on 9 351 9099, or fax 9 351 9971. The Guild is the authorised uniform supplier for the Schools of Occupational Therapy, Orthoptics and Physiotherapy, and the Faculty of Nursing (Cumberland).

## Student Representation

The Guild supports student representatives on various Faculty committees, and also individuals and student groups on academic rights issues. The Guild's Management Committee represents the interests of all students on campus. Any student can nominate for election as a student representative.

## Student Resources and Support Services

These include:

- The Resource Officer (and a Discrimination Adviser), located on level 3, Guild Building, helps with Youth Allowance and Austudy matters, academic appeals and Show Cause submissions, as well as welfare matters.
- The Activities/Sports and Recreation Officer, who manages the Sports Centre, organises 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 toward 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 the monthly student newspaper, *Corpus Callosum*, the *Clubs and Societies Manual* and the *Student Guild Diary*.
- The Guild website is located at <http://www.csg.org.au> and offers further details on many of the services mentioned above. Alternatively the Guild can be emailed at [contact@csg.org.au](mailto: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.

## 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 9 351 9638 or 9 351 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 9 351 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 9 351 9631 or 9 351 9319, or reception on 9 351 9638 or fax 9 351 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 9 351 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 82,000 books and videos and 1,000 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 OP AC (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 (Phone: 9351 9437)

Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk (Phone: 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

*Semester*

Mon to Thurs	8.00 am - 10.00 pm
Fri	8.00 am - 6.00 pm
Sat	9.00 am - 4.00 pm
Sun	1.00 pm - 5.00 pm

*Inter-Semester*

Mon to Fri	9.00 am - 5.00 pm
Sat and Sun	Closed

For more information about the Library collection and services, including remote access instructions to the OP AC, see the Home Page set up at:

<http://www.cchs.su.edu.au/Admin/lib/library.html>

A detailed list of the various databases available can be found at:

<http://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 9351 9634 or fax 9351 9635.

## Language and Learning Unit (LLU)

The Language and Learning Unit is located in D115 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. There is a writing workshop equipped with computers for student use. These can be booked for 2 hour periods. 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 (<http://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. Telephone 9351 9631 or 9 351 9319 or call Student Welfare Services on 93519638. The fax number is 9 351 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.

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.

## 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 permit 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 telephone 9 351 9638.

## Spotting 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 Supervisor on 9 351 9405.

## Student Welfare Services (SWS)

Student Welfare Services is concerned with the general welfare of all students on Cumberland Campus. Students may seek advice and assistance on any issue related to or impacting on their academic study, clinical placements, or life on campus. Student Welfare Services mirrors the services provided by Student Services on the Camperdown Campus with the exception of accommodation and casual work which are managed at Cumberland by the Student Guild. Student Welfare Services provides a high level of academic and personal support services through the activities of advising, facilitating, teaching, counselling and mediating in order to assist students to succeed in their studies, and to benefit from and enjoy the University, campus and clinical placement experience. Lecturers are invited to contact Student Welfare Services for further information and to refer students for assistance. Specialised services within Student Welfare Services are the Language and Learning Unit, English language tuition, International Student Advisory Service, Peer Tutoring Service, Disability Services, Financial Assistance, and the Counselling Service (see details under separate headings). Contact numbers are: telephone 9351 9638 and fax 9351 9635, email [r.mckenzie@cchs.usyd.edu.au](mailto:r.mckenzie@cchs.usyd.edu.au) or [a.chan@cchs.usyd.edu.au](mailto:a.chan@cchs.usyd.edu.au). Office hours are 9.00-5.00 during semester and vacations.

**Please note:** Student Welfare Services will move to A Block (ground floor) during the first half of 1999. Until then, SWS is located in D Block, between the tennis courts and the Sports Centre.

## Travel Concessions

Details of travel concessions are available from the Student Enquiry Counter, Administration Building.

# 19 Senate Resolutions

As at 1 November, 1998

## Degrees, Diplomas and Certificates in the Faculty of Health Sciences

1. The degrees in the Faculty of Health Sciences shall be:
  - (a) Bachelor of Applied Science (BAppSc)
  - (b) Bachelor of Behavioural Health Science (BBHSc)
  - (c) Bachelor of Health Science (BHlthSc)
  - (d) Master of Applied Science (MAppSc)
  - (e) Master of Communication Disorders (MCommDis)
  - (f) Master of Health Science (MHlthSc)
  - (g) Master of Health Science Management (MHlthSc(Mment))
  - (h) Master of Occupational Therapy (MOT)
  - (i) Master of Rehabilitation Counselling (MRehabCIng)
  - (j) Doctor of Philosophy (PhD).
2. The diplomas and certificates in the Faculty of Health Sciences shall be:
  - (a) Diploma of Health Science (DipHlthSc)
  - (b) Graduate Diploma of Health Science (GradDipHlthSc)
  - (c) Graduate Diploma in Rehabilitation Counselling (GradDipRehabCIng)
  - (d) Graduate Certificate in 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) Medical Radiation Technology
  - (f) Occupational Therapy
  - (g) Orthoptics
  - (h) Physiotherapy
  - (i) Speech Pathology.

2.
  - (1) The degree of Bachelor of Applied Science may be awarded in the grade of Honours degree in the following areas:
    - (a) Exercise and Sport Science
    - (b) Health Information Management
    - (c) Leisure and Health
    - (d) Medical Radiation Sciences
    - (e) Medical Radiation Technology
    - (f) Occupational Therapy
    - (g) Orthoptics
    - (h) Physiotherapy
    - (i) Speech Pathology.
  - (2) There shall be three classes of honours, namely Class I, Class II, and Class III.
  - (3) Within Class II there shall be two divisions namely Division 1 and Division 2.
  - (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3.
  - (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.

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 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 HI  
 Exercise Testing and Prescription I  
 Exercise Testing and Prescription II  
 Sports Biomechanics I  
 Sports Biomechanics II  
 Research Methods  
 Exercise and Rehabilitation I  
 Exercise and Rehabilitation II

#### **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  
 Medical Terminology II  
 Communication  
 Professional Experience IA  
 Professional Experience IB  
 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 HA  
 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 DA  
 Basic Human Biology IIB

**Year 3**

---

Research Project A  
 Research Project B  
 Financial Management in Health Care  
 Medical Science II  
 Medical Science III  
 Epidemiology  
 Professional Experience IDA  
 Professional Experience IHB

Clinical Classification IDA  
 Clinical Classification DIB  
 Human Resource Management  
 Health Care Evaluation  
 Management Principles II  
 Medico-Legal Principales It  
 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

*Year2*

---

Clients, Practitioners and Organisations  
 Psychology of Disability I  
 Psychology of Disability II  
 Research Methods I  
 Biological Sciences HA  
 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 IHA  
 Biological Sciences DIB  
 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 (3 year full-time)**

*Year 1 - As for Pass Course*

---

*Year 2 - As for Pass Course*

---

*Year 3 - As for Pass Course plus:*

---

Honours Research Seminar I

*Year 4*

---

Honours Research Seminar II  
 Honours Thesis  
 Research Elective\*

**TABLED- MEDICAL RADIATION SCIENCES**

**D.1 - Pass Course (3 year full-time)**

*Year 1 (to be first offered in 1999)*

---

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 II  
 Introductory Radiation Biology and Protection  
 Sectional Anatomy  
 Medical Ethics and Professional Issues  
 PLUS  
 Radiographic Physics  
 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 Physics 3  
Sonography A  
Radiographic Pathology 2  
Clinical Education 3A  
Radiographic Physics 3B  
Clinical Education 4A  
Radiography Electives\*  
Elective Studies\*  
OR  
Nuclear Medicine Physics 3  
Nuclear Medicine 3A  
Sonography A  
Clinical Education 3B  
Nuclear Medicine 3B  
Clinical Education 4B  
Elective Studies\*  
OR  
Oncology B  
Radiation Therapy Physics 3  
Radiation Therapy 3A  
Clinical Education 3C  
Radiation Therapy 3B  
Seminars in Radiation Therapy  
Clinical Education 4C  
Elective Studies\*

Notes

# Radiography electives - choose 2 of the following:

Seminars in Diagnostic Radiography  
Management Skills in the Health Professions  
Interventional Techniques  
Sports Injury Imaging  
Paediatrics  
Operative Radiography  
Functional Brain Imaging

\* 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

1. Physics Electives:  
Medical Radiation Sciences Physics Elective  
Clinical Physics
2. Sonography B

3. 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
4. Biomedical Science Electives  
Embryology  
Neurology

**D.2 - Honours Course (4 year full-time)**

*Years 1 and 2 - As for Pass Course*

---

*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 (to be first offered in 1999)*

---

Introduction to Health Sociology  
Introductory Psychology  
Cognitive Functioning  
Introductory Biomedical Sciences  
Body Function 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 HA  
Human Occupations IIB  
Components of Occupational Performance HA  
Components of Occupational Performance IIB  
Occupational Therapy Theory and Process HA  
Occupational Therapy Theory and Process IIB  
Occupations and Roles Across the Lifespan II  
Professional Practice II  
Electives\*

**Year 3 (to be first offered in 2001)**

Health, Medicine and Society  
Applied Physiology  
Human Occupations EI  
Components of Occupational Performance HI  
Occupations and Roles Across the Lifespan III  
Occupational Therapy Theory and Process IE  
Professional Practice HI  
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 IH  
Components of Occupational Performance HI  
Occupational Therapy Theory and Process EI  
Occupations and Roles Across the Lifespan HI  
Applied Physiology  
Research Elective\*  
Honours Research Seminar I  
Professional Practice HI  
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 DA  
Behavioural Science IIB  
Research Methods II: Data Analysis and Statistics  
Research Methods I  
Introductory Pathology  
Ocular Biology  
Visual Neurobiology  
Concomitant Strabismus B  
Instrumentation DA  
Instrumentation IIB  
Concomitant Strabismus A  
Disorders of the Visual System HA  
Disorders of the Visual System IIB  
AND  
Clinical Studies HA.  
OR  
Clinical Studies IIB

**Year 3**

Bio-electrical Signals and Computing  
Embryology and Neuro Plasticity  
Clinical Studies HI  
Clinical Project  
Ocular Motility Disorders I  
Disorders of the Visual System EI  
Rehabilitation Studies I  
Instrumentation EI  
Elective Study

**Year 4**

Visual Science  
Ocular Motility Disorders II  
Disorders of the Visual System TV  
Rehabilitation Studies n  
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 Neuro Plasticity  
Clinical Studies EI  
Ocular Motility Disorders I  
Disorders of the Visual System m  
Rehabilitation Studies I  
Instrumentation EI  
Clinical Project (Honours)  
Research Proposal Part A  
Research Proposal Part B

### *Year 4*

---

Visual Science  
Ocular Motility Disorders II  
Disorders of the Visual System IV  
Rehabilitation Studies n  
Professional Studies  
Research Thesis Part A  
Research Thesis Part B  
Clinical Studies IV

## **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  
Physiotherapy Practice I  
Kinesiology I

#### *Year 2 (to be first offered in 1999)*

---

Research Methods II: Analysis  
Introduction to Health Sociology  
Social and Health Psychology  
Body Systems II  
Neurobiology II  
Cardiopulmonary Physiotherapy I  
Electrophysical Agents II  
Musculoskeletal Physiotherapy II  
Physiotherapy Practice II  
Clinical Education I  
Clinical Education II  
Biomechanics

#### *Year 3 (to be first offered in 2000)*

---

Sociology of Clients, Practitioners and Organisations  
Body Systems DI  
Cardiopulmonary Physiotherapy II  
Musculoskeletal Physiotherapy HI  
Physiotherapy in Neurology I  
Paediatrics  
Physiotherapy Practice III  
Exercise and Health  
Clinical Education EH  
Applied Physiology

#### *Year 4 (to be first offered in 2001)*

---

Psychopathology and Behaviour Change  
Society, Policy and Health  
Clinical Education IVA  
Clinical Education IVB  
Evidence Based Practice  
Complex Cases  
Elective  
Advanced Manipulation Skills  
Physiotherapy in Neurology EC  
Clinical Education IVC  
Clinical Education TVD

### **G.2 - Honours Course (4 year full-time)**

#### *Years 1 and 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 IK  
Physiotherapy in Neurology I  
Paediatrics  
Physiotherapy Practice III  
Exercise and Health  
Clinical Education Ed  
Research for Physiotherapists  
Applied Physiology

#### *Year 4 (to be first offered in 2001)*

---

Psychopathology and Behaviour Change  
Society, Policy and Health  
Honours Thesis  
Complex Cases  
Advanced Manipulation Skills  
Physiotherapy in Neurology II  
Clinical Education IVC  
Clinical Education IVD  
Clinical Education EIIHA  
Clinical Education EIIHB  
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 HA: Clinical Skills  
Professional Development IIB: Clinical Skills  
Phonetics H  
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 HI  
Professional Development HI: 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 LA  
Advanced Speech Pathology Clinical LIA  
Group B  
Advanced Topics B  
Professional Development IVB: Advanced Issues  
Advanced Speech Pathology Clinical IB  
Advanced Speech Pathology Clinical LIB

### 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 LI  
Communication Impairments in Special Populations  
Swallowing Impairments  
Intermediate Speech Pathology: Clinical mH  
Audiological Management LI  
Craniofacial Anomalies  
Language Impairments in Children HI  
Honours Research Seminar I: Literature Review  
Professional Development LUH: Management Skills  
Intermediate Speech Pathology Clinical HH  
Honours Research Seminar II: Research Proposal

#### Year 4

---

Advanced Speech Pathology Clinical LH  
Professional Development IVH: Advanced Issues  
Advanced Speech Pathology Clinical HH  
Honours Thesis

### Bachelor of Behavioural Health Science

1. The degree of Bachelor of Behavioural Health Science may be awarded in the grade of Pass degree.
2. (1) The degree of Bachelor of Behavioural Health Science may be awarded in the grade of Honours degree.  
(2) There shall be three classes of honours, namely Class I, Class II, and Class III.  
(3) Within Class II there shall be two divisions, namely Division 1 and Division 2.  
(4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that Candidate shall receive a bronze medal.

3. (1) a unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school or department concerned.
- (2) The words 'to complete a unit' and derivative expressions mean:
  - (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
  - (b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.
  - (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a Head of School, Department, or Centre subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a Head of School, Department, or Centre may, in their discretion, in any particular case:
  - (a) exercise the power,
  - (b) exercise the power conditionally, or
  - (c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
- (2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School, Department, or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.
8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following table.

## **Table A - Behavioural Health Science**

### **A.1 - Pass Course (3 year full-time)**

#### ***Year 1 (to be first offered in 1999)***

---

Introduction to Health Psychology  
 Social Psychology and Communication  
 Introduction to Health. Sociology  
 Clients, Practitioners and Organisations  
 Professional Practice and Ethics I  
 Microcomputer Applications  
 Human Anatomy and Physiology A  
 Human Anatomy and Physiology B  
 Elective Studies\*

#### ***Year 2 (to be first offered in 2000)***

---

Health Psychology  
 Abnormal Behaviour  
 Behaviour Management  
 Disability Studies  
 Cognitive Functioning  
 Social Theory  
 Research Methods I: Design  
 Research Methods II: Data Analysis and Statistics  
 Organisational Studies  
 Human Resource Management  
 Psychology Electives+  
 Sociology Elective\*  
 Elective Studies\*

OR

Health Sociology  
 Abnormal Behaviour  
 Disability Studies  
 Social Theory  
 Health Policy and Service Delivery  
 Research Methods I: Design  
 Research Methods II: Data Analysis and Statistics  
 Organisational Studies  
 Human Resource Management  
 Psychology Electives+  
 Sociology Elective\*  
 Elective Studies\*

#### ***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 Electives\*  
 Psychology Elective+  
 Elective Studies\*

OR

Health Sociology  
 Health Policy Development  
 Workplace Attachment  
 Professional Practice and Ethics II  
 History and Philosophy of Scientific Methodology  
 Sociology Electives\*  
 Psychology Elective+  
 Elective Studies\*

- \* Sociology Electives
  - Sociology of Community and Family
  - Psychosocial Aspects of Recreation and Sport
  - Sociology of the Aged and Aging
  - Culture, Health, and Illness
  - Alternative Medicine
  - Death and Dying

- + Psychology Electives
  - Life Span Psychology and the Family
  - Advanced Counselling
  - Psychology of Sport and Exercise Adherence
  - Brain and Cognition
  - Psychology of Motor Behaviour

# Elective Studies may be taken from within or outside the Faculty of Health Sciences, subject to availability and prerequisites. Students must discuss their electives with their academic advisor prior to enrolment.

#### A.2 - Honours Course

*Year 1 to Year 3 - As for Pass Course*

*Year 4 (to be first offered in 2002)*

- Research Project
- Research Elective<sup>©</sup>
- Honours Electives<sup>A</sup>
- Sociology I

- ® Research Electives
  - Intermediate Statistics
  - Qualitative Research Methods
  - Survey Research Methods

- A Honours Electives
  - Abnormal Psychology and Mental Health
  - Addictive Behaviours
  - Cognitive Function in Neurological Disorders
  - Organisational Psychology
  - Stress and Coping
  - Stress and Disability
  - Disability and the Community
  - Ethnic Minorities and Health Care in Australia
  - Health and Cultural Pluralism
  - Occupational Health and Stress
  - Organisational Structures in Health Contexts

#### Bachelor of Health Science

1. The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
  - (a) Aboriginal Health and Community Development
  - (b) Hearing and Speech
  - (c) Rehabilitation Counselling
  - (d) Nursing \*
  - (e) Occupational Therapy \*
  - (f) Physiotherapy \*
  - (g) Medical Radiation Technology \*
- \* Singapore Conversion Courses.
2. (1) The degree of Bachelor of Health Science may be awarded in the grade of Honours degree in:
  - (a) Aboriginal Health and Community Development
  - (b) Hearing and Speech
  - (c) Rehabilitation Counselling

(2) There shall be three classes of honours, namely Class I, Class II, and Class IQ.

(3) Within Class II there shall be two divisions, namely Division 1 and Division 2.

(4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.

3. (1) a unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school or department concerned.

(2) The words 'to complete a unit' and derivative expressions mean:

(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and

(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

4. Where in these resolutions a power is given to the Faculty or a Head of School, Department, or Centre subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a Head of School, Department, or Centre may, in their discretion, in any particular case:

(a) exercise the power,

(b) exercise the power conditionally, or

(c) decline to exercise the power.

5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

(2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.

6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School, Department, or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.

7. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.

8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following table.

**Table A - Aboriginal Health and Community Development**

**A.1 - Pass Course (4 year full-time block attendance plus off-campus)**

<i>Year 1</i>
Perspectives in Indigenous Health I Community Development I Introduction to Counselling Skills Primary Health Care I Biological Sciences I Drugs and Alcohol I Communication Studies I Field Education I
<i>Year 2</i>
Perspectives in Indigenous Health II Counselling Theory and Methods A Primary Health Care II Community Development n Health and Human Behaviour I Biological Sciences II Alcohol and Other Drugs II Field Education II
<i>Year 3</i>
Indigenous Community Health Project A (Planning) Research Elective IDA Research Elective IIB Electives Field Education HI
<i>Year 4</i>
Indigenous Community Health Project B Electives Field Education W

**A.2 - Honours Course (4 year full-time)**

**year 1 to Year 3-As for Pass Course**

<i>Year 4 -As for Pass Course plus</i>
Indigenous Community Health Project B Research Elective TVA Research Elective IVB Research Thesis A Research Thesis B Research Stream Electives Epidemiology* Introduction to Health Research* Participant Observation and Ethnography <sup>2</sup> Action Research* Research Seminar <sup>1</sup> Quantitative Research Methods <sup>2</sup> Historical Research <sup>2</sup> Social Research <sup>2</sup> Counselling and Indigenous Mental Health Stream Counselling Theory and Methods II Family Therapy <sup>2</sup> Group Processes and Counselling <sup>1</sup> Art Therapy* Alcohol and Other Drugs Counselling <sup>1</sup> Issues in Indigenous Mental Health <sup>2</sup> Addictions Counselling*

Counselling with Art Therapy <sup>2</sup> Wellness <sup>1</sup> Health and Human Behaviour IP Indigenous Community Development and Management Stream Communication in Indigenous Communities <sup>2</sup> Health Computing* Community Development HI <sup>2</sup> Community Development TV <sup>1</sup> Health Management Theory* Health Management Practice <sup>2</sup> Health Planning, Policy and Evaluation I <sup>2</sup> Computer Skills in the Media <sup>2</sup> The Health Worker and the Law <sup>2</sup> Indigenous Health Information Management <sup>2</sup> Health Planning, Policy and Evaluation II <sup>2</sup> Primary Health Care and Health Promotion Stream Perspectives in Indigenous Health TV <sup>2</sup> Nutrition and Lifestyle <sup>2</sup> Contemporary Issues in Health Law, and Medicine <sup>1</sup> Health Promotion for Indigenous Communities IP Health Promotion for Indigenous Communities EI* Multiculturalism and Indigenous Issues <sup>1</sup> Ethics* Health Promotion for Indigenous Communities I* Primary Health Care EI Art and Media in Indigenous Health Promotion <sup>1</sup> Early Disease Intervention for Aboriginal Health Workers in Remote Areas A <sup>2</sup> Early Disease Intervention for Aboriginal Health Workers in Remote Areas B <sup>1</sup> Skills for Teaching Health <sup>2</sup> Biological Sciences EI <sup>2</sup> Biological Sciences IDA <sup>2</sup> Indigenous Environmental Health and Housing Stream Housing and Environmental Health <sup>1</sup> Issues in Housing and Environment Health <sup>2</sup> Indigenous Health and Housing <sup>1</sup>
---

Notes

<sup>1</sup> or <sup>2</sup> Indicates semester presentation.  
Not offered in 1999.

**Table B Hearing and Speech**

**B.1 - Pass Course (3 years full-time)**

<i>Year 1 (to be first offered in 1999)</i>
Introductory Psychology Cognitive and Development Psychology Research Methods I: Design Disorders and their Management Introductory Human Biology Introductory Neurobiology Neurobiology I Hearing Science Speech Science I Speech Science II Linguistics Professional Development I: Introduction to Clinical Learning Phonetics I Normal Communication Development Articulation and Phonology

*Year 2 (to be first offered in 2000)*

Cognitive Neuropsychology I  
Research Methods II: Data Analysis and Statistics  
Neurobiology II for Communication Disorders  
Voice Science and Disorders  
Language Impairments in Children I  
Language Impairments in Children II  
Stuttering  
Professional Development DA: Clinical Skills  
Professional Development HB: Clinical Skills  
Phonetics II  
Audiology I  
Audiological Management I  
Speech and Language Impairments of Neurological Origin I  
Communication Disorders Clinical I  
Communication Disorders Clinical 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 HI  
Professional Development HI: Management Skills  
Audiology II  
Craniofacial Anomalies  
Communication Disorders Clinical HI  
Communication Disorders Clinical 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 (to be first offered in 1999)*

Rehabilitation Counselling IA  
Rehabilitation Counselling IB  
Vocational Rehabilitation HA  
Vocational Rehabilitation HB  
Case Management and Rehabilitation Planning I  
Case Management and Rehabilitation Planning H  
Occupational Health, Disability and Rehabilitation A  
Occupational Health, Disability and Rehabilitation B  
Professional Practice H  
Rehabilitation Psychology HA  
Rehabilitation Psychology HB  
Research Methods H: Data Analysis and Statistics  
Pathophysiology and Pharmacology A  
Pathophysiology and Pharmacology B

*Year 3 (to be first offered in 2000)*

Rehabilitation Counselling HA  
Rehabilitation Counselling HB  
Vocational Rehabilitation HIA  
Vocational Rehabilitation HIB  
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 H (from Gp. A)  
Elective HI (from Gp. A or B)  
Elective IV (from Gp. A or B)  
Professional Practice HI  
Philosophy and Politics of Disability and Rehabilitation  
Behaviour Disorders and Management

*Year 4 (to be first offered in 2001)*

Rehabilitation Counselling MA  
Rehabilitation Counselling HIB  
Group Research Project  
Research Methods: Intermediate Statistics  
Elective V (from Gp. A)  
Elective VI (from Gp. A or B)  
Elective VH (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 HIA  
Rehabilitation Counselling HIB  
Professional Practice IV  
Thesis

**Table D - Medical Radiation Technology\*,  
Nursing\*, Occupational Therapy\*,  
Physiotherapy\*  
(\* Off-Shore Singapore  
Conversion Course)**

**D.1 - Common Subjects (2 year part-time)**

*Years 1 and 2*

The Nature of Health Care Delivery  
Ethical Dimensions of Health Care Delivery  
Psychology of Teaching and Learning  
Research Methods 1  
The Legal Perspective  
Patient/Client Education  
Research Methods 2  
Pathophysiology  
Sociology of Work and Organisations  
Financial Management in the Health Services  
Sociology of Client/Practitioner Relationships

**D.2 - Medical Radiation Technology**

**Common Subjects**

PLUS  
Department Designs and Safety Issues  
Computer Communications in Medical  
Radiation Technology  
Management of Equipment Selection

**D.3 - Nursing**

**Common Subjects**

PLUS  
Health Assessment  
Management in Nursing  
Advanced Clinical Studies

**D.4 - Occupational Therapy**

**Common Subjects**

PLUS  
Components of Occupational Performance  
Occupational Therapy Theory and Process  
Evaluation of Occupational Therapy Programs

**D.5 - Physiotherapy**

**Common Subjects**

PLUS  
Evaluation in Physiotherapy  
Topics in Physiotherapy Management  
Advanced Physiotherapy Studies

**Table E - Medical Radiation Technology\*,  
Occupational Therapy\*,  
Physiotherapy\*  
(\* On-Shore Singapore  
Conversion Course)**

**E.1 - Medical Radiation Technology**

*Year 1*

Behavioural Science IDA  
Behavioural Science JLUb  
Radiation Protection  
Radiation Biology

Image Processing A  
Image Processing B  
Field Project A  
Field Project B  
PLUS  
Sonography A  
Sonography B  
Imaging HA  
Imaging HB  
Radiography HA  
Radiography IIB  
Radiographic Pathology II  
Contrast Media  
OR  
Radiation Therapy DA  
Radiation Therapy IIB  
Radiotherapy Physics HA  
Radiotherapy Physics HB  
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 HI  
Musculoskeletal Physiotherapy IV  
Topics in Physiotherapy IV  
Research and Investigation II  
Research and Investigation HI  
Clinical Education HIB  
Clinical Education EC

## Master Degrees

### Subject areas

1. (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 Technology
  - (x) Occupational Therapy
  - (xi) Orthoptics
  - (xii) Physiotherapy
  - (xiii) Rehabilitation
  - (xiv) Rehabilitation Counselling
  - (xv) Stuttering
  - (xvi) Voice
- (2) The degree of Master of Health Science may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
  - (i) Behavioural Science
  - (ii) 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.
- (3) 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

### 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.
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.

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.

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.

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.

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.

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 Skills 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 HA  
 Elective Studies HB  
 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.



# Appendix 1

## Schedule of Elective Descriptions

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 code has been used next to the unit title

- First four letters represents the school/department in which the elective is taught
- followed by four digits, the first digit represents the level of that unit: 5xxx = PG Coursework 6xxx = Masters Research 7xxx = PhD
- followed by three further digits to distinguish the particular unit of study
- Five digits in parentheses are the old unit number

### Key

- \* Class attendance is required
- \*\* Contract learning
- # Independent learning package
- X external/distance mode
- N Night classes (starting after 4.00pm)
- D Day classes (starting before 4.00pm)
- W Weekend classes

- Credit Points: Each unit of study (elective) has a credit point value. Students should note that limitations on enrolment are imposed for some units of study.

The following table lists schools/departments and their contact telephone numbers.

Units beginning with the letters	Taught by	Office	Phone
BEHS	Department of Behavioural Sciences	G101	93519228
BIOS	Department of Biomedical Sciences	S134	93519455
ORTH	School of Applied Vision Sciences	T321	93519250
CDCS	School of Communication Sciences and Disorders	B100	93519450
AHCD	School of Community Health (Yooroang Garang)	T430	93519127
COMH	School of Community Health	T409	93519565
EXSS	School of Exercise and Sport Science	S140	93519612
HIMT	School of Health Information Management	T301	93519494
MRTY	School of Medical Radiation Technology	M201	93519640
OCCP	School of Occupation and Leisure Sciences	M501	9351 9386
PHTY	School of Physiotherapy	O100	93519273

BEHS5049 (10517) (\*\*)  
BEHS5049 (10517X) Semester 2 (X)

#### Abnormal Psychology and Mental Health Semester 1 and 2 - 4 credit points

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

AHCD5008 (07508X) Aboriginal Health  
Semester 2 - 4 credit points (\*\*N)

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.

BEHS5151 (105B9) Advanced Counselling Skills  
Semester 2 - 4 credit points (\*\*)  
Advanced counselling skills identifies skills necessary to utilise counselling skills in a variety of modes. It requires the ability to use counselling skills in specific situations. These situations include use of individual and group settings, crisis settings and in settings relevant to the career aspirations of the student.

BEHS5140 (10425) Ageing and Australian Society  
Semester 1 and 2 - 4 credit points (\*\*)  
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.

**BEHS5125 (10594) Art Therapy I**

(\*W)

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.

**BEHS5145 (105B3) Art Therapy II**

*Semester 1 - 4 credit points (\*W)*  
*Pre-requisite Art Therapy I*

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.

**COMH5169 (08434) Assessment of Learning**

*Semester 1 - 6 credit points (N#X)*  
*Pre-requisite Instructional Design and Teaching Skills (08505)*

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.

**AHCD5005 (07505) Australian Society and Health**

*Semester 1 - 6 credit points (\*N)*

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.

**BEHS5050 (10518) Behaviour Modification and Cognitive Behavioural Therapy**

*Semester 1 and 2 - 4 credit points (\*\*)*

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 to develop 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.

**BEHS5143 (10454) Behavioural Aspects of Ageing**

*Semester 1-4 credit points (N\*)*

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.

**BEHS5051 (10519) Biofeedback**

4 credit points

(\*\*)

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.

**BIOS5049 (11514) Body Function for Health Professionals**

*Semester 2 - 4 credit points (\*)*

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.

**HIMT5044 (09438) Casemix Measurement Systems**

*Semester 2 - 2 credit points*

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.

**BEHS5131 (105A2) Children's Health and Welfare Policy**

*Semester 1 and 2 - 4 credit points (\*\*)*

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.

**COMH5038 (08520) Clinical Teaching and Supervision**

*Semester 1 - 6 credit points (N#X)*

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.

**BEHS5053 (10520) Cognitive Function in Neurological Disorders**  
*4 credit points (\*\*)*

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

**AHCD5020 (07520) Community Development**  
*Semester 2 - 4 credit points (#)*

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.

**AHCD5016 (07516) Community Health Policy and Services**  
*Semester 2 - 6 credit points (#)*

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.

**COMH5140 (08580) Community Health Policy and Services**  
*Semester 1 or 2-6 credit points (#)*

This unit provides an introduction to the practice of community health and to related policies and services. Within this context, particular attention is paid to the development and implementation of community-based services for frail and disabled older people.

**AHCD5015 (07515) Community Nutrition**  
*Semester 2 -4 credit points (\*\*)*

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.

**AHCD5028 (07528) Computer in Health**  
*Semester 2 - 4 credit points (\* N)*

This introductory unit looks at the use of computer in clinical setting, health education and professional education. In this unit students will become familiar with a number of softwares, using a structured software review guide and evaluation sheet.

**COMH5119 (08552) Computers for Teacher Productivity**  
*Semester 1-6 credit points (\* N)*

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 explore the functions and implications of academic computer research networks. Class size will be limited by the number of computers available.

**BEHS5084 (10553) Computing for Health Practitioners**  
*Semester 1 and 2 - 4 credit points (D\*)*

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

**BEHS5091 (10558) Contemporary Issues in Childhood and Adolescence**  
*Semester 1 - 4 credit points (")*

This unit will enable students to study in depth an area of special interest related to child and adolescent health and adjustment, including such topics as; SBDS, homelessness, the effects of divorce on children, adolescent suicide, eating disorders, bullying, delinquency, sexuality and juvenile offenders. The course will be seminar based, where particular topics will be discussed from a theoretical and applied perspective with particular emphasis on possible intervention programs and treatment. Students will be required to submit an individual report (which can take the form of a critical synthesis of the literature or a small piece of original research). Topics and project style will be decided in consultation with the lecturer.

**BEHS5054 (10521) Counselling (\*\*)**  
**BEHS5054 (10521X) Counselling (X)**  
*Semester 1 and 2-4 credit points*

This unit will cover the major theories of counselling and their applications to health professional practice. Issues related to the role of counselling in the delivery of health care and the ethical and legal implications of a counselling relationship will be addressed. This elective also promotes student self-awareness and exploration of their life histories and interpersonal styles, focusing on the implications of these for relating to and doing research with various client groups.

**BEHS5153 (105C2) Counselling Practicum<sup>A</sup>**  
*Semester 2 - 4 credit points*  
*Pre-requisite Counselling*  
*Co-requisite Advanced Counselling*

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.

<sup>A</sup>Not available in 1999.

**COMH5069 (08488) Counselling Theory and Practice**  
*Semester 1 and 2 - 6 credit points (\*)*

This unit examines the major theories of counselling and their application to professional practice with older people.

**BEHS5056 (10523) Cultural Approaches to Disease and Healing and Ethnographic Analysis**

*Semester 2 - 4 credit points (\*\*)*

This elective promotes cross-cultural analysis of the relationship between culture, social structure and beliefs and practices relating to the management of illness and disease. Systematic analysis is encouraged of a wide range of empirical material addressing cultural approaches to disease and health from both pre-industrial and contemporary western settings. Possible research issues are covered addressing anthropology's early concern with indigenous belief systems and current post-modern concern with the representation of these beliefs, the ecological and epidemiological aspects of disease, and a broad spectrum of theories of disease etiology, diagnosis and therapy. A transcultural perspective analyses the philosophical underpinnings of both traditional and contemporary healing systems, and emphasises similarities and differences from the biomedical perspective, and considers the impact of Western medicine on Third World societies. A political economy approach examines health status and level of health care experienced by different populations, and the potential for research into the social, cultural, economic and political conditions of particular regions to understand their relationship with the world capitalist system.

**AHCD5033 (07533) Cultural Awareness for Indigenous Health**

*Semester 2 - 4 credit points (\*\*)*

Cultural sensitivity in health care system and development of programs and services can be realised only when we understand the cultural experience of those who have been marginalised in the production of knowledge and cultural identity. To be precise, it is counter productive to target individuals and community for most health risk reduction efforts without considering the effects of those individuals' and community's culture, language and environment. The aim of this unit is to sensitise people of Aboriginal and non-Aboriginal communities with the cultural diversity in the Aboriginal society. This is a unit which aims to increase participants knowledge through defining their prior knowledge of Aboriginal culture. Students will be encouraged to use their learning skills in developing appropriate intervention programs and services.

**AHCD5032 (07532) Cultural Awareness for Migrant Health**

*Semester 2 - 4 credit points (\*\*)*

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.

**COMH5086 (08508) Curriculum Leadership**

*Semester 2 - 6 credit points (N# X)*

*Pre-requisite Instructional Design and Teaching Skills (08505)*

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.

**COMH5192(085C6) Developing a Web-based Education System<sup>A</sup>**

*Semester 1-6 credit points*

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.

<sup>A</sup>Not available in 1999.

**BEHS5122 (10591) Disability and the Community**

*Semester 1 and 2-4 credit points (\*\*)*

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.

**BEHS5121 (10590) Disability and the New Genetics**

*Semester 1 and 2-4 credit points (\*\*)*

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.

**COMH5078 (084AO) Distance Learning***Semester 1 - 6 credit points (#X)*

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 instructional design and adult education principles.

**AHCD5012 (07512) Drug and Alcohol Studies***Semester 2 - 4 credit points (")*

This unit introduces students to the issues surrounding drug and substance abuse within 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.

**COMH5153 (08593) Ecological Health***Semester 2 - 4 credit points (\*\*)*

The aim of this unit is to provide the students with a theoretical and applicable background for better understanding of health (broad definition), as well as the role of the human kind within the eco system. It will help the students a multidimensional framework for intervention to promote healthy development in a fragile eco system.

**COMH5194 (085C8) Educational Innovation Project***Semester 1-6 credit points*

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.

**COMH5195 (085C9) Educational Innovation Project***Semester 2 - 6 credit points*

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

**COMH5085 (08507) Educational Practice***Semester 2 - 6 credit points (\*\*)**Pre-requisite Instructional Design (08505)*

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

**HIMT5045 (09439) Epidemiology***Semester 2 - 2 credit points*

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.

**BEHS5119 (10588) Ethnic Minorities and Health****Care in Australia***Semester 1 and 2 - 4 credit points (\*\*)*

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

**COMH5084 (08506) Facilitating Learning***Semester 2 - 6 credit points (N#X)**Pre or Co-requisite Group Dynamics (08426)*

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.

**OCCP5069 (15507) Family and Community Care***Semester 2 - 6 credit points (N)*

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.

**HIMT5033 (09515) Financial Management in Health****Care Facilities***Semester 1 - 2 credit points (\*D)*

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.

**BEHS5100 (10567) Health and Cultural Pluralism***Semester 1 and 2-4 credit points (\*\*)*

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

**HIMT5018 (09470) Health Care Evaluation***Semester 2 - 2 credit points (\*D)*

In this unit students are introduced to the concept 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 evidenced 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 quality of care along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

**HIMT5035 (09517) Health Care Systems***Semester 1-2 credit points*

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.

**AHCD5013 (07513) Health in the Developing World***Semester 1 - 4 credit points (#)*

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.

**BEHS5057 (10524) Health Policy and Social Theory***Semester 2 - 4 credit points (\*\*)*

Contemporary social theorists have noted an increase in the rate of policy change in health services. Students will examine possible research topics concerning the determinants and implications of past and present policy changes in health services.

**AHCD5001 (07501) Health Promotion***Semester 1 - 6 credit points (\*N)*

This unit provides an introduction to the principles and processes of major approaches to health promotion.

**COMH5087 (08509) Health Promotion, Planning and Evaluation***Semester 2 - 6 credit points (\*)**Pre or Co-requisite Introduction to Health Education (08481)*

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

**BEHS5129 (10598) (\*\*)****BEHS5129(10598X) (X)****Health Risk Management (International Perspectives)***Semester 1 and 2-4 credit points*

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 Co-operation (APEC) Agreement and other relevant international standards and agreements. The course addresses the background to the Asia/Pacific Economic Co-operation (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.

**BIOS5018 (11433) Health, Dysfunction and Ageing***Semester 2 - 6 credit points (#)*

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.

**BEHS5147 (105B5) Health, Population and Policy Development***Semester 1-4 credit points (\*\*)*

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.

**BEHS5058 (10525) HIV/AIDS: Health and Social Services**

*Semester 1 and 2-4 credit points (\*\*)*

This unit is designed to give students a comprehensive introduction to the medical, health and social aspects of HIV disease. It considers epidemiology, prevention, support services, relevant political and legal issues, occupational health and safety procedures. The unit also investigates how specialist health workers can assist people living with HIV/AIDS.

**BEHS5101 (10568) HIV/AIDS: Health and Social Services for Children and Adolescents**

*Semester 1 and 2-4 credit points (\*\*)*

This unit is designed to give students a comprehensive introduction to the medical, health and social aspects of HIV disease. It considers epidemiology, prevention, support services, relevant political and legal issues, occupational health and safety procedures. This unit also investigates how specialist health workers can assist children and adolescents living with AIDS.

**AHCD5030 (07530) Housing and Health**

*Semester 2 - 4 credit points (N)*

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.

**HIMT5032 (09422) Human Resource Management**

*Semester 1-2 credit points (\*D)*

This unit is designed to introduce the student to human resource management functions. 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.

**BEHS5073 (10540) Imagery and Visualisation**

*Semester 1 and 2 - 4 credit points (\*\*)*

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.

**COMH5144 (08584) Implementing Distance Learning**

*Semester 2 - 6 credit points (#X)*

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.

**COMH5033 (08432) Independent Investigation I**

*Semester 1-6 credit points (\*\*)*

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. The participant will complete a personal learning contract under the supervision of a teacher.

**COMH5057 (08466) Independent Investigation II**

*Semester 2-6 credit points (\*\*)*

Same as for Independent Investigation I.

**AHCD5036 (07536) Independent Learning**

*Semester 1-4 credit points (\*\*)*

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.

**AHCD5037 (07537) Independent Learning**

*Semester 2 - 4 credit points (")*

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.

**AHCD5021 (07521) Indigenous Community Action**

*Semester 2 - 4 credit points (\*)*

This critical and reflective approach to social change and community action includes a critique of development, examination of culturally appropriate strategies and methods, and case studies of indigenous organisation and action for change, (minimum 5 students)

**AHCD5022 (07522) Indigenous Family Health**

*Semester 2-4 credit points (#)*

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.

**AHCD5023 (07523) Indigenous Mental Health**

*Semester 2 - 4 credit points (#)*

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.

**AHCD5035 (07535) Injury Prevention***Semester 2 - 4 credit points (\*)*

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 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.

**COMH5133 (08567) Inservice and Continuing Education in Health Services***Semester 2 - 6 credit points (N#X)*

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.

**BEHS5110(10579) Intermediate SPSS***Semester 2 - 4 credit points (\*\*)*

Topics covered in the introductory course will be treated in greater depth. In addition, special emphasis will be given to data transformation and selection procedures, importing and exporting data files. Statistical procedures covered include Multivariate Analysis of Variance including repeated measures, Multiple Regression, Factor Analysis, Reliability and Non parametric statistics.

**BEHS5146 (105B4) (\*\*)****BEHS5146 (105B4X) (X)****International Health: Sociological Analysis****4 credit points**

The aims of this unit are to provide students with an understanding of: the psychosocial, economic and political aspects of health, illness and well-being in an international context; the impact of industrialisation, urbanisation, modernisation and westernisation upon people's lifestyles, life expectancy, health expectancy, morbidity and mortality; and the demographic, epidemiological and health transitions.

**BEHS5112 (10581) Internet for the Health Professional***Semester 1-4 credit points (\*)*

Students will learn what the internet is including basic concepts like transmission control protocol/internet protocol (TCP/IP), the domain name system (DNS), simple mail transfer protocol (SMTP) etc. In addition students will have hands on experience accessing the internet and using its facilities such as telnet, ftp, email, archie, usenet, gopher, and world wide web (www). The focus of these experiences are to find the world wide resources available to health professionals in their special areas of interest.

**COMH5094 (08514) Introduction to Educational Computing***Semester 2 - 6 credit points (\*N)*

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.

**AHCD5017 (07517) Introduction to Epidemiology and Biostatistics***Semester 2 - 4 credit points (\*N)*

This unit introduces students to the principles of epidemiology and their application to community health problems.

**COMH5143 (08483) Introduction to Gerontology***Semester 1 - 6 credit points (#)*

This unit aims to provide students with an understanding of gerontology as a unique matrix of disciplines and perspectives focused on the interaction of individual and social processes of ageing and on the dynamics of ageing populations. It demonstrates the need for integration of various academic disciplines and professional applications in the study of ageing and older people.

**COMH5141 (08481) Introduction to Health Education***Semester 2 - 6 credit points (\*)*

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

**BEHS5059 (10526) Introduction to Medical Anthropology***Semester 1 and 2 - 4 credit points (\*\*)*

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.

**BEHS5109 (10578) Introduction to SPSS***Semester 1 - 4 credit points (\*\*)*

This unit is intended for students who would like to use the Statistical Package for Social Sciences (SPSS) for the analysis of research data. Topics covered include basic SPSS commands and syntax, running SPSS on the PC/Vax, setting up and defining research data, simple transformation of data. Procedures covered include descriptive statistics, t tests, analysis of variance, correlation and regression, and crosstabs.

**AHCD5010 (07510) Issues in Community Mental Health***Semester 2 - 4 credit points (#)*

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.

**BEHS5114 (10583) Juvenile Crime in Australia***Semester 1 and 2 - 4 credit points (\*\*)*

Juvenile delinquency accounts for almost 60% of all "traditional" crime in Australia. Most of this is "petty crime", nonetheless the perception fuelled by media is of a crime wave of unparalleled proportions with dire consequences for the future. In fact, juvenile crime is rather different. Whilst figures are hard to find, maybe only 5% of teenagers are likely to be in trouble for delinquent behaviour (although this represents an under-estimate of true delinquent behaviour). A number of sociological theories exist to explain crime, chief among them Strain and Control theory. There is a paucity of good psychological models of juvenile crime. Investigation of this topic requires a multi-disciplinary focus, borrowing from Criminology, Sociology, Developmental Psychology and Forensic Psychology. Investigation of this topic can focus on a assessment, treatment, theories of causation and life-span perspectives.

**COMH5065 (08482) Large Group Teaching***Semester 1 - 6 credit points (#X)*

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.

**COMH5061 (08476) Law, Ethics and the Rights of Older People***Semester 1 or 2-6 credit points (#)*

The aim of this unit is to examine aspects of law and ethics which may affect the lives of older people and to identify the rights of older people in particular circumstances.

**COMH5027 (08426) Learning in Groups***Semester 1-6 credit points (\*)*

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).

**AHCD5014 (07514) Legal and Ethical Issues in Community Health***Semester 2 - 4 credit points (\*N)*

This unit examines legal and ethical issues which can arise in community health practice.

**BEHS5120 (10589) Lesbian and Gay Studies**

This unit will examine the participation by lesbians and gay men in the major social institutions, with special emphasis on equity, culture and lesbian and gay community structures. Students will then select a particular aspect of gay and lesbian studies for examination in detail.

**EXSS5020 (22521) Mechanics of Human Movement****Semester 1 - 6 credit points**

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, and is only available to students enrolled in the Graduate Diploma or Masters of Health Science in Sports Physiotherapy, Occupational Health, or Paediatric Physiotherapy.

**COMH5059 (08470) Mental Health in Later Life***Semester 1 or 2-6 credit points (#)*

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

**AHCD5009 (07509) Migrant and Refugee Health***Semester 2 - 4 credit points (#)*

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 evaluate the response of the Australian health care system to migrants and refugees.

**BEHS5027 (10452) Multicultural Issues in Gerontology***Semester 2 - 6 credit points (#)*

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.

**EXSS5021 (22522) Occupational Biomechanics****Semester 1-4 credit points**

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.

**BEHS5060 (10527) Occupational Health and Stress***Semester 1 and 2 - 4 credit points (\*\*)*

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

**BEHS5124 (10593) Occupational Rehabilitation (\*\*)****BEHS5124 (10593X) Occupation Rehabilitation (X)**  
**Semester 2 - 4 credit points**

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.

**COMH5148 (08588) Organisational Management****Semester 1-4 credit points**

This unit examines the current theories of management and relates these models to the management of health organisations to practical issues of managing health organisations.

**BEHS5123 (10592) Organisational Psychology (\*\*)****BEHS5123 (10592X) Organisational Psychology (X)**  
**Semester 1 and 2 - 4 credit points**

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; managerial focus in rapidly changing work environments; working conditions, for example, shiftwork and their effects on work performance: and, women and work.

**BEHS5117 (10586) Organisational Structures in Health Contexts****Semester 1 and 2 - 4 credit points (\*\*)**

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.

**COMH5134 (08568) Patient Education****Semester 1 - 6 credit points (N#X)**

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

**EXSS5019 (22520) Physical Interface Specialisations****Semester 2 - 5 units**

This unit builds on the groundwork of Introduction to Ergonomics and Physical Interface in Ergonomics. The purpose of this unit is to develop skills and knowledge in a selected number of areas of specialisation in ergonomics. The skills include specific analysis of the workplace environment, use of appropriate measurement techniques and problem solving based on recent developments in the pertinent knowledge base of specific topic areas such as industrial design and physical comfort.

**BEHS5061 (10528) Post Trauma Stress****Semester 1 and 2 - 4 credit points (\*\*)**

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.

**AHCD5041 (07541) Project Development****Semester 1 - 4 credit points (\*\*)**

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.

**AHCD5042 (07542) Project Management****Semester 2 - 4 credit points (\*\*)**

In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

**AHCD5002 (07502) Program Planning and Evaluation****Semester 1 - 6 credit points (\*N)**

The aim of this unit is to examine factors and elements involved in the process of planning and evaluating community health programs.

**BEHS5098 (10565) Psychology of Adolescent Development and Adjustment****Semester 1 and 2 - 4 credit points (\*\*)**

This unit provides an overview and critical evaluation of theoretical approaches which attempt to explain adolescent development and adjustment. Aspects of physical growth and psychological changes will be examined together with factors affecting development and the impact of those changes. Discussion of cognitive and psychosocial development during adolescence will highlight interaction between the adolescent, self and society. Topics will include identity formation, relations with peers and family, sexuality and intimacy, body image and personality; the 'youth culture' role of the media. Adolescent health concerns will also be discussed including alcohol and drug use and abuse, STDs, adolescent suicide.

**BEHS5007 (10424) Psychology of Ageing**

The effects of age related changes on the individual will be studied in depth. The areas of behaviour covered will include information processing, problem solving, personality and social relationships.

**BEHS5149 (105B7X) Psychology for Graduate Students****Semester 1 and 2 - 4 credit points (X)**

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.

**BEHS5097 (10564) Psychology of Child Development and Adjustment**  
*Semester 1 and 2-4 credit points (\*\*)*  
Biological factors, sociocultural expectations, life experiences, personal choices and chance events all contribute to the process of human development. This unit addresses theoretical and applied perspectives related to the study of child development and adjustment. The period of pregnancy (genetic and biological influences) and prenatal development are discussed together with psychosocial factors associated with pregnancy and the birth process. The period of infancy and childhood is examined and topics such as sensory, motor, cognitive and moral development are explored with reference to the effects of variation in attachment, class and culture. The development and function of play and its importance are highlighted together with social and emotional development including; sex role development, friendship patterns and self-esteem and one's self-concept.

**BEHS5132 (105A3) Psychological Assessment of Children and Adolescents**  
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 a student 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).

**BEHS5142 (10460) Psychosocial Aspects of Sport**  
*Semester 2 - 4 credit points (")*  
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.

**BEHS5152(105C1) Psychotherapy**  
*Semester 2 - 4 credit points (\*\*)*  
*Co-requisite Counselling*  
Psychotherapy involves the application of specific techniques of behaviour change in a systematic way to alleviate suffering. Psychotherapies are based on theoretical models of normal and abnormal behaviour, but tend to be technically eclectic in the application of skills. This course introduces the students to the main psychotherapeutic models, and allows students the opportunity to gain skills in one particular model and its application to both adult and child situations.

**BEHS5063 (10530) Qualitative Research Analysis**  
*Semester 1 and 2 - 4 credit points (\*\*)*  
*Pre-requisite Qualitative Research Methods (10S05)*  
In this unit students will execute a qualitative research project and write a report of the findings. The unit will focus on conceptualization, social context, proposition testing and theory construction. Use of computer programs for the analysis of data will be discussed.

**BEHS5064 (10531) Research Methods for Medical Anthropologists**  
*Semester 2 - 4 credit points (\*\*)*  
This unit provides knowledge of various methods of fieldwork and the consequences and problems of pursuing them. By analysing examples of published research, attention will be drawn to the problems and difficulties in undertaking a research project in the field of medical anthropology. In particular, specific research strategies will be covered which are relevant to potential thesis topics.

**COMH5139 (08579) Residential Care Policies and Services**  
*Semester 1 or 2-6 credit points (#)*  
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.

**BEHS5128 (10597) Risk Management and Rehabilitation Policy**  
*(\*\*)*  
**BEHS5128(10597X) Risk Management and Rehabilitation Policy**  
*(X)*  
At the end of this unit students will know about the main health related responsibilities and entitlements of employers, workers, the self employed, and suppliers of goods and services. They will also be aware of how the interaction between insurance, rehabilitation and the court process operate and of some major problems in current management systems and how they can be overcome by workplace and industry based strategies to control risk, disputation and cost.

**AHCD5027 (07527) School Health**  
*Semester 2-4 credit points (#)*  
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.

**BEHS5065 (10532) Social Change and Health Services**  
*Semester 1 and 2 - 4 credit points (\*\*)*  
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.

**AHCD5034 (07534) Social Justice in Health**  
*Semester 2-4 credit points (\*\*)*  
 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.

**BEHS5067 (10534) Social Theory and Special Groups**  
*4 credit points*  
 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.

**BEHS5150 (105B8) (\*\*)**  
**BEHS5150 (105B8X) (X)**  
**Sociology for Health Professionals**  
 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.

**BEHS5096 (10563) Sociology of Community and Family**  
*Semester 1 and 2 - 4 credit points*  
 This unit develops an understanding of urbanisation and of 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. The structure and functions of the Australian family in an historical context, together with the significance of changes, are important foci of the unit.

**BEHS5148 (105B6) Sociology of Death and Dying<sup>A</sup>**  
*Semester 2 - 4 credit points (\*\*)*  
 The course will examine the nature of death in modern society and consider where and how death takes place. Most death now occurs in a hospital or other institutional setting and this necessarily raises questions about the control and management of death and dying, disclosure of information, the stresses of caring for dying people and their families, ethical issues in decision-making, and caring for bereaved families.  
<sup>A</sup>Not available in 1999.

**BEHS5068 (1G535) Sociology of Gender Relations**  
*Semester 1 and 2 - 4 credit points (\*\*)*  
 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.

**MRTY5018 (18513) Specialised Skeletal Scintigraphy**  
*Semester 1 or 2 - 4 credit points (X)*  
 This unit provides advanced instruction in skeletal nuclear medicine. It is designed to maximise the practitioner's ability to offer best practice in all nuclear medicine applications of bone disease. The unit will be offered in distance education mode, with full internet support, and optional intensive residential. It will run in semester one or two depending on demand.

**AHCD5031 (07531) Strategic Planning**  
*Semester 1 or 2 - 4 credit points (\*\*)*  
 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.

**BEHS5069 (10536) Stress and Coping: Social Context and Individual Differences**  
*Semester 2 - 4 credit points (")*  
 This elective considers how social context and external factors influence 'stress'. Arguments that the term 'stress' is misleading and that emphasis should be placed on changing external factors or social conditions will be considered. The effects of interpersonal and social relations on health and well-being and factors such as friendship, love and attraction will be considered. Cases of stressors impinging differentially across varying ages, gender, and socioeconomic factors and different religious groups are emphasised. In looking at the nature of coping and its effect on stress, the concept of stress mastery is addressed, models of coping compared and contrasted and their relationship to the construction of stress management programs critically evaluated. Individual differences in personality and their effect on coping will be considered, especially with respect to generating research. The research potential of procedures which focus on the modification of stress-related behaviours, such as Type A Behaviour, exercise and smoking, particularly behavioural 'contracting' will also be considered.

**BEHS5070 (10537) Stress and Disability***Semester 1 and 2 - 4 credit points (\*\*)*

This elective examines the incidence of various disabilities. Community perceptions will be examined, including the reasons behind the existence of 'high profile', 'stigma' and 'cultural acceptability'<sup>7</sup> differences across disabilities. Factors associated with living with a disability will be examined, and the relationship of research to individual accounts critically examined.

**BEHS5071 (10538) Stress and Illness: Management Issues***Semester 1 and 2 - 4 credit points (\*\*)*

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.

**BEHS5099 (10566) Subcultural and Cross Cultural Issues: The Costs of Marginality***Semester 1 and 2 - 4 credit points (\*\*)*

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.

**BEHS5115 (10584) Substance Abuse in Young People***Semester 1 and 2 - 4 credit points (\*\*)*

Substance abuse is endemic to Western populations. Whilst for adult groups the major substances abused are legal (alcohol and tobacco), in young people substance abuse often involves the use of illegal drugs. Almost 1 in 3 young people use marijuana, and about 80% of those below the legal age for alcohol drink, at least occasionally. Young females represent the largest "growth" group for tobacco use. Substance abuse appears strongly related to criminal behaviour in both young and adult samples. The causes of youth substance use are associated with a variety of cognitive variables (expectancies), behavioural effects (modelling) and social factors (peer pressure, family factors) etcetera. This elective allows students to explore issues within the field of youth substance use including epidemiology, causation, assessment, and treatment.

**COMH5143 (08583) Teaching Clinical Reasoning***Semester 2 - 6 credit points (N#X)*

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.

**COMH5095 (08515) Teaching with Reduced Resources***Semester 2 - 6 credit points (#X)*

This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education.

**COMH5032 (08431) Teaching with Technology***Semester 1 - 6 credit points (N#X)**Co-requisite Instructional Design and Teaching Skills (08505)*

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.

**COMH5141 (08581) The Community Setting and Older People***Semester 1 or 2 - 6 credit points (#)*

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

**COMH5138 (08578) The Residential Care Setting and Older People***Semester 1 or 2-6 credit points (#)*

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

**BEHS5095 (10562) The Sociology of Deviance***Semester 1 - 4 credit points (\*\*)*

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.

**BEHS5092 (10559) Therapy with Children, Adolescents and their Families***Semester 1 and 2 - 4 credit points (\*\*)*

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.

**BEHS5073 (10540) Visualization and Imagery***Semester 1 and 2 - 4 credit points*

This elective examines the role of visualization, 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 a predictor of wellbeing, illness and treatment outcomes. (3) Altered states of consciousness and health.

**BEHS5090 (10557) Violence Against Children and Adolescents***Semester 1 and 2 - 4 credit points* (\*\*)

Effective intervention into violence against children and adolescents requires an awareness and understanding of the nature and extent of this crime, together with a knowledge of the impact of such violence on all involved: victims/survivors, families, perpetrators and professionals working in the area. Course content will include discussion of the nature and extent of abuse (physical, neglect, sexual, external and systems abuse), theoretical approaches and models which attempt to explain such abuse and a critical examination of attitudes and beliefs about victimisation of children and adolescents. The unit will also examine the Criminal Justice Response to child abuse, including police involvement and related legal issues such as reliability and credibility of children's evidence. Characteristics of perpetrators, child pornography, and prostitution will also be discussed, as will child protection programs and the burden of care falling to the professionals working in the area. This unit will adopt an interdisciplinary approach with an applied focus and will involve input from various agencies such as the police, D.P.P. and other community agencies and service providers.

**COMH5173 (08445) Women's Health***Semester 2 - 4 credit points* (\*N)

This unit seeks to examine the pattern and sources of women's health in Australia and to critically evaluate health care services for women.

**COMH5193(085C7) Work-based Learning***Semester 2 - 6 credit points*

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.

**BEHS5116 (10585) Youth Suicide***Semester 1 and 2 - 4 credit points* (\*\*)

In the past fifteen years considerable anxiety has been expressed in the literature regarding the increase of rates of completed and attempted suicide by young people. Rates of youth suicide in the Western world have doubled or even tripled in some parts. Australia has the second worst record in this regard. Factors associated with the increase rate in youth suicide are currently unknown. Issues regarding how one classifies an act as suicidal, or parasuicidal, how to assess and treat such people, and the development of school or community based prevention programs are most controversial. Even though there is some hope that the current rate of increase is stabilising, the level of youth suicide now means more than one child a day will kill him/herself in this country. This elective provides an opportunity to explore aspects of this community mental health problem.

**Research Electives****Action Research****AHCD5048 (07548) Semester 1 - 6 credit points****AHCD5049 (07549) Semester 1 - 8 credit points****Contact: Ian Hughes (Ph: 9351 9110)**

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.

**Biological Measurement and Analysis****EXSS5017 (22518) Semester 2 - 6 credit points****EXSS5025 (22526) Semester 2 - 8 credit points****Contact: Dr R Smith (Ph: 9351 9462)**

This unit is a study in measurement, recording and analysis of biological signals. Concepts in the nature of biological signals, their transduction, storage and display, are presented and worked on within the students; own specific research application.

**Casemix Measurement Systems****HIMT5046 (09469) Semester 2 - 6 credit points****Contact: Ms Johanna Weslbrook (Ph: 93519558)**

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.

**Developing a Research Project****BEHS5107 (10575) Semester 1 and 2 - 6 credit points** (\*X)**BEHS6018 (105B1) Semester 1 and 2 - 8 credit points** (\*X)**Contact: Dr G Sullivan (Ph: 93519588)**

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 5-8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

### **Epidemiological Research**

**COMH5130 (0B564) Semester 2 - 6 credit points**

**COMH5167 (085A8) Semester 2 - 8 credit points**

**Contact: Dr K Brock (Ph: 9351 9124)**

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.

### **Epidemiology**

**HIMT5017 (09468) Semester 1 - 6 credit points (X)**

**Contact: Ms Johanna Westbrook (Ph: 93519558)**

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.

### **Evaluation Research**

**AHCD5046 (07546) Semester 2 - 6 credit points**

**AHCD5047 (07547) Semester 2 - 8 credit points**

**Contact: Mr Ian Hughes (Ph: 9351 9110)**

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.

### **Group and Single Case Experimental Research in**

#### **Clinical Settings**

**BEHS5108 (10576) Semester 1 - 6 credit points**

**BEHS5139(105B2) Semester 1 - 8 credit points**

**Contact: Dr Lynn Harris (Ph: 93519162)**

This unit concerns experimental designs and analyses suitable for evaluating the effectiveness of clinical interventions. Applications for evaluating data obtained from single cases and groups of clients will be considered.

### **History and Philosophy of Scientific Methodology**

**COMH5128 (08562) Semester 1 - 6 credit points (\* N)**

**COMH5165 (085 A6) Semester 1 - 8 credit points**

**Contact: Rod Rothwell (Ph: 93519122)**

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.

### **Intermediate Statistics**

**BEHS5103 (10571) Semester 1 - 6 credit points (N)**

**BEHS5135 (105 A6) Semester 1 - 8 credit points**

**Contact: Dr Rob Heard (Ph: 9351 9583)**

*Pre-requisite Research Methods I and II, or equivalent.*

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

### **Introduction to Graduate Studies**

**BEHS5130 (105A1) Semester 1 - 8 credit points (N\*\*)**

**Contact: Dr Carol O'Donnell (Ph: 93519580)**

This unit will provide information and practical exercises to assist students to achieve the basic knowledge of university policies, writing requirements, library, information technology resources, and project development skills necessary for effective understanding and dissemination of health research at a postgraduate level. This unit is compulsory for students undertaking a Graduate Diploma.

### **Issues in Educational Research**

**COMH5096 (08516) Semester 1 - 6 credit points (\*)**

**COMH5162 (085 A3) Semester 1 - 8 credit points**

**Contact: Ms Fran Everingham (Ph: 93519116)**

*(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.

### **Multivariate Statistics**

**BEHS5105 (10573) Semester 1 - 6 credit points (\*)**

**BEHS5137 (105A8) Semester 1 - 8 credit points**

**Contact: Dr P Choo (Ph: 93519583)**

*Pre-requisite Intermediate Statistics (10503), or equivalent*

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

### **Qualitative Research Methods**

**(N\*\*)**

**BEHS5104 (10572) Semester 1 & 2 - 6 credit points (\*X)**

**BEHS5136(105A7) Semester 1 & 2 - 8 credit points (\*X)**

**Contact: Dr G Sullivan (Ph: 93519588)**

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

### Research Design\*

**BEHS5040 (10488)** Semester 1 - 6 credit points (X)

Contact: Dr G Sullivan (Ph: 9351 9588)

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.

<sup>A</sup>Not available in 1999.

### Research Design and Methods for Therapists

**OCCP6008 (15502)** Semester 1 - 6 credit points (D)

**OCCP5073 (15511)** Semester 1 - 8 credit points

Contact: Dr M Fitzgerald (Ph: 9351 9216)

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.

### Research Elective Independent Study

**COMH5097 (08517)** Semester 1 - 6 credit points (")

**COMH5163 (085A4)** Semester 1 - 8 credit points

Contact: Ms Fran Everingham (Ph: 9351 9116)

(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.

### Research Elective Independent Study

**PHTY5067 (16505)** Semester 1 - 6 credit points

**PHTY5094 (16529)** Semester 1 ■ 8 credit points

Contact: Associate Professor Nicholas O'Dwyer

(Ph: 9351 9385)

(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.

### Scientific Investigation C

**PHTY6009(164D8)** Semesters 1 - 6 credit points

**PHTY5093 (16528)** Semesters 1 - 8 credit points

Contact: Associate Professor Nicholas O'Dwyer

(Ph: 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.

### Single System Research Design and Evaluation Methods

**OCCP5064 (15501)** Semester 2 - 6 credit points (D)

**OCCP5072 (15510)** Semester 2 - 8 credit points

Contact: Dr C Chapparo (Ph: 9351 9206)

The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opportunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recording procedures associated with single system designs; basic and advanced designs for single system evaluation and research; and visual and statistical analysis of single system data.

### Structuring a Qualitative Research Thesis<sup>A</sup>

**PHTY5095 (16527)** Semester 1-4 credit points

Contact: Professor Joy Higgs (Ph: 9351 9070)

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).

<sup>A</sup>Not available in 1999.

### Survey Research Methods

**BEHS5106 (10574)** Semester 2 - 6 credit points (") N)

**BEHS5138 (105A9)** Semester 2 - 8 credit points

Contact: Dr G Sullivan (Ph: 9351 9588)

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.

## A

Academic Governance, 2-2  
Academic Year, iii  
Access to Buildings, 4-9  
Accommodation, 18-4  
Advanced Standing  
  See Credit Transfer  
Agreements,  
  Inter-Institutional, 2-4  
Appendix 1, A-1  
Applications,  
  Late, 4-1  
Applied Vision Sciences,  
  School of, 7-1  
Attendance at Classes, 4-9  
Audiology Clinic, 7-1  
Awards, Prizes and Scholarships, 3-6  
  Clinical Supervisory positions, 3-6  
  Research Assistantship, 3-6

## B

Behavioural Sciences,  
  Department of, 5-1  
  Summary, 5-1  
Biomedical Sciences,  
  Department of, 6-1  
  Summary, 6-1  
Bookshop, 18-1  
Butterworth-Heinemann  
  Treatise Prize, 3-6  
Butterworth-Heinemann  
  Thesis Prize, 3-6

## C

Casemix, 11-1  
Centres, 2-2  
  Australian Stuttering  
  Research, 2-2, 15-1  
  Cumberland Health  
  and Research, 2-2  
  National Centre for Classification  
  in Health, 2-3  
  National Voice, 2-3, 15-2  
  Rehabilitation Research, 2-3, 15-2  
  WHO Collaborating, 2-3  
Change of Address, 4-9  
Child and Adolescent Health, 5-6  
Childcare, 18-1  
Clinical Data Management, 11-2  
Clinical Education,  
  Arrangement, 17-1  
  Assessment of Students, 17-1  
  Health Information Management,  
  (Dates), 11-10  
  Rehabilitation Counselling, 9-22  
  Rules Applying to, 17-1  
Clinics,  
  Audiology, 8-1  
  Stuttering Research and  
  Treatment, 8-1

Communication Sciences and  
  Disorders,  
  School of, 8-1  
Community Health,  
  Courses, 9-2  
  School of, 9-1  
Conduct, 4-9  
Counselling Service, 18-1  
Coursework, 4-9  
Credit Transfer, 4-4  
Credit Union Facilities, 18-1  
Cumberland Health  
  and Research Centre, 2-2  
Cumberland Stuttering Research  
  and Treatment Clinic, 8-1

## D

Degree of Master, 3-2  
  Applications, 3-2  
  Course Requirements, 3-3  
  Examination of Thesis, 3-5  
  Enrolment, 3-2  
  Research Thesis, 3-4  
Disabled Students, 4-6, 18-1  
Discontinuation of Studies, 4-4  
Discrimination Advisers, 18-2  
Doctor of Philosophy, 3-1  
  
Enquires and Applications, 4-1  
Equal Employment Opportunity, 18-2  
Examinations and Assessments, 4-5  
  Appeal Against an Academic  
  Decision, 4-18  
  Approved Assessment Periods, 4-5  
  Attendance at Assessments, 4-5  
  Illness or Misadventure, 4-4  
  Rules of Conduct of Written  
  Examinations, 4-5  
Exercise and Sport Science,  
  School of, 10-1

## F

Failure to Meet Financial  
  Liabilities, 4-4  
Fees and Charges, 4-3  
  Refund of Fees, 4-3  
Fieldwork,  
  See Clinical Education  
Financial Assistance, 18-2

## G

Gerontology, 9-11  
Grades, 4-6  
Graduate Courses,  
  Summary, 3-7  
Graduates Association  
  and Alumni, 18-2

Grievance Advisers  
  See Discrimination Advisers

## H

HECS, 4-3  
Health Information Management,  
  School of, 11-1  
Health Science Education, 9-15  
Health Sciences Library, 18-3  
History, 2-1  
Hours,  
  Credit Union, 18-1  
  Library, 18-3

## I

Indigenous Community Health, 9-2  
Infectious Diseases, 17-2  
Insurance, 17-2  
Inter-Institutional Agreements, 2-4  
International Students, 18-3

## L

Laboratories,  
  Speech Science, 8-1  
Late Fees  
  See Failure to Meet Financial  
  Liabilities  
Leave of Absence, 4-5  
Library, 18-3  
Loans, 18-2  
Lockers, 18-3  
Lost Property, 18-3

## M

Master's  
  Advisory Committee, 3-4  
  Discontinuation of Enrolment, 3-4  
  Fieldwork and Supervision, 3-4  
  Progress Reports, 3-4  
  Course Requirements, 3-3  
  Research Subject, 3-4  
  Thesis, 3-4  
Medical Radiation Technology,  
  School of, 12-1  
Medical Radiation Sciences, 12-4  
Medical Sonography, 12-2

## N

Notification of Results, 4-6

## O

Occupation and Leisure Sciences,  
  School of, 13-1  
Official Notices, 4-9

## **P**

- Parking, 18-4
- Payment
  - Deferred, 4-3
  - Extension of Time for Payment, of Student Guild Fees, 4-3
  - Up-Front, 4-3
- Physiotherapy, School of, 14-1
- Private Speech Pathologists' Association of N.S.W.
  - Master's Thesis Prize, 3-6
- Prizes and Awards, 3-6
- Professional Experience
  - See Clinical Education
- Progression and Exclusion, 4-8
  - See Show Cause

## **R**

- Registration and Enrolment, 4-1
  - Confirmation of Enrolment, 4-3
  - Deferment of Enrolment, 4-2
  - Enrolment of New Students, 4-2
  - Re-enrolment, 4-2
- Rehabilitation Counselling, 9-22
- Rehabilitation Research Centre, 2-3,15-2

## **S**

- Senate Resolutions, 19-1
- Show Cause, 4-8
- Singapore Courses, 16-1
- Special Consideration, 4-5
- Special Leave, 4-5
- Sporting Facilities, 18-4
- Staff,
  - Administration, 1-6
  - Centres, 1-5
  - Faculty, 1-2
- Student Accommodation, 18-4
- Student Administration, 4-1
- Student Identity Card, 4-2
- Student Records, 4-9
- Student Guild, 18-1
  - Facilities, 18-1
  - Fees, 4-3
  - Guild Office, 18-1
  - Student Representation, 18-1
  - Student Resources and Support Services, 18-1
- Student Welfare Services, 18-4
- Subject/Units of Study Numbering System,
  - Explanation, 3-6

## **T**

- Thesis, 3-4
- Travel Concessions, 18-4

## **U**

- Uniforms,
  - Health Information Management, 11-10
- UAC/Non-UAC Applications, 4-1
- Units of Study/Numbering Explanation, 3-6

## **V**

- Variation of Enrolment, 4-4
- Vision Impairment, 7-1

## **W**

- WHO Regional Collaborating Centre for Rehabilitation, 2-3