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The year 2001 will mark a new and special beginning for many of you. I hope it will be an important milestone for each of you in your postgraduate development.

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

If you are a returning student I congratulate you on your previous success and welcome you back. You may be returning to complete your current course or choosing to move forward to the next stage in one of our articulated coursework programs.

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

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

As a complement to your academic focus, I hope you will also take advantage of the opportunity to make life-long friendships with the people you meet along the way. Your time in the Faculty will be much richer if you are able to fit some of the social, cultural and sporting activities made available into your busy schedule. These complement the more structured activities associated with your program of study.

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

Best wishes in your academic, professional and personal journey through 2001.

Professor Hal Kendig, Dean
## Summary of graduate courses

### Doctor of Philosophy (PhD) (generic award)
**Full-time:** min 3 years - max 5 years  
**Part-time:** min 3 years - max 7 years

<table>
<thead>
<tr>
<th>Area of study</th>
<th>Mode</th>
<th>Course code</th>
<th>Unit code</th>
</tr>
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<tbody>
<tr>
<td>Australian Stuttering Research Centre</td>
<td>full-time</td>
<td>2401</td>
<td>STUT 7002(24601A)</td>
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<td></td>
<td>part-time</td>
<td>2402</td>
<td>STUT 7003(24601B)</td>
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<tr>
<td>Behavioural and Community Health Sciences</td>
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<td>2536</td>
<td>BACH 7005 (25704)</td>
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<td>2535</td>
<td>BACH 7006 (25705)</td>
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<td>BIOS 7002 (11601A)</td>
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<td></td>
<td>part-time</td>
<td>1108</td>
<td>BIOS 7003 (11601B)</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>full-time</td>
<td>1211</td>
<td>CSCD 7002 (12601A)</td>
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<td>part-time</td>
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<td></td>
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<td>2201</td>
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<tr>
<td>Physiotherapy</td>
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### Doctor of Health Science (HScD) (generic award)

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<td></td>
<td>3-5 years</td>
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<td>2604</td>
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### Master of Applied Science (MAppSc) by research

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<tr>
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<td>full-time</td>
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<td>part-time</td>
<td>2539</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>min 2 years</td>
<td>full-time</td>
<td>1213</td>
</tr>
<tr>
<td></td>
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<td>part-time</td>
<td>1214</td>
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<tr>
<td>Education</td>
<td>min 2 years</td>
<td>full-time</td>
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<td></td>
<td>min 3 years</td>
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<td>2507</td>
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<tr>
<td>Exercise and Sport Science</td>
<td>min 2 years</td>
<td>full-time</td>
<td>2203</td>
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<td></td>
<td>min 3 years</td>
<td>part-time</td>
<td>2204</td>
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<tr>
<td>Gerontology</td>
<td>min 2 years</td>
<td>full-time</td>
<td>2508</td>
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<tr>
<td></td>
<td>min 3 years</td>
<td>part-time</td>
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<tr>
<td></td>
<td>min 3 years</td>
<td>off-campus</td>
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<tr>
<td>Health Information Management</td>
<td>min 2 years</td>
<td>full-time</td>
<td>0909</td>
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<td></td>
<td>min 3 years</td>
<td>part-time</td>
<td>0910</td>
</tr>
<tr>
<td>Indigenous Community Health</td>
<td>min 2 years</td>
<td>full-time</td>
<td>0708</td>
</tr>
<tr>
<td></td>
<td>min 3 years</td>
<td>part-time</td>
<td>0709</td>
</tr>
<tr>
<td>Medical Radiation Sciences</td>
<td>min 2 years</td>
<td>full-time</td>
<td>1827</td>
</tr>
<tr>
<td></td>
<td>min 3 years</td>
<td>part-time</td>
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</table>
National Voice Centre (generic award)
Occupational Therapy
Orthoptics
Physiotherapy
Rehabilitation Counselling
Rehabilitation Research Centre (generic award)

Master of Communication Disorders (MCommDis) by research

Master of Health Science (MHlthSc) by Coursework
Behavioural Science (BehSc)
Cardiopulmonary Physiotherapy (CardPulPhy)
Child and Adolescent Health (ChildAdolHlth)
Clinical Data Management MHlthSc (CDM)
Community Health (ComHlth)
Education (Ed)
Exercise and Sport Science (Ex&SpSc)
Gerontology (Geront)
Health Informatics MHlthSc (Hlth Informatics)
Indigenous Community Health (IndigCommHlth)
Management (MHlthSci (Mment))
Manipulative Physiotherapy (ManipPhy)
Medical Radiation Sciences (MRS)
Medical Sonography (Med Sono)
Neurological Physiotherapy MHlthSc (NeuroPhy)

Occupational Therapy (OT)
Paediatric Physiotherapy MHlthSc (PaedPhy)
Physiotherapy MHlthSc (Phyty)
Speech and Language Pathology (SLP)
Sports Physiotherapy MHlthSc (Sports Phyty)

Master of Health Information Management (MHIM)

Master of Occupational Therapy (MOT)
Master of Rehabilitation Counselling (MRehabClng)

Graduate Diploma of Health Science (GradDipHlthSc)
Community Health (ComHlth)
Education (Ed)
Exercise and Sport Science (Ex&SpSc)
Health Information Management (HIM)

Indigenous Community Health (IndigComHlth)
Medical Radiation Sciences (MRS)
Medical Sonography (Med Sono)
Units of study numbering system

The units of study numbering system is comprised of four letters and four digits. The letters of the alphabet identify the school, or centre responsible for the unit of study. The first of the four digits corresponds as far as possible to the level of the unit, and the remaining three digits are sequentially allocated as required. The identifying alphabet codes of the Faculty's schools and centres are:

<table>
<thead>
<tr>
<th>School/Centre Name</th>
<th>Code</th>
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<tbody>
<tr>
<td>Australian Stuttering Research Centre</td>
<td>STUT</td>
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<tr>
<td>Doctor of Health Science</td>
<td>DHSC</td>
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<tr>
<td>National Voice Centre</td>
<td>VOIC</td>
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<tr>
<td>Rehabilitation Counselling</td>
<td>REHB</td>
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<td>Rehabilitation Research Centre</td>
<td>REHA</td>
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<tr>
<td>School of Applied Vision Sciences</td>
<td>ORTH</td>
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<tr>
<td>School of Behavioural and Community Health Sciences</td>
<td>BACH</td>
</tr>
<tr>
<td>School of Biomedical Sciences</td>
<td>BIOS</td>
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<td>School of Communication Sciences and Disorders</td>
<td>CSCD</td>
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<tr>
<td>School of Exercise and Sport Science</td>
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<td>School of Health Information Management</td>
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<td>PHTY</td>
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<tr>
<td>School of Indigenous Health Studies</td>
<td>AHCD</td>
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</table>

As part of the transition to the University's new Student Information System, this handbook also contains the old 'subject' codes which are placed in parentheses next to the unit of study codes in tables, or marked 'Old code' in unit of study listings.

Notes
1. Only offered off-shore in Singapore in conjunction with the Singapore Institute of Management
Staff

Student-related enquiries (eg, course information) should be directed to:
Student Administration (Cumberland)
Phone: (02) 9351 9161
Fax: (02) 9351 9412
Email: uginfo@cchs.usyd.edu.au (undergraduate courses),
pginfo@cchs.usyd.edu.au (postgraduate courses)

Schools and centres

School of Applied Vision Sciences
Phone: (02) 9351 9250
Fax: (02) 9351 9259
Email: e.appel@cchs.usyd.edu.au
Web: www.usyd.edu.au/su/orth
Head of School: Associate Professor Elaine D. Cornell

School of Behavioural and Community Health Sciences
Phone: (02) 9351 9228
Fax: (02) 9351 9540
Email: p.harrington@cchs.usyd.edu.au
Web: www.beh.cchs.usyd.edu.au
Head of School: Associate Professor Ross G. Menzies

School of Biomedical Sciences
Phone: (02) 9351 9454
Fax: (02) 9351 9520
Email: g.lee@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/bio
Head of School: Dr Gary Lee

School of Communication Sciences and Disorders
Phone: (02) 9351 9450
Fax: (02) 9351 9173
Email: csd.hos.secretary@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/csd
Head of School: Professor Vicki Reed

School of Exercise and Sport Science
Phone: (02) 9351 9612
Fax: (02) 9351 9204
Email: l.burke@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/Academic/ESS
Head of School: Dr Margaret Torode

School of Health Information Management
Phone: (02) 9351 9494
Fax: (02) 9351 9672
Email: rmninfo@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/him
Head of School: to be advised

School of Medical Radiation Sciences
Phone: (02) 9351 9501
Fax: (02) 9351 9146
Email: mrs@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/mrs
Head of School: Dr Alastair Davison

School of Occupation and Leisure Sciences
Phone: (02) 9351 9386
Fax: (02) 9351 9197
Email: s.woods@cchs.usyd.edu.au
Web: www.ot.cchs.usyd.edu.au
Head of School: Ms Jane Gamble

School of Physiotherapy
Phone: (02) 9351 9630
Fax: (02) 9351 9601
Email: ptinfo@cchs.usyd.edu.au
Web: www.cachs.usyd.edu.au/Academic/PT
Head of School: Associate Professor Jack Crobie

Yooroang Garang: School of Indigenous Health Studies
Phone: (02) 9351 9393
Fax: (02) 9351 9400
Email: yg@cchs.usyd.edu.au
Web: www.yg.cchs.usyd.edu.au
Head of School: Dr Kathleen Clapham

Australian Stuttering Research Centre
Phone: (02) 9351 9061
Fax: (02) 9351 9392
Email: m.onslow@cchs.usyd.edu.au
Web: www.cachs.usyd.edu.au/Academic/ASRC
Director: Associate Professor Mark Onslow

Cumberland Health and Research Centre
Phone: (02) 9351 9282
Fax: (02) 9749 1115
Email: recept@chrc.usyd.edu.au
Web: www.cchs.usyd.edu.au/chrc/
Director: Ms Sharon Bent

National Centre for Classification in Health
Phone: (02) 9351 9461
Fax: (02) 9351 9603
Email: ncchadmin@cachs.usyd.edu.au
Web: www.cachs.usyd.edu.au/ncch
Director: Associate Professor Rosemary Roberts

National Voice Centre
Phone: (02) 9351 5352
Fax: (02) 9351 5351
Email: p.davis@cachs.usyd.edu.au
Web: www.cachs.usyd.edu.au/Academic/NVC
Director: Associate Professor Pam Davis

Rehabilitation Research Centre
Phone: (02) 9351 9466
Fax: (02) 9351 9977
Email: g.davis@cachs.usyd.edu.au
Web: www.cachs.usyd.edu.au/rcr
Director: Associate Professor Glen Davis

Faculty of Health Sciences

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GradDipManipTher Cumb. DipTertEd N.E.

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Nicholas O’Dwyer, BA Dublin MA U.Coll.Dublin PhD U.N.S.W.

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Margaret Kennedy

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Amanda Parsons, BAppSc(OccTher)

Faculty Manager
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School of Applied Vision Sciences

Head of School
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Senior Lecturer
Neryla Jolly, MA Macq. DOBA Teach U.K.

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Associate Lecturers
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Kathryn M. Thompson, DipAppSci(Orth) Cumb. GradCertHlthScEd DOBA
Liane Wilcox, BAppSci(Orth) Cumb DOBA

School of Behavioural and Community Health Sciences

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Associate Head of School
Roderick W.J. Rothwell, MA(Psych) MA(Phil) PhD

Associate Professors
Glennys Howarth, BA Essex PhD L.S.E.Tcert L.S.E.
Diana T. Kenny, MA Macq. BA PhD EdPip

Senior Lecturers
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Kaye E. Brock, BSc.A.N. U. PhD GradDipNutDiet
Rosemary V. Cant, MED WAust. PhDVcle(N.S.W)
DarienL. Chinnery, BA Adel. PhD U.N.S.W.
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Robert C. Heard, BA PhD
Chris J. Lenning, BA MPsychol PhD Macq.
Gomathi Sitharthan, MA MPhil. Madr. PhD
Cherry L. Russell, BA PhD
Tom Scholfield, BA DipEd Melp. PhD

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Ruth Crocker, MA W.Syd AssocDipRC GradDip ffldics(CommHlth) Cumb
Steven Cumming, BA MA(Psych) Tas PhD U.N.S.W.
Fran Everingham, BA MHPEd U.N.S.W. GradDipEd(Hlth Stud) S.C.A.E. DipEd U.N.S.W.
Ann Hale, BA Macq.
Trevor K. Hawkins, MS S.II. GradDipRC Cumb. BA Syeda Zakia Hossain, BA MA Dhaka MA A.N. U. PhD Qld
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Ian Hughes, BScSt MDevStud Deaking PhD
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Mairwen Jones, BA PhD RN RPN
Dennis McIntyre, BA Vcle(N.S.W) DipTeachVcle C.A.E.
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Alan W. Freeman, MSc PhD Melb.
Karen A. Ginn, BSc MHEdU.N.S.W. DipPhty GradDipManipTher Cumb. DipTertEd N.E.
Fazlul Huq, MSc Dhaka PhD Lond. DTC DipEd M.C.A.E., FRSC
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Ponnambalam Sivanandasingham, MB BS Ceyl. PhD Lond.
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Ed D. Colorado. FASHA. Appointed 1994
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Honorary Clinical Associates
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Monika Kaatzke-McDonald, BAppSc Cumb MAppSc
Belinda Kenny, BAppSc Cumb MAppSc
Caylie Mathby, BSpThpy Qld
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Sue Radovich, BAppSc Cumb
Magdalena Rozsa, BAppSc Cumb
Christine Taylor, BAppSc Cumb
Administrative Officer
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John Sutton Chair of Exercise and Sport Science
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Nicholas P. Limthorne BSc Qld PhD WAust.
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Grahame M. Budd, MB BS, MD, FRACP
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Lyndall M. Burke

School of Health Information Management

Head of School
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Lecchvers
Joanne Callen, BA DipEd U.N.S.W. MPH
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Vera Dimitropoulos, BAppSc(MRA) Cumb.
Suzaane Eissery, BAppSc(MRA) Cumb. MHA U.N.S.W.
Angelika Lange, Dipl. Psych. MAInfSc F. U. Berlin.
Tina Magennis, BAppSc(HIM) Cumb. MHA U.N.S.W. Grad CertOffHltScEd

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Jenny Cox, BA Macq. ARMFT
Ingrid Egan, BSc Macq. MSc U.T.S. Dip Teach S.C.A.E.
AssDipMedRad S.T.C.
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Barrie Egerton, MSc Sait. BSc Wales
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Sarah Lewis, BAppSc
Marianne Rinks, BEd £7.15. CertRad 5.7. C.
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Head of School

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Grad Dip Phys Glax, Dip TP Edis.

Professor

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Appointed 1994

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Honorary Associate Professor

Janet C. Can, MA EdD Col. Dip Phthy, FACP

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MAppSc (Man Phthy)

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Greame Martin
Operations Supervisor
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vacant
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Bruce Murray
Records Manager
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Linda Thompson

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MA Grad Cert TESOL
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May Thet Tun, MA Mandalay MA TEMJ Grad Dip Mac^.
Student Counsellor
vacant
Disability Services Officer
Susanne Hebblewhite

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Finance Supervisor
Margaret Frost
Finance Assistant
Margaret Roach
Accounts Payable Officer
Helen Dahlén
Debtors/Student Fees
Chandar Sen Gupta
Cashier
Vic Nageshwar

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Health Sciences Librarian
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Senior Librarian
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Senior Personnel Officer
Ramen Chetty
Personnel Officers
Marilyn Croft
Alan Frost
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Note
Unless otherwise specified, the qualifications listed are from the University of Sydney.
CHAPTER 1
School of Applied Vision Sciences

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 1.1. Electives may be special electives offered by this course or selected from the list of those offered elsewhere within the Faculty of Health Sciences (see the listing under Table 1.2).

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 1.2. The first year of the course is identical to that of the Graduate Certificate. In the second year students complete three electives in each semester.

Electives may be special electives offered by this course or selected from the list of those offered elsewhere within the Faculty of Health Sciences (see the listing under Table 1.2).

Table 1.1: Graduate Certificate of Health Science (Vision Impairment)
<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td>1414</td>
<td>Part-time; 2 semesters</td>
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<td></td>
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<tr>
<td>Total credit points: 24</td>
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<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td>ORTH 5002 (14505)</td>
<td>Impact of Vision Impairment</td>
<td>4</td>
<td></td>
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<tr>
<td>ORTH 5003 (14506)</td>
<td>Introduction to Orientation and Mobility</td>
<td>4</td>
<td></td>
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<td></td>
<td>Elective A</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ORTH 5004 (14507)</td>
<td>Assessment of Vision Impairment</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ORTH 5005 (14508)</td>
<td>Management of the Client with Vision Impairment</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective B</td>
<td>4</td>
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</tbody>
</table>

Stage total (24 credit points) | 12 | 12
**Table 1.2: Graduate Diploma of Health Science (Vision Impairment)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Old code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Full-time; 2 Semesters</td>
<td>ORTH 5002</td>
<td>(14505)</td>
<td>Impact of Vision Impairment</td>
<td>4</td>
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</tr>
<tr>
<td>1413</td>
<td>Part-time; 4 Semesters</td>
<td>ORTH 5003</td>
<td>(14506)</td>
<td>Introduction to Orientation and Mobility</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ORTH 5004</td>
<td>(14507)</td>
<td>Assessment of Vision Impairment</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ORTH 5005</td>
<td>(14508)</td>
<td>Management of the Client with Vision Impairment</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Elective</td>
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<td>4</td>
</tr>
</tbody>
</table>

Stage total (24 credit points for Year 1)  **12**  **12**

**Year 2**

<table>
<thead>
<tr>
<th>Unit code</th>
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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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</thead>
<tbody>
<tr>
<td>ORTH 5007</td>
<td>(14510)</td>
<td>Orientation and Mobility Skills 2</td>
<td></td>
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</tr>
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<td>ORTH 5008</td>
<td>(14511)</td>
<td>Assessment of Residual Vision</td>
<td>12</td>
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</tr>
<tr>
<td>ORTH 5009</td>
<td>(14512)</td>
<td>Functional Implications of Vision Impairment</td>
<td></td>
<td>12</td>
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<tr>
<td>ORTH 5010</td>
<td>(14513)</td>
<td>Vision Enhancement</td>
<td>12</td>
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<tr>
<td>ORTH 5011</td>
<td>(14514)</td>
<td>Vision Efficiency Training</td>
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<td>(14515)</td>
<td>Environmental Modification</td>
<td>12</td>
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</tr>
<tr>
<td>ORTH 5013</td>
<td>(14516)</td>
<td>Vision Impaired Children and Their Families</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>(14517)</td>
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<td>Assessment and Management of Clients with Additional Impairments</td>
<td></td>
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<tr>
<td>ORTH 5016</td>
<td>(14519)</td>
<td>Community Based Rehabilitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ORTH 5017</td>
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<td></td>
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</tr>
<tr>
<td>ORTH 5019</td>
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<td>12</td>
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<tr>
<td>ORTH 5020</td>
<td>(14523)</td>
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</tr>
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</table>

Note: Most of these electives will include a clinical/fieldwork practicum.

**Vision Impairment electives (see units of study in this chapter)**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Old code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<td>Functional Implications of Vision Impairment</td>
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<td>ORTH 5010</td>
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<td>Vision Enhancement</td>
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<tr>
<td>ORTH 5011</td>
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<td>Vision Efficiency Training</td>
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<td>Environmental Modification</td>
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<tr>
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<td>Vision Impaired Children and Their Families</td>
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<td>ORTH 5020</td>
<td>(14523)</td>
<td>Special Study B</td>
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</tr>
</tbody>
</table>

**Electives**

Students may also select from the electives listed in Table 1.2 which have been identified as being of particular relevance to the aims of this program. However, other post graduate electives within the Faculty of Health Sciences may be approved if they are shown to be relevant to a particular student's needs, and carry appropriate units.

Details of these electives are presented in Chapter 13.
**Chapter 1 - School of Applied Vision Sciences**

**Master of Applied Science (Orthoptics) by Research**

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

**Admission requirements**

**Pass level entry**

Applicants should possess either:

i) A Bachelor of Applied Science in Orthoptics from the Faculty of Health Sciences, the University of Sydney; or

ii) A Bachelor of Applied Science deemed to be equivalent to the above; or

iii) A Diploma of Applied Science in Orthoptics from Cumberland College of Health Sciences PLUS other evidence of professional development or qualifications which will satisfy the Graduate Studies Committee that the applicant possesses the educational preparation and capacity to pursue graduate studies; or

iv) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii) and (iii).

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

**Honours level entry**

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

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

**Time limits**

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

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

**Course outline**

The course outline for the Master of Applied Science (Orthoptics) by research is presented in Table 1.3.

---

**Table 1.3: Master of Applied Science (Orthoptics) by Research**

<table>
<thead>
<tr>
<th>Course code (old code)</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1409</td>
<td>Special Program (for Master’s qualifying students)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1407</td>
<td>Full-time; minimum 2 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1408</td>
<td>Part-time; minimum 3 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total credit points: 48</td>
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<td></td>
</tr>
<tr>
<td>Full-time mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1</td>
<td></td>
<td>BACH 5253 (2557V)</td>
<td>Intermediate Statistics</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ORTH 6006 (14602)</td>
<td>Research Thesis</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ORTH 6007 (14603)</td>
<td>Research Thesis</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Research Elective</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Stage total (48 credit points for Year 1)</td>
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<td>24</td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td>ORTH 6007 (14603)</td>
<td>Research Thesis</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>ORTH 6008 (14604)</td>
<td>Research Thesis</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Part-time mode</td>
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<td></td>
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</tr>
<tr>
<td>Year 1</td>
<td></td>
<td>BACH 5253 (2557V)</td>
<td>Intermediate Statistics</td>
<td>6</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>Research Elective$^1$</td>
<td>6</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>ORTH 6009 (14605)</td>
<td>Research Thesis</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Year 2 (and subsequent years)</td>
<td></td>
<td>ORTH 6006 (14602)</td>
<td>Research Thesis</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>ORTH 6009 (14605)</td>
<td>Research Thesis</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes to Table 1.3

1. Students may elect to enrol in Research Elective in Year 1 or 2, subject to availability and timetabling constraints (see chapter 13 for list of available Research Electives).
Units of study

BACH 5253 Intermediate Statistics
Old code 2557V. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Dr Zakia Hossain, (02) 9351 9340. Offered: February, July.
Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. Assumed knowledge: Basic statistics and research design. Classes: on-campus. Night classes. Assessment: written reports, written examination. In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

ORTH 5002 Impact of Vision Impairment
Old code 14505.4 credit points. Offered: February.
Causes of vision impairment are introduced, with particular emphasis on the type and impact of the vision loss. Residual function, and the educational implications of specific eye conditions and the psychosocial impact of vision impairment are studied, along with the epidemiology of vision impairment in developed and developing countries.

ORTH 5003 Introduction to Orientation and Mobility Skills
Old code 14506.4 credit points. Offered: February.
In this unit students will be introduced to the principles of orientation and mobility instruction. Special emphasis will be on how to train a vision impaired person in the correct use and selection of the full range of sighted guide skills, strategies for safe indoor travel and self protection techniques.

ORTH 5004 Assessment of Vision Impairment
Old code 14507.4 credit points. Offered: July.
Practical skills in the assessment of vision impairment and residual vision function are developed, along with the functional assessment of the client’s abilities and needs, and the effects of the vision impairment on activities of daily living. Assessment of the client with additional impairments is also introduced.

ORTH 5005 Management of the Client with Vision Impairment
Old code 14508.4 credit points. Offered: July.
Basic counselling skills are introduced. Case management and the choice of appropriate techniques are introduced, including vision enhancement techniques, vision efficiency training and environmental modification.

ORTH 5007 Orientation and Mobility Skills 2
Old code 14510.4 credit points. Offered: February, July.
Skills introduced in the core orientation and mobility unit are further developed to include orientation to outdoor routes, development of the full range of cane skills required for safe outdoor travel and utilisation of public transport. (This unit may be delivered in a block mode).

ORTH 5008 Assessment of Residual Vision
Old code 14511.4 credit points. Offered: February, July.
The skills introduced in the core unit are further developed to enable skilful assessment and reporting on a wide range of conditions. Modification of these procedures for different age groups and abilities are also developed.

ORTH 5009 Functional Implications of Vision Impairment
Old code 14512.4 credit points. Offered: February, July.
This elective allows for further development of the skills of analysing the client’s vision impairment in relation to their environment and personal needs, and identifying resulting significant functional implications.

ORTH 5010 Vision Enhancement
Old code 14513.4 credit points. Offered: February, July.
This module develops the skills of identifying and choosing appropriate methods of vision enhancement for different clients, and of instructing the client in their use. Methods used include modification of lighting, optical magnifiers, closed circuit TV and computer based devices.

ORTH 5011 Vision Efficiency Training
Old code 14514.4 credit points. Offered: February, July.
The techniques of eccentric viewing training, hemianopia strategies and null point training are studied in detail, along with identification of appropriate clients who would benefit from such skills. Emphasis is placed on the techniques of client instruction in these techniques.

ORTH 5012 Environmental Modification
Old code 14515.4 credit points. Offered: February, July.
Techniques for modifying the environment for the needs of particular clients are studied in detail. Existing standards and their applications to public areas and work place are discussed.

ORTH 5013 Vision Impaired Children and Their Families
Old code 14516.4 credit points. Offered: February, July.
The impact on the families of children with vision impairment are discussed. Strategies to overcome problems, including special techniques and the use of existing resources are studied in detail. The special needs of the children from birth to the completion of schooling are covered in this module.

ORTH 5014 Vision Impairment in the Elderly
Old code 14517.4 credit points. Offered: February.
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 (e.g., limited mobility, dementia) are studied in detail. Existing resources for the elderly client with vision impairment are discussed.

ORTH 5015 Assessment and Management of Clients with Additional Impairments
Old code 14518.4 credit points. Offered: February, July.
The principles of community based rehabilitation are introduced, and compared with other models of health delivery. The application of these principles, particularly in communities with limited resources are studied.

ORTH 5016 Community Based Rehabilitation
Old code 14519.4 credit points. Offered: February, July.
The principles of community based rehabilitation are introduced, and compared with other models of health delivery. The application of these principles, particularly in communities with limited resources are studied.

ORTH 5017 Orientation and Mobility Skills 3
Old code 14520.4 credit points. Offered: February, July.
Prerequisite: Orientation and Mobility Skills 2.
These electives are designed for the student who wishes to become proficient in advanced orientation and mobility skills. They encompass advanced skills for assisting the multi-impaired, utilising telescopic aids in the dynamic environment and issues related to the client with cortical vision impairment. A significant component of supervised practice will be included in each unit.

ORTH 5018 Orientation and Mobility Skills 4
Old code 14521.4 credit points. Offered: February, July.
Prerequisite: Orientation and Mobility Skills 3.
These electives are designed for the student who wishes to become proficient in advanced orientation and mobility skills. They encompass advanced skills for assisting the multi-impaired, utilising telescopic aids in the dynamic environment and issues related to the client with cortical vision impairment. A significant component of supervised practice will be included in each unit.
ORTH 5019  **Special Study A**  
Old code 14522.4 credit points. Offered: February, July.  
Special studies will be structured to meet students' needs if appropriate units are not available elsewhere within this program. Appropriate outside resources may be accessed to enable study at a sufficient level and proficiency to satisfy the Head of School that the study is appropriate within this program.

ORTH 5020  **Special Study B**  
Old code 14523.4 credit points. Offered: February, July.  
Special studies will be structured to meet students' needs if appropriate units are not available elsewhere within this program. Appropriate outside resources may be accessed to enable study at a sufficient level and proficiency to satisfy the Head of School that the study is appropriate within this program.

ORTH 6006  **Research Thesis**  
Old code 14602.12 credit points. Offered: February.  
The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.  
Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH 6007  **Research Thesis**  
Old code 14603.24 credit points. Offered: July.  
The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.  
Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH 6008  **Research Thesis**  
Old code 14604. Offered: February, July.  
The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.  
Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

ORTH 6009  **Research Thesis**  
Old code 14605. Offered: February, July.  
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.
CHAPTER 2
School of Behavioural and Community Health Sciences

Graduate Certificate of Health Science (Behavioural Science) and Master of Health Science (Behavioural Science) by Coursework

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

For the Graduate Certificate there are no core units. However, students are strongly encouraged to enrol in BACH 5186 Graduate Skills for Professional Development. For the Master’s there are no core units specified. However, all Masters’ students are required to do one research elective. For both coursework programs at least 50 percent of the coursework electives must be in Behavioural Science. Electives are chosen by students in consultation with the Program Coordinator.

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

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

Students must complete four units for the Graduate Certificate of Health Science (Behavioural Science) by coursework. Students must complete eight units for the Master of Health Science (Behavioural Science) by coursework. Masters students wishing to take the award with honours will also complete a dissertation in semester three (full-time enrolment) or part-time equivalent. For students seeking registration with the NSW Psychologists’ Registration Board the Master of Health Science (Behavioural Science) is an approved fourth year course. However, 80 per cent of electives chosen need to be psychology elective.

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

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

i) A Bachelor degree with a major in anthropology, sociology or psychology; or

ii) A Bachelor degree in social work; or

iii) An approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences; or

iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

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

Course outlines
The course outlines for graduate coursework studies in Behavioural Science are presented in Tables 2.1, 2.2 and 2.2.1.

Table 2.1: Graduate Certificate of Health Science (Behavioural Science)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
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<td>Elective</td>
<td>6 or 6</td>
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</tr>
<tr>
<td>2545</td>
<td>Part-time; minimum 1 year or 2 semesters</td>
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<td>Elective</td>
<td>6 or 6</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>Elective</td>
<td>6 or 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>Elective</td>
<td>6 or 6</td>
<td></td>
</tr>
<tr>
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<td>Stage total (24 credit points for Year 1)</td>
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</table>

Part-time mode

Year 1

<table>
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<th>Unit name</th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
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<td>6</td>
<td>Elective</td>
<td>6 or 6</td>
<td></td>
</tr>
<tr>
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<td>Elective</td>
<td>6 or 6</td>
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</tr>
<tr>
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<td>Elective</td>
<td>6 or 6</td>
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<td>Elective</td>
<td>6 or 6</td>
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</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 1)</td>
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</table>
Table 2.2: Master of Health Science (Behavioural Science)

<table>
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<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
</tr>
</thead>
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<td>2540</td>
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<td>48</td>
</tr>
<tr>
<td>2541</td>
<td>Part-time; minimum 2 years</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
</table>

**Full-time mode**

*Year 1*
- Research elective (6 credit point) 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6

**Stage total (48 credit points for Year 1)** 24 or 24

*Part-time mode*

*Year 1*
- Research elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6

**Stage total (24 credit points for Year 1)** 12 or 12

*Year 2*
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6
- Elective 6 or 6

**Stage total (24 credit points for Year 2)** 12 or 12

Table 2.2.1: Master of Health Science (Behavioural Science) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2557</td>
<td>Honours; Full-time 1.5 years</td>
<td>60</td>
</tr>
<tr>
<td>2558</td>
<td>Honours; Part-time 2.5 years</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
</table>

**Full-time mode**

*Year 1*
- as per pass course

*Year 2 Honours*
- BACH 5263 (25585) Dissertation 12 or 12

**Stage total (60 credit points)**

**Part-time mode**

*Year 1 and Year 2*
- as per pass course

*Year 3 Honours*
- BACH 5263 (25585) Dissertation 12 or 12

**Stage total (60 credit points)**

Notes to Table 2.2.1

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

i) Obtain a credit average

ii) Obtain a distinction for at least two units

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

See information below for streams and refer to Chapter 13 for unit descriptions.
Elective streams

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

**Ageing/Gerontology (00E61A)**

- **BACH 5027 (2551G)** Mental Health in Later Life
- **BACH 5034 (2551N)** The Residential Care Setting and Older People
- **BACH 5036 (2551P)** Community Aged Care
- **BACH 5038 (2551R)** The Community Setting and Older People
- **BACH 5041 (2551U)** Introduction to Gerontology
- **BACH 5058 (2552B)** Residential Care Policies and Services
- **BACH 5147 (2554U)** Psychology of Ageing
- **BACH 5149 (2554X)** Ageing and Australian Society
- **BACH 5212 (2556Q)** Multicultural Issues in Gerontology
- **BACH 5216 (2556U)** Behavioural Aspects of Ageing

**BIOS 5018 (11433)** Health Dysfunction and Ageing

**BIOS 5041 (11502)** Biological Aspects of Ageing

**Child and Adolescent Health (25661A)**

- **BACH 5065 (2552G)** Therapy with Children, Adolescents and their Families
- **BACH 5138 (2554K)** Abnormal Psychology and Mental Health
- **BACH 5196 (2554C)** Contemporary Issues 1
- **BACH 5200 (2554E)** Contemporary Issues 2
- **BACH 5303 (2559F)** Psychological Assessment of Children & Adolescents

**Counselling (00E61A)**

- **BACH 5138 (2554K)** Abnormal Psychology and Mental Health
- **BACH 5139 (2554L)** Behaviour Modification and Cognitive Behaviour Therapy

**BACH 5143 (2554P)** Counselling

**BACH 5322 (2559T)** Advanced Counselling Skills

**BACH 5324 (2559Y)** Psychotherapy

**Education (00E61A)**

**List A (normally offered in February Semester)**

- **BACH 5001 (25500)** Adult Learning
- **BACH 5002 (25501)** Educational Design
- **BACH 5039 (2551S)** Large Group Teaching
- **BACH 5085 (25533)** Clinical Teaching and Supervision
- **BACH 5101 (2553J)** Distance Learning
- **BACH 5118 (25540)** Learning in Groups
- **BACH 5127 (25549)** Teaching with Technology
- **BACH 5128 (2554A)** Educational Innovation Project A
- **BACH 5151 (25550)** Independent Investigation I
- **BACH 5153 (25552)** Assessment of Learning
- **BACH 5228 (25576)** Computers for Teacher Productivity
- **BACH 5284 (2558Q)** Learning in the Workplace

**List B (normally offered in July Semester)**

- **BACH 5001 (25500)** Adult Learning
- **BACH 5002 (25501)** Educational Design
- **BACH 5003 (25502)** Facilitating Learning
- **BACH 5004 (25503)** Educational Practice
- **BACH 5007 (25506)** Curriculum Leadership
- **BACH 5008 (25507)** Health Promotion, Planning and Evaluation
- **BACH 5020 (25519)** Introduction to Educational Computing
- **BACH 5022 (2551B)** Independent Investigation II
- **BACH 5024 (2551D)** In-Service and Continuing Education in the Health Services
- **BACH 5025 (2551E)** Patient Education
- **BACH 5037 (2551Q)** Introduction to Health Education
- **BACH 5042 (2551V)** Teaching Clinical Reasoning
- **BACH 5044 (2551X)** Implementing Distance Learning
- **BACH 5047 (25520)** Teaching with Reduced Resources

**BACH 5116 (25534)** Developing a Web-Based Education

**BACH 5127 (25549)** Teaching with Technology

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

**Health Policy (00E61A)**

- **BACH 5070 (2552N)** Family and Caring in the Community
- **BACH 5148 (2554V)** Health Policy and Social Theory
- **BACH 5164 (2555D)** Occupational Health
- **BACH 5165 (2555E)** Post Trauma Stress
- **BACH 5174 (2555N)** Social Theory and Special Groups

**BACH 5180 (2555T)** Stress and Illness

**BACH 5196 (2556A)** International Health:Sociological Analysis

**BACH 5266 (25588)** Ecological, Environmental and Nutritional Health

**BACH 5286 (2558S)** Ethnic Minorities and Health Care in Australia

**BACH 5291 (2558X)** Occupational Rehabilitation

**BACH 5305 (2559B/BX)** Risk Management and Rehabilitation Policy

**BACH 5306 (2559C)** Health Risk Management (International Perspective)

**BACH 5319 (2559P)** Health, Population and Policy Development

**Information Technology**

- **BACH 5020 (25519)** Introduction to Educational Computing
- **BACH 5116 (25534)** Developing a Web-Based Education System

**BACH 5208 (2556M)** Introduction to Computers and the Internet

**Organisation and Management Studies**

- **BACH 5213 (2556R)** Law and the Health Services
- **BACH 5224 (25572)** Organisational Management
- **BACH 5226 (25574)** Organisational Structures in Health

**BACH 5290 (2558W)** Organisational Psychology Contexts

**Rehabilitation Counselling (00E61A)**

- See Program Coordinator.

**Research electives (6 credit points)**

- **BACH 5011(25510)** Survey Research Methods
- **BACH 5061 (2552E)** Statistical Analysis with SPSS
- **BACH 5067 (2552F)** Computer Applications in Research Methods
- **BACH 5070 (2552N)** Family and Caring in the Community
- **BACH 5076 (2552P)** Health Policy and Social Theory
- **BACH 5076 (2552P)** Occupational Health
- **BACH 5076 (2552P)** Post Trauma Stress
- **BACH 5076 (2552P)** Social Theory and Special Groups

**BACH 5116 (25534)** Developing a Web-Based Education

**BACH 5127 (25549)** Teaching with Technology

**BACH 5128 (2554A)** Educational Innovation Project A

**BACH 5151 (25550)** Independent Investigation I

**BACH 5153 (25552)** Assessment of Learning

**BACH 5228 (25576)** Computers for Teacher Productivity

**BACH 5284 (2558Q)** Learning in the Workplace

**BACH 5001 (25500)** Adult Learning

**BACH 5002 (25501)** Educational Design

**BACH 5003 (25502)** Facilitating Learning

**BACH 5004 (25503)** Educational Practice

**BACH 5007 (25506)** Curriculum Leadership

**BACH 5008 (25507)** Health Promotion, Planning and Evaluation

**BACH 5020 (25519)** Introduction to Educational Computing

**BACH 5022 (2551B)** Independent Investigation II

**BACH 5024 (2551D)** In-Service and Continuing Education in the Health Services

**BACH 5025 (2551E)** Patient Education

**BACH 5037 (2551Q)** Introduction to Health Education

**BACH 5042 (2551V)** Teaching Clinical Reasoning

**BACH 5044 (2551X)** Implementing Distance Learning

**BACH 5047 (25520)** Teaching with Reduced Resources

**BACH 5116 (25534)** Developing a Web-Based Education System

**BACH 5129 (2554B)** Educational Innovation Project B
Chapter 2 - School of Behavioural and Community Health Sciences

Preferred stream

For master's students, in addition to the core electives students need to select three other electives from the list of those available in the Faculty. However, students are encouraged to select electives from the Child and Adolescent stream where possible.

Note: Students who choose Abnormal Psychology and Mental Health should not also choose Contemporary Issues 2 (and vice versa). Students will need to familiarise themselves with the semesters that the different Child and Adolescent Health electives are offered to ensure that over the period of enrolment the required electives are completed.

Admission requirements

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

i) A bachelor degree with a major in anthropology, sociology or psychology; or

ii) A bachelor degree in social work; or

iii) An approved bachelor degree in a health profession with satisfactory performance in behavioural sciences; or

iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

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

Course outlines

The course outlines for graduate coursework studies in Child and Adolescent Health are presented in Table 2.3, 2.4 and 2.4.1.
### Table 2.3: Graduate Certificate of Health Science (Child and Adolescent Health)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>2550</td>
<td>Full-time; minimum 0.5 year or 1 semester</td>
<td></td>
</tr>
<tr>
<td>2551</td>
<td>Part-time; minimum 1 year or 2 semesters</td>
<td></td>
</tr>
</tbody>
</table>

#### Full-time mode

**Year 1**

<table>
<thead>
<tr>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Stage total (24 credit points for Year 1)</td>
<td>24</td>
<td>or 24</td>
</tr>
</tbody>
</table>

**Part-time mode**

**Year 1**

<table>
<thead>
<tr>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Stage total (24 credit points for Year 1)</td>
<td>12</td>
<td>or 12</td>
</tr>
</tbody>
</table>

#### Notes to Table 2.3

See earlier in this chapter for Child and Adolescent Health elective units of study, and see chapters 7 and 13 for unit descriptions.

### Table 2.4: Master of Health Science (Child and Adolescent Health) by Coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>2546</td>
<td>Full-time; minimum 1 year</td>
<td></td>
</tr>
<tr>
<td>2547</td>
<td>Part-time; minimum 2 years</td>
<td></td>
</tr>
</tbody>
</table>

#### Full-time mode

**Year 1**

<table>
<thead>
<tr>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Stage total (48 credit points for Year 1)</td>
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<td>or 24</td>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Child and Adolescent Health elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>Stage total (24 credit points for Year 2)</td>
<td>12</td>
<td>or 12</td>
</tr>
</tbody>
</table>
Chapter 2 - School of Behavioural and Community Health Sciences

**Table 2.4.1: Master of Health Science (Child and Adolescent Health) Honours by Coursework**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2562</td>
<td>Full-time Honours; 1.5 years</td>
<td>60</td>
</tr>
<tr>
<td>2563</td>
<td>Part-time Honours; 2.5 years</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5263 (25585)</td>
<td>Dissertation</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

**Notes to Table 2.4.1**

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

---

**Master of Applied Science (Behavioural Science) by Research**

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

**Admission requirements**

In order to qualify for the Research Master's Program applicants shall have:

1. A Bachelor degree with a major in anthropology, sociology or psychology;
2. A Bachelor degree in social work;
3. An approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences;
4. 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 2.5.

**BACH 9004 (25930) Special Program for Qualifying Students**

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

**A. Research Electives**

See Chapter 13.

**B. Research Thesis A/Research Thesis B**

(For unit numbers please refer to Table 2.5)

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

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

6 credit points

Students may be required to undertake elective studies in consultation with their supervisor. The semester in which these units are likely to be offered and its unit descriptions are indicated in Chapter 13.
Health Science (Education)

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

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

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

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

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

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

Admission requirements

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

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

ii) submit other evidence of general and professional qualifications and/or experience, as well as satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and

iii) have completed a minimum of one year full-time experience as a health professional.

Current or recent experience in teaching is considered desirable.

Course outline

The course outline for the Graduate Certificate of Health Science (Education) by coursework is presented in Table 2.6. Units of study are described later in this chapter. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in chapter 13.

Table 2.6: Graduate Certificate of Health Science (Education)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 24 (minimum)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2529</td>
<td>Full-time; 1 semester</td>
<td></td>
</tr>
<tr>
<td>2530</td>
<td>Part-time; 2 semesters</td>
<td></td>
</tr>
<tr>
<td>2522</td>
<td>Off-campus; 2 semesters</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time mode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACH 5001 (25500)</td>
<td>Adult Learning</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>BACH 5002 (25501)</td>
<td>Educational Design</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Elective A</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Elective B</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Stage total (24 credit points)</td>
<td>24</td>
<td>or 24</td>
<td></td>
</tr>
</tbody>
</table>

| Part-time mode       |                         |       |       |
| BACH 5001 (25500)    | Adult Learning          | 6     | 6     |
| BACH 5002 (25501)    | Educational Design      | 6     | 6     |
| Elective A           | 6                       | 6     |
| Elective B           | 6                       | 6     |
| Stage total (24 credit points) | 12     | or 12 |

Notes to Table 2.6

i) Adult Learning must be undertaken in the first semester of entry to the program.

ii) Participants undertake to study two (2) electives of 6 credit points. Generally these electives are taken from List A or List B.

iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.
Graduate Diploma of Health Science (Education)

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

Admission requirements

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

i) hold a Bachelor degree in a health sciences field or other relevant area; or
ii) have such professional qualifications and/or experience that will satisfy the Faculty; or
iii) have a minimum of one year's full-time professional experience.

Current or recent experience in teaching will be considered desirable.

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

Course outline

The course outline for the Graduate Diploma of Health Science (Education) is presented in Table 2.7. Units of study are described later in this chapter. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in chapter 13.

Table 2.7: Graduate Diploma of Health Science (Education)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2528</td>
<td>Part-time; 3 semesters</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td>2523</td>
<td>Off-campus; 3 semesters</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
</tbody>
</table>

Credit points: 36 (minimum)

Part-time mode

Year 1

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5001 (25500)</td>
<td>Adult Learning</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>BACH 5002 (25501)</td>
<td>Educational Design</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Elective A</td>
<td>6</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td>Elective B</td>
<td>6</td>
<td>6 or 6</td>
<td></td>
</tr>
</tbody>
</table>

Stage total (24 credit points for Year 1) 12 and 12

Year 2

<table>
<thead>
<tr>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective C</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Elective D</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (12 credit points for Year 2) 12 or 12

Notes to Table 2.7

i) Adult Learning must be undertaken in the first semester of entry to the program.
ii) Participants undertake to study four (4) elective of 6 credit points. Generally these electives are taken from List A or List B.
iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.
Chapter 2 - School of Behavioural and Community Health Sciences

Master of Health Science (Education) by Coursework

On successful completion of the Masters program students may apply for admission to the Master of Health Science Education (Honours). A participant who elects to exit early from the award of master may, on satisfactorily completing a minimum of 36 credit points, be awarded a Graduate Diploma of Health Science (Education). A participant who elects to exit early from the award of either master or graduate diploma may, on satisfactorily completing a minimum of 24 credit points, be awarded a Graduate Certificate of Health Science (Education). A participant who elects to exit early from the award of either master or graduate diploma may, on satisfactorily completing a minimum of 24 credit points, be awarded a Graduate Certificate of Health Science (Education). A participant who elects to exit early from the award of either master or graduate diploma may, on satisfactorily completing a minimum of 24 credit points, be awarded a Graduate Certificate of Health Science (Education).

Admission requirements

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

ii) submit other evidence of general and professional qualifications and/or experience, as well as satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and

iii) have completed at least one year full-time practice as a health science professional. Current or recent experience in teaching is considered desirable.

Course outline

The course outline for the Master of Health Science (Education) is presented in the Table 2.8. Units of study are described later in this chapter. Educational electives available in semester 1 and 2 are listed at the beginning of this chapter. Elective descriptions can be found in chapter 13.

Table 2.8: Master of Health Science (Education) by Coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2525</td>
<td>Full-time; 1 year on-campus</td>
<td>BACH 5001 (25500)</td>
<td>Adult Learning</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BACH 5002 (25501)</td>
<td>Educational Design</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective A</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective B</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective C</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective D</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective E</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective F</td>
<td>6 or 6</td>
<td>6 or 6</td>
</tr>
</tbody>
</table>

Stage total (48 credit points for Year 1) 24 24

Part-time mode

Year 1

BACH 5001 (25500) Adult Learning 6 or 6
BACH 5002 (25501) Educational Design 6 or 6
Elective A 6 or 6
Elective B 6 or 6
Elective C 6 or 6
Elective D 6 or 6
Elective E 6 or 6
Elective F 6 or 6

Stage total (24 credit points for Year 1) 12 12

Year 2

Elective C 6 or 6
Elective D 6 or 6
Elective E 6 or 6
Elective F 6 or 6

Stage total (24 credit points for Year 2) 12 12

Notes to Table 2.8

i) Adult Learning must be undertaken in the first semester of entry to the program.

ii) Participants undertake to study four (4) elective of 6 credit points. Generally these electives are taken from List A or List B.

iii) Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes.
Master of Health Science (Education) Honours by Coursework

This course offers the opportunity for educators in the health sciences who have completed the Master of Health Science Education to have the master degree awarded with honours following the completion of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem. An honours candidate will be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed worth 12 credit points and will normally be completed within one semester.

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

Course outline
The course outline for the Master of Health Science (Education) Honours by Coursework is presented in Table 2.8.1.

Table 2.8.1: Master of Health Science (Education) Honours by Coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2564</td>
<td>Honours full-time; on-campus</td>
<td>25585</td>
<td>Dissertation</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>2565</td>
<td>Honours part-time; on-campus</td>
<td></td>
<td></td>
<td>or 12</td>
<td></td>
</tr>
<tr>
<td>2566</td>
<td>Honours off-campus</td>
<td>25585</td>
<td>Dissertation</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

Full-time mode

Year 1

as per pass course

Part-time mode

Year 1 and Year 2

as per pass course

Year 3 Honours

BACH 5263 (25585) Dissertation 12 or 12

Stage total (12 credit points for Year 3) 60

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) have completed at least two years full-time work in their professional field; and

Course outline

The course outline for the Master of Applied Science (Education) by Research is presented in Table 2.9.

Table 2.9: Master of Applied Science (Education) by Research

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2506</td>
<td>Full-time; minimum 2 years</td>
<td>25601</td>
<td>Research Thesis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2507</td>
<td>Part-time; minimum 3 years</td>
<td>25602</td>
<td>Research Thesis</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full-time mode

Year 1 (and subsequent years)

BACH 6002 (25601) Research Thesis
BACH 6003 (25602) Research Thesis

Part-time mode

Year 1 (and subsequent years)

BACH 6002 (25601) Research Thesis
BACH 6003 (25602) Research Thesis
Master of Health Science (Gerontology) by coursework

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

The course structure reflects the need for professionals to understand the theoretical basis of gerontology and its application in specialised areas of knowledge about ageing and older people. To this end, participants undertake one core unit of study (Introduction to Gerontology) and a choice of specialist electives in Gerontology (to a total of at least 18 credit points). Participants may choose additional units from other award programs offered by the School in areas such as counselling, management, policy and planning, education, research methods, information technology, and international health. Participants should discuss their program of study options with the Course Coordinator.

Note: International students and participants without a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

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

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

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

i) A Bachelor degree in an area of occupational relevance such as the health, welfare, social or biological sciences; or

ii) Overseas qualifications acceptable to the Faculty; or

iii) Other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by Faculty.

Course outline
The course outlines for the Master of Health Science (Gerontology) by Coursework and Master of Health Science (Gerontology) Honours by Coursework are presented in Table 2.10 and 2.10.1.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>2520</td>
<td>Full-time; 1 years</td>
<td></td>
</tr>
<tr>
<td>2521</td>
<td>Part-time; 2 years</td>
<td></td>
</tr>
<tr>
<td>2533</td>
<td>Off-campus; 2 years</td>
<td></td>
</tr>
</tbody>
</table>

### Table 2.10: Master of Health Science (Gerontology) by coursework

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5041 (2551U)</td>
<td>Introduction to Gerontology</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>3 Electives (6 credit points each)</td>
<td>18</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>4 Electives (6 credit points each)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage total (48 credit points for Year 1)</td>
<td>24</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

### Part-time mode

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Elective</th>
<th>Stage total (24 credit points for Year 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5041 (2551U)</td>
<td>Introduction to Gerontology</td>
<td>6 or 6</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>2 Electives (6 credit points each)</td>
<td>6</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stage total (24 credit points for Year 1)</td>
<td>12</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2</th>
<th>Elective</th>
<th>Stage total (24 credit points for Year 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Electives (6 credit points each)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>2 Electives (6 credit points each)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Stage total (24 credit points for Year 2)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

17
Master of Applied Science (Gerontology) by Research

This course provides the opportunity for research in gerontology.

Admission requirements

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

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

ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research.

iii) satisfy such additional requirements for admission to the program, if any, as may be prescribed.

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

Course outline

The course outline for the Master of Applied Science (Gerontology) by Research is presented in Table 2.11.

Table 2.10.1: Master of Health Science (Gerontology) Honours by coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2567</td>
<td>Honours Full-time; 1.5 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2568</td>
<td>Honours Part-time; 2.5 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2569</td>
<td>Honours Off-Campus; 2.5 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Credit points: 60

Unit code (old code) Unit name

<table>
<thead>
<tr>
<th>Full-time mode</th>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>as per pass course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 Honours Year</th>
<th>BACH 5263 (25585)</th>
<th>Dissertation</th>
<th>12</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stage</td>
<td>total</td>
<td>(12</td>
<td>credit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part-time mode</th>
<th>Year 1 and Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>as per pass course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3 Honours</th>
<th>BACH 5263 (25585)</th>
<th>Dissertation</th>
<th>12</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Stage</td>
<td>total</td>
<td>(12</td>
<td>credit</td>
</tr>
</tbody>
</table>

Notes to Table 2.10.1

Students study a total of seven elective units; each unit is 6 credit points. At least three elective units must be chosen from the Ageing/Gerontology stream. The electives offered may vary according to staff availability and student demand. With the approval of the School, students may choose remaining electives from units within other study streams, including research electives. Elective units within different study streams are listed later in this chapter. For a list of unit descriptions see Chapter 13.

Table 2.11: Master of Applied Science (Gerontology) by research

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2508</td>
<td>Full-time; minimum 2 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2509</td>
<td>Part-time; minimum 3 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2561</td>
<td>Off-campus</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Unit code (old code) Unit name

<table>
<thead>
<tr>
<th>Full-time mode</th>
<th>Year 1 (and subsequent years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 6019 (25618)</td>
<td>Research Thesis</td>
</tr>
<tr>
<td>BACH 6020 (25619)</td>
<td>Research Thesis</td>
</tr>
<tr>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part-time mode</th>
<th>Year 1 (and subsequent years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 6019 (25618)</td>
<td>Research Thesis</td>
</tr>
<tr>
<td>BACH 6020 (25619)</td>
<td>Research Thesis</td>
</tr>
<tr>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>
Graduate Diploma in Rehabilitation Counselling

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

Admission requirements
In order to qualify for admission to the Graduate Diploma in Rehabilitation Counselling course, applicants must:

i) have completed a Bachelor degree in an appropriate area other than 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; 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 2.12.

Table 2.12: Graduate Diploma in Rehabilitation Counselling

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Mod of offer</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td>REHB 5012</td>
<td>Off-Campus, full time: 1 year</td>
<td>Medical Aspects of Disability</td>
</tr>
<tr>
<td>REHB 5043</td>
<td>Off-Campus, part time: 2 years to 5 years</td>
<td>Rehabilitation Counselling A</td>
</tr>
<tr>
<td>REHB 5044</td>
<td></td>
<td>Vocational Development and Vocational Counselling</td>
</tr>
<tr>
<td>REHB 5045</td>
<td></td>
<td>Rehabilitation Theory</td>
</tr>
<tr>
<td>REHB 5046</td>
<td></td>
<td>Work Injury and Disability</td>
</tr>
<tr>
<td>REHB 5047</td>
<td></td>
<td>Psychosocial Aspects of Disability</td>
</tr>
<tr>
<td>REHB 5048</td>
<td></td>
<td>Field Experience I</td>
</tr>
<tr>
<td>REHB 5049</td>
<td></td>
<td>Professional Elective</td>
</tr>
<tr>
<td>REHB 5050</td>
<td></td>
<td>Rehabilitation Counselling B</td>
</tr>
<tr>
<td>REHB 5051</td>
<td></td>
<td>Client Assessment and Job Placement</td>
</tr>
<tr>
<td>REHB 5052</td>
<td></td>
<td>Rehabilitation Case and Caseload Management</td>
</tr>
<tr>
<td>REHB 5053</td>
<td></td>
<td>Legal Aspects of Rehabilitation</td>
</tr>
<tr>
<td>REHB 5054</td>
<td></td>
<td>Workers Compensation and Rehabilitation</td>
</tr>
<tr>
<td>REHB 5055</td>
<td></td>
<td>Field Experience II</td>
</tr>
<tr>
<td>REHB 5056</td>
<td></td>
<td>Professional Elective</td>
</tr>
</tbody>
</table>

Stage Total (48 credit points for Year 1) 24 24

Notes to Table 2.12
1. Entry is in February only. There is no mid-year intake. Part-time students may select from the total units offered, keeping in mind that some Semester 1 units are prerequisites for some Semester 2 units, as follows:
2. Rehabilitation Counselling A is a prerequisite to REHB 5049 Rehabilitation Counselling B.
3. Vocational Development and Vocational Counselling is a prerequisite to REHB 5050 Client Assessment and Job Placement and to REHB 5051 Rehabilitation Case and Caseload Management.
4. Field Experience includes two 5-week (total 385 hours) block placement at separate agencies, complemented by pre and post-placement tutorials. The first placement is usually taken in the mid-year inter-semester break, the second towards the end of Semester 2 and into the end-of-year break. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.
5. Corequisites. These units require attendance at one 2-day weekend workshop (one day per unit).
6. Students choose from the following professional electives:
   Semester 1:
   REHB 5014 | Rehabilitation and Substance Abuse
   REHB 5018 | Rehabilitation of Persons with Developmental Disability
   REHB 5022 | Rehabilitation of Persons with Acquired Brain Injury
   REHB 5055 | Accident Compensation Schemes Practicum
   Semester 2:
   REHB 5016 | Rehabilitation of Public Offenders
   REHB 5020 | Rehabilitation and Older People
   REHB 5024 | Rehabilitation of Persons from NESB
   REHB 5032 | Rehabilitation of Persons Living with HrV/ArDS
   REHB 5042 | Psychiatric Rehabilitation
   REHB 5051 | Rehabilitation Case and Caseload Management

* On-campus attendance required on a weekly basis
** Not offered in 2001
# Not offered off-campus
Master of Rehabilitation Counselling by Coursework

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

Admission requirements

To qualify for admission to the Master degree by coursework in rehabilitation counselling, applicants must:
i) have completed a Bachelor degree in an appropriate area other than rehabilitation counselling with meritorious performance; or

ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Academic Board that the applicant possesses the educational preparation and capacity to undertake the coursework and treatise requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Academic Board; and

iii) It is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

Course outline

The course outline for the Master of Rehabilitation Counselling by Coursework is presented in Table 2.13.

Table 2.13: Master of Rehabilitation Counselling by Coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit name</th>
<th>Year 1</th>
<th>Year 2 (Semester 1)</th>
<th>Year 3 (on completion of all other coursework units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>REHB 5012</td>
<td>Full-time; 1.5 years (3 semesters); 72 credit points</td>
<td>Medical Aspects of Disability</td>
<td>3</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>REHB 5043</td>
<td>Off-Campus; 3 years (6 semesters); 76 credit points</td>
<td>Rehabilitation Counselling A</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>REHB 5044</td>
<td>Vocational Development and Vocational Counselling</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>REHB 5045</td>
<td>Rehabilitation Theory</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>REHB 5046</td>
<td>Work Injury and Disability</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>REHB 5047</td>
<td>Psychosocial Aspects of Disability</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>REHB 5048</td>
<td>Field Experience I</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>REHB 5049</td>
<td>Professional Elective</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>REHB 5050</td>
<td>Client Assessment and Job Placement</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td></td>
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<td>REHB 5051</td>
<td>Rehabilitation Case and Caseload Management</td>
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<td>Legal Aspects of Rehabilitation</td>
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<td>Field Experience II</td>
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Stage total (48 credit points for Year 1) 24 24

Full-time mode

Year 2 (Semester 1)

| REHB 5057 | Dissertation A | 9 | - |
| REHB 5058 | Dissertation B | - | 9 |
| REHB 5059 | Research Elective | 6 | - |

Stage total (24 credit points for Year 2) 24

Part-time mode

Year 3 (on completion of all other coursework units)

| REHB 5057 | Dissertation A | 9 | - |
| REHB 5058 | Dissertation B | - | 9 |
| REHB 5059 | Research Elective | 6 | - |

Stage total (24 credit points for Year 3) 15 9
Chapter 2 - School of Behavioural and Community Health Sciences

Notes to Table 2.13
1. Entry is in February only. There is no mid-year intake. Part-time students may select from the total units offered, keeping in mind that some Semester 1 units are prerequisites for some Semester 2 units, as follows:
2. Rehabilitation Counselling A is a prerequisite to REHB 5049 Rehabilitation Counselling B.
3. Vocational Development and Vocational Counselling is a prerequisite to REHB 5050 Client Assessment and Job Placement and to REHB 5051 Rehabilitation Case and Caseload Management.
4. Field Experience includes two 5-week (total 385 hours) block placement at separate agencies, complemented by pre and post-placement tutorials. The first placement is usually taken in the mid-year inter-semester break, the second towards the end of Semester 2 and into the end-of-year break. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.
5. Corequisites. These units require attendance at one 2-day weekend workshop (one day per unit).
6. Students choose from the following professional electives:
   - Semester 1:
     REHB 5014 (2553LX) Rehabilitation and Substance Abuse*
     REHB 5018 (2553N) Rehabilitation of Persons with Developmental Disability*
     REHB 5020 (2553PX) Rehabilitation of Persons with Acquired Brain Injury*
     REHB 5042 (255123) Accident Compensation Schemes Practicum*
   - Semester 2:
     REHB 5016 (2553MX) Rehabilitation of Public Offenders**
     REHB 5022 (25530X) Rehabilitation of Older People
     REHB 5024 (2553Q) Rehabilitation of Persons from NESB*
     REHB 5031 (2553U) Rehabilitation of Persons Living with HIV/AIDS**
     REHB 5042 (2551CX) Psychiatric Rehabilitation
     REHB 5051 (255119) Rehabilitation Case and Caseload Management
* On-campus attendance required on a weekly basis
** Not offered in 2001
# Not offered off-campus
7. Students select one of the units in consultation with the Course Coordinator. Some units are offered in Semester 1 and others in Semester 2. For the list of Research Electives, see Chapter 13.

Master of Applied Science (Rehabilitation Counselling) by Research
This course provides the opportunity for research in the areas of rehabilitation, rehabilitation counselling, rehabilitation administration, and the management of rehabilitation resources.

Admission requirements
In order to qualify for admission to the degree, applicants shall have completed:
   i) a Graduate Diploma of Health Science (Rehabilitation Counselling) or Bachelor of Health Science (Rehabilitation Counselling); or
   ii) an Associate Diploma of Health Science (Rehabilitation Counselling) plus a Bachelor degree with a major in psychology or other behavioural science unit; or
   iii) General and professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies. In addition, the applicant shall satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty. The applicant shall normally have had a minimum of one year of full-time relevant work experience in a rehabilitation setting.

Course outline
The course outline for the Master of Applied Science (Rehabilitation Counselling) by Research is presented in Table 2.14.

Table 2.14: Master of Applied Science (Rehabilitation Counselling) by Research
<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Year 1 (and subsequent years)</th>
<th>Year 1 (and subsequent years)</th>
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<td>Sem 1</td>
<td>Sem 2</td>
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<td>REHB 6007 (25606) Research Thesis</td>
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<td>REHB 6008 (25607) Research Thesis</td>
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</table>

Full-time mode

Year 1 (and subsequent years)
REHB 6007 (25606) Research Thesis
REHB 6008 (25607) Research Thesis

Part-time mode

Year 1 (and subsequent years)
REHB 6007 (25606) Research Thesis
REHB 6008 (25607) Research Thesis
Field experience and professional practice

Rehabilitation Counselling

Field experience is an essential component in the overall process of developing professional competence and identity as a rehabilitation counsellor. It not only provides students with an opportunity to apply, integrate, reinforce and assess theoretical learning, but also allows them to appreciate the way in which rehabilitation counsellors and other allied professionals contribute to the effectiveness of the rehabilitation process. Field placements are provided in a wide variety of rehabilitation and related health, welfare, vocational and independent living services in both the public and private sectors. The objectives of field experience are that the students be provided with opportunities to:

• develop competence and professional identity as rehabilitation counsellors
• integrate theory taught at the University with practice learnt in the field. Field experience provides the context where all segments of the coursework merge and gain meaning
• develop an understanding of the values and principles of rehabilitation counselling practice as applied in different fields/levels of application
• develop knowledge and skills in various rehabilitation counselling methods and related activities under the guidance, supervision and support of experienced practitioners in the service delivery environment
• develop confidence, independence and autonomy as practitioners. These objectives are fulfilled by placement blocks of supervised field practice complemented by supporting seminars, tutorials and agency visits. At least one placement is to be supervised by a practising/qualified rehabilitation counsellor. Graduate Diploma (Rehabilitation Counselling) and Masters (Rehabilitation Counselling) students are required to complete 385 hours. This includes two field placements at separate agencies, as per dates below.

Field placement dates - Graduate Diploma and Master of Rehabilitation Counselling

Semester 1
25 June to 20 July
Semester 2
15 October to 16 November

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

Units of study

BACH 5001  Adult Learning
Old code 25500/25500X. 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February, July. Classes: Night classes (starts after 4.00pm); external/distance mode; independent learning packages. Assessment: assignment based (no exam).

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education. Distance education and on-campus mode night classes with independent learning packages; two optional audioconferences; email support, web support. (If insufficient on-campus enrolments, then may be offered by distance only.)

BACH 5002  Educational Design

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

Textbooks
Non prescribed

BACH 5003  Facilitating Learning

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

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

Practical: Videoced practice of teaching skills in campus workshop or participants setting.

Textbooks

BACH 5004  Educational Practice

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

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

BACH 5007  Curriculum Leadership
Old code 25506/25506X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. Prerequisite: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning packages for all on-campus and off-campus mode. Evening classes held fortnightly for on-campus students if sufficient numbers. Email support. Assessment: assignment choices include essays or workplace project (no exam).
Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work.

**Textbooks**  
Non prescribed

**BACH 5008 Health Promotion, Planning and Evaluation**  
Old code 25507.6 credit points. Dr Carol O'Donnell, (02) 9351 9580.  
**Offered:** February, July.  
**Prerequisite:** Introduction to Health Education (08481). **Corequisite:** Introduction to Health Education (08481). **Classes:** Attendance required. **Assessment:** assignment (2000 words and 4000 words).

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

**BACH 5011 Survey Research Methods**  
Old code 25510.6 credit points. Dr Peter Chos, (02) 9351 9583 and Miss Kate O'Loughlin, (02) 9351 9531. Offered: February, July.  
**Classes:** Contract learning; night classes.

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

**BACH 5020 Introduction to Educational Computing**  
Old code 25519.6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: July. **Classes:** Attendance required; night classes. **Assessment:** (non exam) assignment based.

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

**BACH 5022 Independent Investigation II**  
Old code 2551 B2551 BX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July.  
**Prerequisite:** Negotiated. **Corequisite:** Adult Learning BACH 5001 (25500/2550X) and Educational Design BACH 5002 (25501/25501X). **Classes:** Contract learning.

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

**BACH 5024 In-Service and Continuing Education in Health Services**  
Old code 2551D/2551DX. 6 credit points. Ms Fran Everingham, (02) 9351 9118. Offered: July.  
**Assumed knowledge:** Adult Learning BACH 5001 (25500/2550X) and Educational Design BACH 5002 (25501/25501X). **Classes:** Workplace learning. **Assessment:** emails, assignments based.

This elective aims to provide opportunities for participants to explore the main challenges facing educators delivering in-service 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 in-service and continuing education are explored.

**Textbooks**  
Non prescribed

**BACH 5025 Patient Education**  
Old code 2551 E2551 EX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. **Prerequisite:** Not prescribed. **Assumed knowledge:** Adult Learning BACH 5001 (25500/2550X) and Educational Design BACH 5002 (25501/25501X). **Classes:** Independent learning packages for all. Distance and on-campus mode. **Assessment:** (non exam) assignment based.

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

**Textbooks**  
Non prescribed

**BACH 5026 Special Investigation**  
Old code 2551F. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: July. **Classes:** Contract learning. **Assessment:** negotiated learning contract.

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

**BACH 5027 Mental Health in Later Life**  
Old code 2551G. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. **Classes:** Independent learning package; external/distance mode. **Assessment:** two assignments.

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

**BACH 5028 Planning and Evaluation**  
Old code 2551H. 6 credit points. Dr Ian Hughes, (02) 9351 9582. Offered: July. **Classes:** Web based on-campus and off-campus. **Assessment:** continuous.

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

**BACH 5034 The Residential Care Setting and Older People**  
Old code 2551J. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. **Classes:** Independent learning package; external/distance mode. **Assessment:** three assignments.

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

**BACH 5036 Community Aged Care**  
Old code 2551 K. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. **Classes:** Contract learning. **Assessment:** negotiated learning contract.

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

**BACH 5037 Introduction to Health Education**  
Old code 2551L. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: Not offered in 2001. **Assumed knowledge:** Adult Learning BACH 5001 (25500/2550X) and Educational Design BACH 5002 (25501/25501X). **Classes:** Independent learning packages and email support. **Assessment:** (non exam) assignment based.

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

**Textbooks**  
Non prescribed
BACH 5038  The Community Setting and Older People
Old code 2551R. 6 credit points. Dr Cherry Russell, (02) 9351 9129.
This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

BACH 5039  Large Group Teaching
Old code 25515. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning package; external/distance mode (no classes). Assessment: (non exam) assignment based.
Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.

Distance education and on-campus mode (no classes) with independent learning packages and email support.

BACH 5041  Introduction to Gerontology
Old code 2551U. 6 credit points. Dr Cherry Russell, (02) 9351 9129.
This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. Topics include demographic ageing, social and professional attitudes and values, retirement, public policy, ageing and health, aged care.
Textbooks

BACH 5042  Teaching Clinical Reasoning
Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

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

BACH 5044  Implementing Distance Learning
This elective builds onto Distance Learning. You develop skills formulating distance course proposals, structuring materials; selecting and integrating media; promoting interactivity; and tackling the writing process for distance packages. Studies are by independent learning packages with teleconferences and webwize.

BACH 5047  Teaching with Reduced Resources
Old code 25520. 6 credit points. Ms Fran Everingham, (02) 9351 9118. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning package; for on-campus and off-campus (no classes). Assessment: essays, observation report (no exam).
This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education. Independent learning packages and email support. Assessment is (non exam) assignment based.

Practical: Video of self practicing skills.
Textbooks
None prescribed

BACH 5058  Residential Care Policies and Services
This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.

BACH 5061  Statistical Analysis with SPSS
Old code 2552E. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Pepper, (02) 9351 9589. Offered: February, July.
Classes: Contract learning including a small number of on-campus. Assessment: practical assignments.
This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.
Textbooks

BACH 5063  Therapy with Children, Adolescents and their Families
Old code 2552G. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Pepper, (02) 9351 9589. Offered: February, July.
Classes: Contract learning; Assessment: assignments.
Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.
Textbooks

BACH 5070  Family and Caring in the Community
Old code 2552N. Dr Gwynneth Llewellyn, (02) 9351 9373 and Dr Rosemary Cant, (02) 9351 9560. Offered: July. Classes: Block Mode.
This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers’ needs and circumstances? And how can health professionals support families in ways which are productive of the provision of reliable and effective family community care?

Textbooks
SPSS Analysis Without Anguish, Coakes, S.J. & Steel, L.G.

BACH 5085  Clinical Teaching and Supervision
In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

Distance education and on campus mode night classes with independent learning packages; email and web-support. (If there are insufficient on-campus enrolments, the unit may be offered by distance only.)

**Textbooks**

**BACH 5101 Distance Learning**
Old code 2553J. 6 credit points. Dr Mary Jane Mahoney, (02) 9351 9754. Offered: February. Assumed knowledge: Basic principles of adult learning and educational design. Classes: Independent learning package with one phone conference and supported by a website. One optional in-person meeting on the Cumberland Campus. **Assessment:** three assignments; proforma review of an existing distance/flexible learning situation, reflective journal, and proposal report, no examination.
Participants investigate contemporary distance and flexible education, examining both policy and practice, using a systems approach. They develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they also investigate one or more delivery media and critically evaluate its contribution to specified teaching/learning situations.

**BACH 5116 Developing a Web-based Education System**
Old code 2553Y/2553YX. 6 credit points. Ms Victoria Neville. (02) 9351 9118. Offered: July. Assumed knowledge: Basic computer skills. Classes: Web-based (distance and on-campus mode (night classes)). **Assessment:** assignment based (non exam).
Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop teaching context. This unit will be offered via the World Wide Web. **Textbooks**

**BACH 5118 Learning in Groups**
Old code 25540/25540X. 6 credit points. Ms Fran Everingham. (02) 9351 9118. Offered: February. **Classes:** Independent learning package; on-campus (held weekly) and off-campus. **Assessment:** assignment based (non exam).
Effectively functioning in any organisational setting is greatly enhanced by a knowledge of group dynamics. Any group interaction for the purpose of learning is more productive if likewise informed. Using the focus of the group and a series of task requirements participants gain both theoretical knowledge about the way in which group dynamics underpin small group learning and skills in facilitating the process, both as members and leaders of learning groups. Some knowledge of adult learning theory is an advantage (readings are suggested). **Textbooks**
- Various suggested

**BACH 5127 Teaching with Technology**
Old code 25549/25549X. 6 credit points. Ms Victoria Neville. (02) 9351 9118. Offered: February. **Corequisite:** Educational Design BACH 5002 (25501/25501X). Classes: Night classes; Independent learning package; external/ distance mode. **Assessment:** assignment based (non exam).
Learning materials play an essential role in motivating and enhancing understanding. Access to new technologies for teaching is increasing. You consider setting specific issues in the development of teaching materials and practice some techniques for using these.

Distance education and on campus mode (night classes) with independent learning packages and web and email support. (If insufficient on-campus enrolments, then may be offered by distance only.) **Textbooks**

**BACH 5128 Educational Innovation Project A (Health Science Education Only)**
Old code 2554A/2554AX. 6 credit points. Ms Virginia Neville. (02) 9351 9118 and subject specialists where relevant. Offered: February. **Classes:** Learning contract. **Assessment:** report based.
This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project. Supervised project available in distance education and on campus mode (night classes) with email support.

**BACH 5129 Educational Innovation Project B (Health Science Education Only)**
Old code 2554B/2554BX. 6 credit points. Ms Victoria Neville. (02) 9351 9118 and subject specialists where relevant. Offered: July. Assumed knowledge: Educational Design BACH 5002 (25501/25501X). **Classes:** Learning contract. **Assessment:** report based.
This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

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

**BACH 5138 Abnormal Psychology and Mental Health**
Old code 2554K/2554KX. 6 credit points. Dr Chris Lennings. (02) 9351 9587. Offered: February, July. **Prerequisite:** Undergraduate Psychology Units. **Classes:** Contract learning (Semester 1); external/distance mode (Semester 2). **Assessment:** five case studies; literature review.
This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural orders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSMIV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The Unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review. **Textbooks**

**BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy**
Old code 2554L. 6 credit points. Dr Mairwen Jones. Offered: February. **Classes:** Contract learning. **Assessment:** assignments and examination.
This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, directed independent study unit. **Textbooks**
BACH 5143 Counselling
Old code 2554P/2554PX. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July. Prerequisite: Undergraduate Psychology Units. Classes: Class attendance required (Semester 1); Distance Learning (Semester 2). Assessment: audio-tape; literature review. Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interviewing as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation or interview work as well as crises, upplacement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling. Textbooks

BACH 5147 Psychology of Ageing
Old code 2554U. 6 credit points. Dr Steve Cunningham, (02) 9351 9404, and Dr Lynn Harris, (02) 9351 9612. Classes: Contract learning. This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes in social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy ageing process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted. This is an on-campus directed independent study unit.

BACH 5148 Health Policy and Social Theory
Old code 2554V. 6 credit points. Mr Dennis McIntyre, (02) 9351 9567. Classes: Contract learning. This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issues covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg. consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention? This unit will be conducted in the on-campus mode during the Second Semester 2000 and will require two hours attendance (evenings) for 13 weeks.

BACH 5149 Ageing and Australian Society
Old code 2554X. 6 credit points. Ms Kate O'Loughlin, (02) 9351 9531. Classes: Contract learning. A sociological analysis of ageing in Australia will lead the student to understanding of the multiple relationships between social structures and processes, the individual experience of ageing and the position of elderly people in Australian society.

BACH 5151 Independent Investigation I
Old code 25550/25550X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February. Prerequisite: Negotiated. Assumed knowledge: Adult Learning BACH 5001 (25501/25501X) and Educational Design BACH 5002 (25502/25502X). Classes: Contract learning. Assessment: negotiated. This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

BACH 5153 Assessment of Learning
Old code 25552. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February. Prerequisite: Educational Design BACH 5002 (25502/25502X). Assumed knowledge: Knowledge of Adult Learning and Educational Design is useful. Classes: Independent learning package; external/distance mode. Evening classes held fortnightly for on-campus students. Assessment: two written assignments. Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches to study while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

Distance education and on campus mode night classes with independent learning packages, email and web support Textbooks
No prescribed text

BACH 5164 Occupational Health
Old code 2555D. 6 credit points. Dr Carol O'Donnell and Ms Kate O'Loughlin. Offered: February, July. Classes: Contract learning. Assessment: two assignments (2000 words and 4000 words). This unit teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers’ compensation, rehabilitation and re-training. Students will be required to gain access to a workplace and develop a prevention program proposal based on identification of risks and provision of strategies for their control. Practical: Yes.

BACH 5165 Post Trauma Stress
Old code 2555E. 6 credit points. Dr Gomathi Sitharthan, (02) 9351 9584. Offered: February, July. Classes: Contract learning. This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

BACH 5174 Social Theory and Special Groups
Old code 2555N. 6 credit points. Dr Rosemary Cant, (02) 9351 9560 and Ms Kate O'Loughlin, (02) 9351 9531. This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

BACH 5180 Stress and Illness
Old code 2555I. 6 credit points. Dr Gomathi Sitharthan, (02) 9351 9584. Offered: February, July. Classes: Contract learning. Assessment: assignments. The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as...
This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; and mental health issues. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; and mental health issues.

Textbooks


BACH 5196 International Health: Sociological Analysis

Old code 2556A/2556AX. 6 credit points. Dr Zakia Hossain, (02) 9351 9340 and Ms Ann Hale, (02) 9351 9578. Offered: July. Classes: Independent learning package; external/distance mode.

Assessment: project and assignment.

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

Textbooks

Materials from various sources

BACH 5198 Contemporary Issues I

Old code 2556C. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July.

Prerequisite: Undergraduate Psychology Units or Psychology for Graduate Students. Classes: Contract Learning or Distance Mode.

Assessment: four annotated bibliographies and one literature review.

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

Textbooks

Readings (supplied)

BACH 5200 Contemporary Issues II

Old code 2556E. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: July. Prerequisite: Contemporary Issues I BACH 5198 (2556C). Classes: Contract Learning or Distance Mode.

Assessment: four annotated bibliographies and literature reviews.

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

Textbooks

Readings supplied

BACH 5208 Introduction to Computers & the Internet

Old code 2556M. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Dr Zakia Hossain, (02) 9351 9340. Offered: February, July.


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

Practical: 1 project.

BACH 5212 Multicultural Issues in Gerontology


Assessment: project.

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

Textbooks

Materials from various sources

BACH 5213 Law and the Health Services

Old code 2556R. 6 credit points. Dr Judith Marr, (02) 9351 9126. Offered: July. Classes: 2 hours alternate weeks. Assessment: assignment and seminar presentation.

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

Textbooks

List of references to be supplied.

BACH 5216 Behavioural Aspects of Ageing

Old code 2556M. 6 credit points. Dr Steve Cumming, (02) 9351 9404. Classes: Independent learning package; external/distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people.

BACH 5224 Organisational Management

Old code 25572/25572X. 6 credit points. Dr Barbara Adamson, (02) 9351 9579 and Dr Rosemary Cant, (02) 9351 9560. Offered: July. Classes: on-campus or off-campus. Assessment: continuous assessment using case study approach.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd's elements of management as a springboard for the analysis of changing functions of a successful manager.

Textbooks


BACH 5226 Organisational Structures in Health Contexts

Old code 25574.6 credit points. Dr Rosemary Cant, (02) 9351 9560. Classes: Contract learning.
This unit focuses on rational structuring of organisations and relates it to administrative problem solving. It examines the effects of societal context on organisational growth and the interdependence between layers or sectors of organisations. It contrasts the characteristics of private, public sector and voluntary organisations and uses power and interests as analytic concepts to elucidate process. This unit is offered on-campus as a direct independent study unit.

BACH 5228 Computers for Teacher Productivity
Old code 25576.6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February. Classes: Class attendance required; weekly classes, on-campus only. Assessment: (non exam) assignment based.

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

BACH 5253 Intermediate Statistics
Old code 2557V. 6 credit points. Dr Peter Choo, (02) 9351 9583 and DrZukia Hossain, (02) 9351 9340. Offered: February, July. Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. Assumed knowledge: Basic statistics and research design. Classes: on-campus, Night classes. Assessment: written reports, written examination.

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

BACH 5255 Qualitative Research Methods
Old code 2557XX. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: Full year. Classes: 3 hours/week in class. Attendance required. Assessment: assignments. In this unit students will learn about qualitative research techniques such as in-depth interviewing and participative observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project in small groups. This unit is usually offered on Wednesdays 4-7pm. Practical: 2 hours fieldwork. Textbooks: Coursework Reader

BACH 5256 Multivariate Statistics
Old code 2557Y. 6 credit points. Dr Peter Choo, (02) 9351 9583. Prerequisite: Intermediate Statistics (10502), or equivalent. Classes: Contract learning.

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

BACH 5263 Dissertation

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

BACH 5266 Ecological, Environmental and Nutritional Health
Old code 25588.6 credit points. Dr Carol O’ Donnell (02) 9351 9580 and Dr Kaye Brock (02) 9351 9124. Offered: February, July. Classes: Contract learning. Assessment: two assignments (2000 words and 4000 words).

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

BACH 5268 Developing a Research Project
Old code 2558AX. 6 credit points. Kate O'Loughlin, (02) 9351 9531. Classes: Attendance required. Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

BACH 5284 Learning in the Workplace

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace. (This unit may be offered by distance only if insufficient on-campus enrolments.)


BACH 5286 Ethnic Minorities and Health Care in Australia
Old code 2558S. 6 credit points. Dr Toni Schofield, (02) 9351 9577. Classes: Contract learning.

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

BACH 5290 Organisational Psychology
Old code 2558W/2558WX. 6 credit points. Dr Barbara Adamson, (02) 9351 9579. Classes: Contract learning; external/distance mode.

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

**BACH 5291  Occupational Rehabilitation**
Old code 2558X/2558XX. 6 credit points. Dr Carol O'Donnell, (02) 9351 9580, and Ms Kate O'Loughlin, (02) 9351 9531. Offered: Full year. Assessment: two assignments (2000 words and 4000 words). This unit will examine current issues in the provision of occupa-
tional rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stake-
holders in the management of workers in the post-injury phase. Students will be required to interview an injured worker and
evaluate the extent to which their experience after injury was consistent with good management practice, current legislative
requirements and the public interest.

Practical: Yes.

**BACH 5292  Art Therapy I**
Art Therapy offers principles, processes and practice in art-im-
agery therapy at an introductory level. Art Therapy is seen as an integration of nonverbal and verbal processes; and an integra-
tion of psychological therapies with creative expressive proc-
eses. The orientation presented is eclectic and is based on theo-
ries of imagery, perception, and non-interpretive therapy. The
focus is on practice and skills attainment and an understanding of why and how these art therapy processes are used within
the overall client plan. Counselling experience is preferred. This unit
is conducted over 3 to 4 weekends

**BACH 5296  Evaluation Research**
Old code 25592. Offered: July. In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services empowering and critical approaches
will be included.

**BACH 5298  History and Philosophy of Scientific Methodology**
Old code 25594. 6 credit points. Dr Rod Rothwell, (02) 9351 9122. Offered: February. Assessment: two assignments (1000 words and
2000 words). This unit is designed to provide students with a critical perspec-
tive 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.

Textbooks

**BACH 5300  Action Research**
Old code 25596. 6 credit points. Dr Ian Hughes, (02) 9351 9582. Offered: February.
Participatory action research extends knowledge and improves
social practices through processes which empower ordinary peo-
ple. Action research projects proceed through cycles of plan-
ning, acting, observing and reflecting, with the participation of
the people affected by the practice under consideration. Stu-
dents will learn how to engage in research and action to improve
professional practices as twin aspects of the same process. Stu-
dents study through the Internet.

**BACH 5302  Epidemiological Research**
Old code 25598. 6 credit points. Dr Kaye Brock (02) 9351 9124. Offered: Full year. Prerequisite: Some undergraduate research
methods. Assumed knowledge: Basic research methods. Classes:
on-campus 3 hours/week. Assessment: assignments and
examination.
In this unit, students will be exposed to aspects of conducting
epidemiological research, an area which focuses on the study of
the distribution of disease, the search for determinants of the
observed distribution and a subsequent evaluation of a causal
hypothesis.

Textbooks
Epidemiology in Medicine. Hennekens & Buring

**BACH 5305  Risk Management and Rehabilitation Policy**
Students will be taught the basic principles for continuous
improvement in health related service delivery. They will produce
a risk management plan related to health promotion or consum-
er protection, or will undertake a critical evaluation of the effec-
tiveness of an individual’s occupational rehabilitation. Particu-
lar attention will be drawn to the Australian and New Zealand
Standards on Risk Management (AS / NZS 4630:1999).
Practical: Yes.

**BACH 5306  Health Risk Management (International Perspectives)**
Old code 2559C/2559CX. 6 credit points. Dr Carol O'Donnell, (02) 9351 9580. Offered: Full year. Classes: Contract learning; external/
distance mode. Assessment: two assignments (2000 words and
4000 words).
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 Coopera-
tion (APEC) Agreement and other relevant international stan-
ards and agreements. Basic principles of health risk manage-
ment as required by relevant International Labour Organisation
(ILO) Conventions and Australian legislation related to health,
work and rehabilitation also addressed. Students develop a pro-
gram for controlling risks to health in a particular regional envi-
ronment in the light of these international and national require-
ments.

Practical: Yes.

**BACH 5309  Psychological Assessment of Children and Adolescents**
Old code 2559F. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Diana Kenny, (02) 9351 9644. Offered: July. Prerequisite:
Undergraduate Psychology Units; Psychology of Children and Adolescents. Classes: Contract learning. Assessment: case study and
literature review.
The assessment of children and adolescents requires an under-
standing of the course and impact that developmental factors
play in cognition, personality and behaviour. It requires a capaci-
ty to utilise questionnaire as well as text-based assessment
schedules. This course expects students to be aware of assess-
ment issues such as psychometric values of testing (reliability
and validity), the nature of various tests, and a capacity to inter-
view (children, adolescents, and families).

Practical: Observation of assessment and use of psychological
tests.

Textbooks

**BACH 5313  Child and Adolescent Psychology**
Old code 2558J. 6 credit points. Dr Diana Kenny, (02) 9351 9644. Prerequisite: Undergraduate Psychology Units. Assessment:
literature review.
This unit will provide students with an understanding of the
major theories of child and adolescent development, research
methods appropriate to its study, an overview of current issues
in childhood and adolescence and the applications of develop-
mental theory to health professional practices. The focus in
this unit will be on normal development.

Textbooks

**BACH 5317  Art Therapy II**
Old code 2559N. 6 credit points. Ms Uly Lee, (02) 9351 9228. Offered: Full year. Prerequisite: Art Therapy I BACH 5292 (2558Y).
Classes: Weekend classes. Assessment: written report.
The nonverbal processes of Art Therapy and Imagery are particu-
larly 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

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Imagery processes. These processes can be used with adults and children suffering from symptoms of traumatic life experiences. With the emphasis on experiential skills training, current trauma treatments will be reviewed. This unit is conducted over 3 to 4 weekends.

BACH 5319 Health, Population and Policy Development

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

Textbooks
Materials from various sources

BACH 5321 Psychology for Graduate Students

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

Textbooks

BACH 5322 Sociology for Health Professionals
Old code: 2559SX. 6 credit points. Dr Dennis McIntyre, (02) 9351 9567, and Dr Ian Hughes, (02) 9351 9582. Classes: Contract learning; external/distance mode.

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

BACH 5323 Advanced Counselling Skills
Old code: 2559TX. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: July. Prerequisite: Counselling. Assumed knowledge: Basic counselling skills. Classes: Contract learning. Assessment: case study analysis.

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

Textbooks

BACH 5324 Psychotherapy

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

Textbooks

BACH 6002 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.

BACH 6003 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.

BACH 6015 Developing a Research Project
Old code: 25614.8 credit points. Ms Kate O’Loughlin, (02) 9351 9531. Classes: attendance required; external/distance mode.

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

BACH 6019 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.
behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

BIOS 5018 Health, Dysfunction and Ageing

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

BIOS 5041 Biological Aspects of Ageing

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

Rehabilitation Counselling
REHB 5012 Medical Aspects of Disability

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

REHB 5014 Rehabilitation and Substance Abuse
Old code 2530LX. 3 credit points. Offered: February. Classes: on-campus attendance required on a weekly basis.

The history of use and treatment for illegal and over-the-counter drugs is presented. Students examine social attitudes to drug taking and theoretical approaches to addictive behaviour. Community therapy programs and self-help groups are discussed. Note: REHB electives are for Rehabilitation Counselling students only.

REHB 5016 Rehabilitation of Public Offenders
Old code 2553M/2553MX. 3 credit points. Offered: Not offered in 2001.

The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and ‘corrective’ programs for both adult and juvenile offenders.

REHB 5018 Rehabilitation of Persons with Developmental Disability

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

REHB 5020 Rehabilitation and Older People
Old code 2553O/2553OX. 3 credit points. Dr Cherry Russell. Offered: July. Classes: Contract learning, also available off-campus Mode. Assessment: essay.

The aim is to provide an understanding of population and individual ageing and its implications for the helping professions.

BACH 6020 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.

BACH 6037 Research Thesis

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

BACH 6038 Research Thesis

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

BACH 6039 Research Thesis

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

BACH 6040 Research Thesis

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

BACH 6041 Research Thesis

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students’ supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.
Topics covered include: demographic ageing; ageism and social/professional values; ageing and disability; aged care services.

Textbooks
No Core Text. Readings provided.

REHB 5022 Rehabilitation of Persons with Acquired Brain Injury
Old code 2553P. 3 credit points. Offered: February. Classes: on-campus (Not offered off-campus).

The nature of head injury is examined and its effect on functioning. The rehabilitation process for this population is discussed with emphasis on evaluation, planning and resettlement.

REHB 5024 Rehabilitation of Persons from NESB
Old code 2553Q/2553QX. 3 credit points. Offered: July. Classes: on-campus attendance required on a weekly basis, also available off-campus.

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

REHB 5032 Rehabilitation of Persons Living with HIV/AIDS
Old code 2553L/2553L3. 3 credit points. Offered: Not offered in 2001.

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

REHB 5042 Psychiatric Rehabilitation
Old code 2551C/2551CX. Ms Lynda Matthews. Offered: February (off-campus), July (on-campus). Classes: on-campus 2 hours/week, also available off-campus. Assessment: assignment (on-campus and off-campus); seminar presentation (on-campus only).

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of persons with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

REHB 5043 Rehabilitation Counselling A
Old code 255111/255111X. 3 credit points. Dr Rod Rothwell. Offered: February. Classes: on-campus 2 hours/week, also available off-campus. Assessment: one assignment.

This unit facilitates students’ acquisition of the ASORC Core Competency 10: Counselling. The Ivey model of basic counselling microskills are studied and practised. Skills application in rehabilitation counsellor roles are introduced. The unit also covers some counselling theories and procedures and explores their application to the rehabilitation counselling context. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critique as part of assessment.

Practical: Group task - visits to agencies. Textbooks External study notes provided to all students.

REHB 5044 Vocational Development and Vocational Counselling
Old code 255112/255112X. 3 credit points. Mr Trevor Hawkins. Offered: February. Classes: on-campus, also available off-campus.

The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 8, namely, Vocational Assessment and Vocational Counselling. This unit looks at the theory of vocational choice and career development particularly as it relates to persons with disability. Students are provided with a framework for vocational counselling and are taken through the process of assisting individuals with career choice problems. Resources essential to providing vocational planning and career choice assistance are also explored with students.

REHB 5045 Rehabilitation Theory
Old code 255113/255113X. 3 credit points. Offered: February. Classes: on-campus, also available off-campus.

This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery in relation to medical and health services generally.

REHB 5046 Work Injury and Disability
Old code 255114/255114X. 3 credit points. Offered: February. Classes: on-campus, also available off-campus.

This unit examines the social distribution and origins of occupational injury and disability. It explores the role of work organisation and management in contemporary Australian society as a key factor. The impact of globalisation and policy developments related to Australian workplaces and industrial relations will also be addressed.

REHB 5047 Psychosocial Aspects of Disability
Old code 255115/255115X. 3 credit points. Offered: February. Classes: on-campus, also available off-campus.

Stereotypes of people with disability are discussed as well as strategies for overcoming stigma.

REHB 5048 Field Experience I

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

Practical: As per description. Textbooks Unit manual only.

REHB 5049 Rehabilitation Counselling B
Old code 255117/255117X. 3 credit points. Offered: July. Prerequisite: Rehabilitation Counselling A REHB 5000 (25504).

Corequisite: Client Assessment and Job Placement REHB 5050 (255118). Classes: on-campus, also available off-campus.

The unit covers aspects of the ASORC Core Competency 10: Counselling. Advanced counselling microskills in the Ivey model are studied and practised. Application of these skills to the rehabilitation context is explored, for example, in adjustment to disability, vocational counselling and occupational rehabilitation case management. Students are introduced to action-based counselling theory. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critique as part of assessment.

For PT students, attendance at a one-day skills workshop is required, held over one weekend.

Off-campus mode students are required to attend a one-day (weekend) skills workshop.

REHB 5050 Client Assessment and Job Placement
Old code 255118X. 3 credit points. Offered: July. Prerequisite: Vocational Development & Vocational Counselling REHB 5044 (255112). Corequisite: Rehabilitation Counselling B REHB 5001 (25505). Classes: on-campus, also available off-campus.

The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 9, namely, Vocational Assessment and Vocational Training and Placement. This unit focuses on job analysis and the various ways in which the problem of accurately assessing the rehabilitation client’s potential for re-entry to the workforce can be resolved. Students are also taught how to actively engage with the labour market in terms of assessing job suitability and negotiating with employers in order to secure job opportunities for persons with disability.

The unit addresses the issue of accessing and analysing labour market information in order to guarantee the availability of job options generated for clients. Formats for writing vocational assessment reports and labour market analyses are presented and discussed. For PT students, attendance at a one-day skills workshop is required, held over one weekend.
CHAPTER 3
School of Biomedical Sciences

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

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

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

Admission requirements
i) A Bachelor of Applied Science degree from the Faculty of Health Sciences, at a credit level or higher; or
ii) A Bachelor of Applied Science degree from the Faculty of Health Sciences at an Honours level; or
iii) 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 School and Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

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

Course outline
The course outline for the Master of Applied Science (Biomedical Sciences) by research is presented in Table 3.1.

Units of study
BIOS 6016 Research Thesis
Old code 11510A. Dr Fazlul Huq, (02) 9351 9522. Offered: February, July. Assessment: seminar presentation.
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, consult the University Graduate Studies Research Handbook.

BIOS 6017 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, consult the University Graduate Studies Research Handbook.

| Table 3.1: Master of Applied Science (Biomedical Sciences) by Research |
|---|---|---|
| Course code | Mode of offer | Unit name |
| 1106 | Special Qualifying Program (for Master's qualifying students) |
| 1116 | Full-time; minimum 2 years |
| 1117 | Part-time; minimum 3 years |

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 6016</td>
<td>(11510A)</td>
<td>Research Thesis</td>
</tr>
<tr>
<td>BIOS 6017</td>
<td>(11510B)</td>
<td>Research Thesis</td>
</tr>
</tbody>
</table>

Full-time
Year 1 (and subsequent years)
BIOS 6016 (11510A) Research Thesis
BIOS 6017 (11510B) Research Thesis

Part-time
Year 1 (and subsequent years)
BIOS 6016 (11510A) Research Thesis
BIOS 6017 (11510B) Research Thesis
Master of Health Science (Speech-Language Pathology) coursework by off-campus mode

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

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

Admission requirements

In order to qualify for admission, applicants shall possess:

i) A bachelor degree in speech pathology from The University of Sydney or a degree from another Australian or overseas tertiary institution deemed to be equivalent to this University's degree, and

ii) General and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to undertake the course, and

iii) For those applicants who received their speech-language pathology degree qualifying them to practice more than five years prior to their intended year of enrolment, evidence of at least the equivalent of half-time professional employment/professional practice as a speech-language pathologist during the most recent five years prior to applying for admission.

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

Course outline

The course outlines for the Master of Health Science (Speech-Language Pathology) (coursework by off-campus) are presented in Table 4.1.

Table 4.1: Master of Health Science (Speech-Language Pathology) coursework by off-campus mode

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Generalist or Specialist stream</th>
<th>by off-campus, Full-time, 1 year</th>
</tr>
</thead>
<tbody>
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<td>1223</td>
<td></td>
<td>(Generalist or Specialist stream)</td>
<td>by off-campus, Full-time, 1 year</td>
</tr>
<tr>
<td>1224</td>
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<td>(Generalist or Specialist stream)</td>
<td>by off-campus, Part-time, 2 years</td>
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</table>

Credit points: 48

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem1</th>
<th>Sem 2</th>
</tr>
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</table>
| Generalist stream full-time mode

Year 1

<table>
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<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CSCD 5002</td>
<td>Emerging Trends: Child Language and Phonology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CSCD 5003</td>
<td>Emerging Trends: Neurogenic Impairment</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CSCD 5004</td>
<td>Emerging Trends: Voice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>CSCD 5005</td>
<td>Emerging Trends: Stuttering</td>
<td>6</td>
<td></td>
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</tbody>
</table>

Enrol in two of the following units:

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<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem1</th>
<th></th>
</tr>
</thead>
<tbody>
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<td>CSCD 5006</td>
<td>Major Literature Review: Child Language and Phonology</td>
<td>12</td>
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<tr>
<td>CSCD 5007</td>
<td>Major Literature Review: Neurogenic Impairment</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>CSCD 5008</td>
<td>Major Literature Review: Voice</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>CSCD 5009</td>
<td>Major Literature Review: Stuttering</td>
<td>12</td>
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</tr>
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Stage total (48 credit points for Year 1) 24 24
Faculty of Health Sciences Postgraduate Study 2001

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td><strong>Generalist stream part-time mode</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enrol in two of the following:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CSCD 5002 (12509)</td>
<td>Emerging Trends: Child Language and Phonology</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>CSCD 5003 (12510)</td>
<td>Emerging Trends: Neurogenic Impairment</td>
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<td>6</td>
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<tr>
<td>CSCD 5004 (12511)</td>
<td>Emerging Trends: Voice</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>CSCD 5005 (12512)</td>
<td>Emerging Trends: Stuttering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enrol in one of the following units:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCD 5007 (12514)</td>
<td>Major Literature Review: Child Language and Phonology</td>
<td>12</td>
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</tr>
<tr>
<td>CSCD 5008 (12515)</td>
<td>Major Literature Review: Voice</td>
<td>12</td>
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<tr>
<td>CSCD 5009 (12516)</td>
<td>Major Literature Review: Stuttering</td>
<td>12</td>
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<tr>
<td>Stage total (24 credit points for Year 1)</td>
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**Year 2 (first offered in 2001)**

Enrol in two of the following units that have not been previously been completed:

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<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td>CSCD 5002 (12509)</td>
<td>Emerging Trends: Child Language and Phonology</td>
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<tr>
<td>CSCD 5003 (12510)</td>
<td>Emerging Trends: Neurogenic Impairment</td>
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<tr>
<td>CSCD 5004 (12511)</td>
<td>Emerging Trends: Voice</td>
<td>6</td>
<td></td>
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<tr>
<td>CSCD 5005 (12512)</td>
<td>Emerging Trends: Stuttering</td>
<td>6</td>
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<tr>
<td>Enrol in one of the following that has not previously been completed:</td>
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<tr>
<td>CSCD 5006 (12513)</td>
<td>Major Literature Review: Child Language and Phonology</td>
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</tr>
<tr>
<td>CSCD 5007 (12514)</td>
<td>Major Literature Review: Neurogenic Impairment</td>
<td>12</td>
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<tr>
<td>CSCD 5008 (12515)</td>
<td>Major Literature Review: Voice</td>
<td>12</td>
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</tr>
<tr>
<td>CSCD 5009 (12516)</td>
<td>Major Literature Review: Stuttering</td>
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<td>Stage total (24 credit points for Year 2)</td>
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**Specialist stream full-time mode**

**Year 1**

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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
<tr>
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<td>6</td>
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<td>CSCD 5003 (12510)</td>
<td>Emerging Trends: Neurogenic Impairment</td>
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<td>CSCD 5004 (12511)</td>
<td>Emerging Trends: Voice</td>
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<td></td>
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<tr>
<td>CSCD 5005 (12512)</td>
<td>Emerging Trends: Stuttering</td>
<td>6</td>
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<tr>
<td>Enrol in one of the following units:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CSCD 5006 (12513)</td>
<td>Major Literature Review: Child Language and Phonology</td>
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<tr>
<td>CSCD 5007 (12514)</td>
<td>Major Literature Review: Neurogenic Impairment</td>
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<tr>
<td>CSCD 5008 (12515)</td>
<td>Major Literature Review: Voice</td>
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<td></td>
</tr>
<tr>
<td>CSCD 5009 (12516)</td>
<td>Major Literature Review: Stuttering</td>
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<tr>
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<tr>
<td>CSCD 5011 (12518)</td>
<td>Specialist Literature Review: Neurogenic Impairment</td>
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<td>CSCD 5012 (12519)</td>
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<td>CSCD 5013 (12520)</td>
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**Specialist stream part-time mode**

**Year 1**

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<th>Unit name</th>
<th>Sem 1</th>
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<tbody>
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<tr>
<td>CSCD 5003 (12510)</td>
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<tr>
<td>CSCD 5004 (12511)</td>
<td>Emerging Trends: Voice</td>
<td>6</td>
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<td>CSCD 5005 (12512)</td>
<td>Emerging Trends: Stuttering</td>
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<tr>
<td>Enrol in one of the following that is on the same topic as one of the units completed in Semester 1:</td>
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<tr>
<td>CSCD 5006 (12513)</td>
<td>Major Literature Review: Child Language and Phonology</td>
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<tr>
<td>CSCD 5007 (12514)</td>
<td>Major Literature Review: Neurogenic Impairment</td>
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<tr>
<td>CSCD 5008 (12515)</td>
<td>Major Literature Review: Voice</td>
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<tr>
<td>CSCD 5009 (12516)</td>
<td>Major Literature Review: Stuttering</td>
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<tr>
<td>Stage total (24 credit points for Year 1)</td>
<td>12</td>
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</table>
Chapter 4 - School of Communication Sciences and Disorders

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:

1. 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
2. A bachelor's degree in an area of relevance from an overseas institution equivalent to an Australian bachelor degree; or
3. Evidence of general and academic qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Course outline
The course outlines for Master of Applied Science (Communication Sciences and Disorders) by Research are presented in Table 4.2.

Table 4.2: Master of Applied Science (Communication Sciences and Disorders) by Research

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
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<th>Sem 2</th>
</tr>
</thead>
<tbody>
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<td>1213</td>
<td>Full-time; minimum 2 years</td>
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<td></td>
</tr>
<tr>
<td>1214</td>
<td>Part-time; minimum 3 years</td>
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</table>

Full-time mode

Year 1 (and subsequent years)

<table>
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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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</thead>
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<tr>
<td>CSCD 6014 (12507A)</td>
<td>Research Thesis</td>
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<tr>
<td>CSCD 6015 (12507B)</td>
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Part-time mode

Year 1 (and subsequent years)

<table>
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<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
<tr>
<td>CSCD 6014 (12507A)</td>
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<tr>
<td>CSCD 6015 (12507B)</td>
<td>Research Thesis</td>
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</tbody>
</table>
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:

- 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
- A minimum of twelve months professionally relevant post-graduation experience

Course outline
The course outlines for Master of Communication Sciences and Disorders (by Research) are presented in Table 4.3.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
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<td>1215</td>
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<td>12508A</td>
<td>Clinical Research Thesis</td>
<td>-</td>
<td>-</td>
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<tr>
<td>1216</td>
<td>Part-time; minimum 3 years</td>
<td>12508B</td>
<td>Clinical Research Thesis</td>
<td>-</td>
<td>-</td>
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Table 4.3: Master of Communication Disorders (by Research)
Units of study

CSCD 5002 Emerging Trends in Speech-Language Pathology: Child Language and Phonology
Old code 12509.6 credit points. Professor V. Reed. Offered: February. Classes: Off-campus, independent study. Assessment: written literature review, essay.
This unit provides an overview of current trends in the area of child language and phonology that are emerging from the recent literature and guides students in identifying future implications for professional practice.

CSCD 5003 Emerging Trends in Speech-Language Pathology: Neurogenic Impairment
This unit provides an overview of current trends in the area of Neurogenic Impairment that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5004 Emerging Trends in Speech-Language Pathology: Voice
This unit provides an overview of current trends in the area of Voice that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5005 Emerging Trends in Speech-Language Pathology: Stuttering
This unit provides an overview of current trends in the area of Stuttering that are emerging from the recent literature and guides students to identifying future implications for professional practice.

CSCD 5006 Major Literature Review in Speech-Language Pathology: Child Language and Phonology
This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Child Language and Phonology unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5007 Major Literature Review in Speech-Language Pathology: Neurogenic Impairment
This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Neurogenic Impairment unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

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

CSCD 5009 Major Literature Review in Speech-Language Pathology: Stuttering
This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Stuttering unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

CSCD 5010 Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology
Old code 12517.12 credit points. Professor V. Reed. Offered: July. Prerequisite: (or Corequisite) CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology. Classes: Off-campus, independent study. Assessment: written literature review, essay.
The unit, Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology, extends or augments the specific topic examined in the articulated unit, CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology. Students prepare an indepth paper reflecting the major issues.

CSCD 5011 Specialist Review in Speech-Language Pathology: Neurogenic Impairment
The unit, Specialist Literature Review in Speech-Language Pathology: Neurogenic Impairment, extends or augments the specific topic examined in the articulated unit, CSCD 5007 (12514) Major Literature Review in Speech-Language Pathology: Neurogenic Impairment. Students prepare an indepth paper reflecting the major issues.

CSCD 5012 Specialist Literature Review in Speech-Language Pathology: Voice
The unit, Specialist Literature Review in Speech-Language Pathology: Voice, extends or augments the specific topic examined in the articulated unit, CSCD 5008 (12515) Major Literature Review in Speech-Language Pathology: Voice. Students prepare an indepth paper reflecting the major issues.

CSCD 5013 Specialist Literature Review in Speech-Language Pathology: Stuttering
The unit, Specialist Literature Review in Speech-Language Pathology: Stuttering, extends or augments the specific topic examined in the articulated unit, CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. Students prepare an indepth paper reflecting the major issues.

CSCD 5014 Specialist Literature Review in Speech-Language Pathology: Stuttering
The unit, Specialist Literature Review in Speech-Language Pathology: Stuttering, extends or augments the specific topic examined in the articulated unit, CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. Students prepare an indepth paper reflecting the major issues.

CSCD 6014 Research Thesis
Old code 12507A. Dr Jan van Doorn. Offered: February, July. Assessment: thesis only.
Supervisors will be appointed to assist the student in the conduct of the research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). Facilities and equipment necessary
to conduct the thesis project will be arranged with the School, subject to approval of the project design and equipment necessary to conduct the project.

CSCD 6015 Research Thesis
Old code 12507B. Dr Jan van Doom. **Offered:** February, July. **Assessment:** thesis only.

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

CSCD 6019 Clinical Research Thesis
Old code 12508A. Dr Jan van Doom. **Offered:** February/July. **Assessment:** thesis only.

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

CSCD 6020 Clinical Research Thesis
Old code 12508B. Dr Jan van Doom. **Offered:** February, July. **Assessment:** thesis only.

Supervisors will be appointed to assist the student in the conduct of a clinically relevant research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). To assist the student in developing an acceptable clinical research project, the student will participate in supporting activities with the supervisor(s) involving mentored clinical experience in the student's chosen specialist area and clinical specialty knowledge dissemination. Clinical facilities and equipment necessary to conduct the research will be arranged with the School, subject to approval of the project design.
CHAPTER 5
School of Exercise and Sport Science

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

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

Information about the School and its courses of study can be obtained from the Faculty of Health Sciences Student Administration Services, (02) 9351 9355 or from the School of Exercise and Sport Science, (02) 9351 9612.

Graduate Certificate of Health Science (Exercise and Sport Science)

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

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

Full time students (first 24 credit points)

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

Course outline

The course outline for the Graduate Certificate of Health Science (Exercise and Sport Science) is presented in Table 5.1.

Table 5.1: Graduate Certificate of Health Science (Exercise and Sport Science)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>2213</td>
<td>Full-time: 1 semester minimum</td>
<td></td>
</tr>
<tr>
<td>2214</td>
<td>Part-time: 2 semesters minimum</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time mode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSS 5029 (22529)</td>
<td>Applied Physiology</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5030 (22530)</td>
<td>Human Mechanics</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>22E12A</td>
<td>Select a total of 12 credit points of electives:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>6</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Stage total (24 credit points)</td>
<td>24</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

| Part-time mode       |           |       |       |
| EXSS 5029 (22529)    | Applied Physiology | 6     | -     |
| EXSS 5030 (22530)    | Human Mechanics   | 6     | -     |
| 22E12B               | Select a total of 12 credit points of electives: |       |       |
| Elective             | -         | 6     |       |
| Elective             | -         | 6     |       |
| Stage total (24 credit points) | 12 | 12    |       |
This course is designed to provide an opportunity for advanced study in exercise and sport science with a focus on the areas of applied physiology, human mechanics and motor learning. It is anticipated that this study will be an extension of the student's prior training and professional role. The course will be presented with the assumption that the student has a background knowledge of anatomy or biomechanics and physiology or is prepared to acquire it, prior to commencing the course.

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

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

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

Graduate Diploma of Health Science (Exercise and Sport Science)

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5236 (2557E)</td>
<td>Motor Learning</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>BACH 5238 (2557G)</td>
<td>Psychosocial Aspects of Sport</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>BACH 5240 (2557I)</td>
<td>Research Methods</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 5031 (22531)</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5032 (22532)</td>
<td>Sports Nutrition</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5033 (22533)</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5034 (22534)</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>EXSS 5035 (22535)</td>
<td>Applied Biomechanics</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5036 (22536)</td>
<td>Exercise and Rehabilitation</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Course outline
The course outline for the Graduate Diploma of Health Science (Exercise and Sport Science) is presented in Table 5.2.

Table 5.2: Graduate Diploma of Health Science (Exercise and Sport Science)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part-time mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXSS 5029 (22529)</td>
<td>Applied Physiology</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5030 (22530)</td>
<td>Human Mechanics</td>
<td>6</td>
</tr>
<tr>
<td>(22E12A) 22E12B</td>
<td>Select a total of 24 CPs from the following electives:</td>
<td></td>
</tr>
<tr>
<td>BACH 5236 (2557E)</td>
<td>Motor Learning</td>
<td>-</td>
</tr>
<tr>
<td>BACH 5238 (2557G)</td>
<td>Psychosocial Aspects of Sport</td>
<td>-</td>
</tr>
<tr>
<td>BACH 5240 (2557I)</td>
<td>Research Methods</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5031 (22531)</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
</tr>
<tr>
<td>EXSS 5032 (22532)</td>
<td>Sports Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5033 (22533)</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5034 (22534)</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5035 (22535)</td>
<td>Applied Biomechanics</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5036 (22536)</td>
<td>Exercise and Rehabilitation</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes to Table 5.2
Students completing the Graduate Diploma of Health Science (Exercise and Sport Science) (36 credit points) with a Credit grade average, may apply to articulate to the Master of Health Science (Exercise and Sport Science).
Master of Health Science (Exercise and Sport Science) by Coursework

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

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

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

Course outline
The course outline for the Master of Health Science (Exercise and Sport Science) by Coursework is presented in Table 5.3.

Table 5.3: Master of Health Science (Exercise and Sport Science) by Coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2217</td>
<td>Full-time; 1 year</td>
<td>2218</td>
<td>Part-time; 2 years</td>
<td></td>
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</table>

Credit points: 48

Full-time mode

Year 1

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Mode of offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5240</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td>EXSS 5029</td>
<td>Applied Physiology</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5030</td>
<td>Human Mechanics</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5031</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
</tr>
<tr>
<td>EXSS 5032</td>
<td>Sports Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5033</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5034</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>5</td>
</tr>
<tr>
<td>EXSS 5035</td>
<td>Applied Biomechanics</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5036</td>
<td>Exercise &amp; Rehabilitation</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (48 credit points for Year 1) | 24 | 24

Part-time mode

Year 1

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Mode of offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSS 5029</td>
<td>Applied Physiology</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5030</td>
<td>Human Mechanics</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5033</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5035</td>
<td>Applied Biomechanics</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (22 credit points for Year 1) | 12 | 10

Year 2

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Mode of offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5240</td>
<td>Research Methods</td>
<td></td>
</tr>
<tr>
<td>EXSS 5031</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
</tr>
<tr>
<td>EXSS 5032</td>
<td>Sports Nutrition</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5034</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>5</td>
</tr>
<tr>
<td>EXSS 5036</td>
<td>Exercise &amp; Rehabilitation</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (26 credit points for Year 2) | 12 | 14
Master of Health Science (Exercise and Sport Science) Honours

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

Admission requirements

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

Special circumstances

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

Course outline

The course outline for the Master of Health Science (Exercise and Sport Science)(Honours) is presented in Table 5.4.

Table 5.4: Master of Health Science (Exercise and Sport Science) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2219</td>
<td>Full-time; 11/2 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2220</td>
<td>Part-time; 21/2 years</td>
<td></td>
<td></td>
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</table>

Credit points: 60

Unit code (old code) Unit name

Full-time mode

Year 1

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5240 (25571)</td>
<td>Research Methods</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EXSS 5029 (22529)</td>
<td>Applied Physiology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>EXSS 5030 (22530)</td>
<td>Human Mechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>EXSS 5031 (22531)</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>EXSS 5032 (22532)</td>
<td>Sports Nutrition</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>EXSS 5033 (22533)</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5034 (22534)</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>EXSS 5035 (22535)</td>
<td>Applied Biomechanics</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>EXSS 5036 (22536)</td>
<td>Exercise &amp; Rehabilitation</td>
<td>-</td>
<td>6</td>
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</table>

Stage total (48 credit points for Year 1) 24 24

Year 2

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSS 5037 (22537)</td>
<td>Research Dissertation</td>
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</table>

Stage total (12 credit points for Year 2) 12 -

Part-time mode

Year 1

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSS 5029 (22529)</td>
<td>Applied Physiology</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5030 (22530)</td>
<td>Human Mechanics</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5033 (22533)</td>
<td>Advanced Cardiorespiratory Physiology</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>EXSS 5035 (22535)</td>
<td>Applied Biomechanics</td>
<td>-</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (22 credit points for Year 1) 12 10

Year 1

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5240 (22571)</td>
<td>Research Methods</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>EXSS 5031 (22531)</td>
<td>Exercise Testing &amp; Prescription</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5032 (22532)</td>
<td>Sports Nutrition</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>EXSS 5034 (22534)</td>
<td>Advanced Musculoskeletal Physiology</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>EXSS 5036 (22536)</td>
<td>Exercise &amp; Rehabilitation</td>
<td>-</td>
<td>6</td>
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</tbody>
</table>

Stage total (26 credit points for Year 2) 12 14

Year 3

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSS 5037 (22537)</td>
<td>Research Dissertation</td>
<td>12</td>
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</tr>
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</table>

Stage total (12 credit points for Year 3) 12 -
Master of Applied Science (Exercise and Sport Science) by Research

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

**Admission requirements**

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

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

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

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

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

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

**Course outline**
The course outline for the Master of Applied Science (Exercise and Sport Science) by research is presented in Table 5.5.

---

**Table 5.5: Master of Applied Science (Exercise and Sport Science) by Research**
The table below refers to the standard program for pass entry students. This program may alter depending on the entry level of the student (see Note).

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td>2211</td>
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<td>EXSS 6002</td>
<td>(22501A)</td>
<td>Research Thesis</td>
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<tr>
<td>2203</td>
<td>Full-time; minimum 2 years</td>
<td>EXSS 6003</td>
<td>(22501B)</td>
<td>Research Thesis</td>
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<tr>
<td>2204</td>
<td>Part-time; minimum 3 years</td>
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</table>

**Full-time mode**
*Year 1 (and subsequent years)*
- EXSS 6002  (22501A)  Research Thesis
- EXSS 6003  (22501B)  Research Thesis

**Part-time mode**
*Year 1 (and subsequent years)*
- EXSS 6002  (22501A)  Research Thesis
- EXSS 6003  (22501B)  Research Thesis

**Notes to Table 5.5**
Students may enter the program directly into year 2 if proceeding from an Honours degree. Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by coursework, or a course of an equivalent standard, as deemed by the Faculty.
Units of study

BACH 5236  Motor Learning
Old code 2557.E. 3 credit points. Dr Roger Adams (02) 9351 9275. Offered: July.
NB: For Exercise and Sport Science students only.

This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice 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 automation; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

BACH 5238  Psychosocial Aspects of Sport

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 statelessness and burnout; stress, injury and psychological rehabilitation.

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

BACH 5240  Research Methods

NB: Exercise and Sports Science only.

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

EXSS 5029  Applied Physiology
Old code 22529.6 credit points. Mr Tom Gwinn, (02) 9351 9569. Offered: Full-time.

A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology, Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiorespiratory, neuromuscular, and musculoskeletal responses associated with the heart-lung interaction in elite athletes and with respect to effects of gravity and thoracic pressures. The exercise prescription component of the unit covers the basic principles and methods of assessing aerobic and anaerobic power, muscular strength and endurance, and body composition, as exemplified by the assessment of healthy adults. These principles are extended to the specific evaluation of performance characteristics in athletes, and the clinical assessment of functional capacity in people suffering from cardiorespiratory, neuromuscular, and musculoskeletal disorders. The exercise prescription component of the unit is closely associated with the units Applied and Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology and with the unit Exercise and Rehabilitation to ensure the proper integration of fundamental and applied exercise science. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evening.

EXSS 5031  Exercise Testing and Prescription
Old code 22531.8 credit points. Dr John Brotherton, (02) 9351 9726. Offered: February. Assessment: final examination.

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

EXSS 5032  Sports Nutrition
Old code 22532.4 credit points. Dr Helen O'Connor, (02) 9351 9328. Offered: February.

This unit provides students with background knowledge on nutrition as applied to sports performance. Special emphasis is given to the involvement of trace elements, amino acids as a fuel, dietary fibre, use of simple versus complex carbohydrates, etc. Practices such as bicarbonate loading, excessive intake of proteins/amino acids, ingestion of glucose polymers and carbohydrate loading are also considered. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

EXSS 5033  Advanced Cardiorespiratory Physiology
Old code 22533.4 credit points. Dr Chan Mx Chow. Offered: July.

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

EXSS 5034  Advanced Musculoskeletal Physiology
Old code 22534.5 credit points. Mr Tom Gwinn, (02) 9351 9569. Offered: July.
This unit expands upon the physiology of the exercise response and adaptations to exercise training dealt with at an undergraduate level and in Applied Physiology, with particular reference to skeletal muscle and bone. Using an integrated approach this unit considers the normal and abnormal exercise response before proceeding to investigate specific topics related to skeletal muscle metabolism. Fatigue, damage, healing and pharmacological effects, and environmental stresses will be discussed. Particular attention will be paid to the metabolic adaptation of skeletal muscle to detraining and training, and the application of these adaptations to sporting, pathological and rehabilitation settings. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

EXSS 5035 Applied Biomechanics
Old code 22535.6 credit points. Mr Peter Sinclair. Offered: July.
Classes: on-campus 4 hours/week. Assessment: assignment and examinations.

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

Practical: Practical assignment included.

Textbooks
Introduction to Sports Biomechanics. Bartlett, R.

EXSS 5036 Exercise and Rehabilitation
Old code 22536.6 credit points. Dr John Brotherhood. Offered: July.
Assessment: continuous assessment.

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

EXSS 5037 Research Dissertation
Old code 22537.12 credit points. Offered: February.

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

EXSS 6002 Research Thesis
Old code 22501 A.

Students will not be permitted to proceed with the research thesis unless the coursework and any Special Program (Exercise and Sport Science) undertaken has been satisfactorily completed. During subsequent semesters students will be 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 in Exercise and Sport Science. For details of the requirements, supervision and assessment of research thesis, Chapter 3 should be consulted.

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

EXSS 6003 Research Thesis
Old code 22501B.

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

Each person will be required to submit a research proposal at the end of first semester of the full-time pass entry course.
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 6.1.

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
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<th>Sem 2</th>
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<td>(09501)</td>
<td>Introduction to Casemix</td>
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<tr>
<td>HIMT 5020</td>
<td>(09502)</td>
<td>Generating and Using Casemix Information</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>HIMT 5021</td>
<td>(09503)</td>
<td>Casemix Funding and Financial Management</td>
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<td>6</td>
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<tr>
<td>HIMT 5022</td>
<td>(09504)</td>
<td>Implementing Casemix Systems</td>
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</tr>
</tbody>
</table>

Table 6.1: Graduate Certificate of Health Science (Casemix)

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 Master of Health Science (Clinical Data Management) with credit transfer for units completed.

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

i) A bachelor degree in an appropriate discipline from an Australian tertiary institution; or

ii) A bachelor degree in an appropriate discipline from an overseas institute equivalent to an Australian Bachelor degree; or

iii) Experience and/or a qualification as deemed appropriate by the Head of School.

Applicants must be able to demonstrate familiarity with major microcomputing software such as DOS, Windows, word processing, a database package and a spreadsheet package.

Course outline
The course outline for the Graduate Certificate of Health Science (Clinical Data Management) is presented in Table 6.2.

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
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<th>Sem 2</th>
</tr>
</thead>
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<td>(09505)</td>
<td>Fundamentals of Medicine and Medical Terminology</td>
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<td>6</td>
</tr>
<tr>
<td>HIMT 5025</td>
<td>(09507)</td>
<td>Clinical Data Management and Clinical Trials</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5027</td>
<td>(09509)</td>
<td>Introduction to Epidemiology</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5052</td>
<td>(09530)</td>
<td>Database Management Systems</td>
<td>-</td>
<td>6</td>
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<tr>
<td></td>
<td></td>
<td>Stage total (24 credit points)</td>
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<td>12</td>
</tr>
</tbody>
</table>

Table 6.2: Graduate Certificate of Health Science (Clinical Data Management)
Chapter 6 - School of Health Information Management

Master of Health Science (Clinical Data Management)

The Master of Health Science (Clinical Data Management) offers advanced study in the design and management of clinical trials and other related projects. The program provides participants with skills in designing systems that collect, combine, critically appraise, and quantitatively evaluate information in order to facilitate evidence based decisions regarding treatment and/or health policy. To make the course easily accessible to working participants, 50% of the course is offered by distance and the remainder of the program is via a range of flexible modes including workshops, and block teaching. A one-week residential school is normally held at the end of the March Semester. The option of an additional Honours year is available. The Honours program includes directed independent study via dissertation.

Admission requirements
i) A bachelor's degree in an appropriate from an Australian tertiary institution or equivalent; or
ii) Experience and/or qualifications as deemed appropriate by the Head of School; and
iii) Students who have undertaken the Graduate Certificate of Health Science (Clinical Data Management) are eligible for full credit for their study and can articulate to the Masters program.

Course outline
The course outline for the Master of Health Science (Clinical Data Management) is presented in Table 6.3.

Table 6.3: Master of Health Science (Clinical Data Management)

<table>
<thead>
<tr>
<th>Course code</th>
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<th>Credit points:</th>
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<tr>
<td>BACH 5068</td>
<td>(2552L) Statistics for Clinical Research</td>
<td>6</td>
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<td>HIMT 5025</td>
<td>(09507) Clinical Data Management and Clinical Trials</td>
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<td>-</td>
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<tr>
<td>HIMT 5052</td>
<td>(09509) Introduction to Epidemiology</td>
<td>6</td>
<td>-</td>
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<td>HIMT 5052</td>
<td>(095030) Database Management Systems</td>
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<td>6</td>
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<td>HIMT 5065</td>
<td>(09545) Project Management</td>
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<td>-</td>
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<tr>
<td>HIMT 5066</td>
<td>(09546) Advanced Clinical Data Management</td>
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<tr>
<td>HIMT 5067</td>
<td>(09547) Evidence Based Health Care</td>
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<td>(2552L) Statistics for Clinical Research</td>
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</table>
Master of Health Science (Health Informatics)

The Master of Health Science (Health Informatics) provides graduates with a theoretical and practical understanding of the role of information and communication technologies in health care and the skills required for the successful integration of such-technologies into the health system. The course focuses on three central knowledge areas; principles and applications of health informatics; database management systems and the classification of data; and managing the integration of health informatics within the health care environment.

The course is suitable for health professionals who wish to enhance their understanding and ability to work effectively with information and information technologies. The course is also designed for those graduates who wish to pursue a career as a health informatics specialist. Participants complete 5 core and 3 elective units of study. The program is offered one year full-time or two years part-time. Credit and above level candidates will be offered the option of an additional honours year.

Admission requirements

i) A bachelor’s degree from an Australian tertiary institution or equivalent; or

ii) Experience and/or qualifications as deemed appropriate by the Head of School.

Course outline

The course outline for the Master of Health Information Management is presented in Table 6.4.

Table 6.4: Master of Health Science (Health Informatics)

<table>
<thead>
<tr>
<th>Course code</th>
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<td>0920</td>
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<table>
<thead>
<tr>
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<tr>
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<td>(09530)</td>
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<tr>
<td>HIMT 5057</td>
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<td>(09536)</td>
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<td>HIMT 5059</td>
<td>Health Classification Systems</td>
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<td>(09537)</td>
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<td>HIMT 5060</td>
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Stage total (48 credit points)
# School of Health Information

## Part-time mode

### Year 1

**Core units**
- **HIMT 5052** (09530) Database Management Systems\(^*\)
- **HIMT 5057** (09535) Introduction to Health Informatics
- **HIMT 5058** (09536) Health Informatics Applications
- **HIMT 5059** (09537) Health Classification Systems

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 5052</td>
<td>(09530)</td>
<td>Database Management Systems(^*)</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>HIMT 5057</td>
<td>(09535)</td>
<td>Introduction to Health Informatics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5058</td>
<td>(09536)</td>
<td>Health Informatics Applications</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5059</td>
<td>(09537)</td>
<td>Health Classification Systems</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

| Stage total (24 credit points for Year 1) | 12 | 12 |

### Year 2

**Core units**
- **HIMT 5060** (09538) Managing the Integration of Health Informatics
- **00E61A** Elective
- **00E61B** Elective
- **00E62D** Elective

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 5060</td>
<td>(09538)</td>
<td>Managing the Integration of Health Informatics</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>00E61A</td>
<td></td>
<td>Elective</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>00E61B</td>
<td></td>
<td>Elective</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>00E62D</td>
<td></td>
<td>Elective</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

| Stage total (24 credit points for Year 2) | 12 | 12 |

*Offered in Block mode during the intersemester break.

## Table 6.4.1: Master of Health Science (Health Informatics) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>0921</td>
<td>Full-time; minimum 1 year</td>
</tr>
<tr>
<td>0922</td>
<td>Part-time; minimum 2 years</td>
</tr>
</tbody>
</table>

Credit points: 60

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0921</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0922</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Full-time mode

**Year 1**
- As per Pass course

**Year 2**
- **HIMT 5061** (09539) Dissertation

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 5061</td>
<td>(09539)</td>
<td>Dissertation</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

| Stage total (12 credit points for Year 2) | 12 |

### Part-time mode

**Years land 2**
- As per Pass course

**Year 3**
- **HIMT 5062** (09540) Dissertation
- **HIMT 5063** (09541) Dissertation

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIMT 5062</td>
<td>(09540)</td>
<td>Dissertation</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5063</td>
<td>(09541)</td>
<td>Dissertation</td>
<td>-</td>
<td>6</td>
</tr>
</tbody>
</table>

| Stage total (12 credit points for Year 3) | 6 | 6 |

**Elective units**

Electives taken may vary in credit points, but the total electives taken must equal 18 credit points

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5002</td>
<td>(25501)</td>
<td>Educational Design</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>BACH 5061</td>
<td>(2552E)</td>
<td>Statistical Analysis with SPSS(^1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACH 5068</td>
<td>(2552L)</td>
<td>Statistics for Clinical Research</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>BACH 5268</td>
<td>(2558AX)</td>
<td>Developing a Research Project(^1)</td>
<td>6</td>
<td>or 6</td>
</tr>
<tr>
<td>HIMT 5023</td>
<td>(09505)</td>
<td>Fundamentals of Medicine &amp; Medical Terminology(^2)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5027</td>
<td>(09509)</td>
<td>Introduction to Epidemiology(^2)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5065</td>
<td>(09545)</td>
<td>Project Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5067</td>
<td>(09547)</td>
<td>Evidence Based Health Care</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5068</td>
<td>(09548)</td>
<td>Microcomputing and Data Mining</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5069</td>
<td>(09549)</td>
<td>Health Care Systems</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5071</td>
<td>(09551)</td>
<td>Introduction to Epidemiology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5076</td>
<td>(09555)</td>
<td>Casemix Management Systems</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5079</td>
<td>(09558)</td>
<td>Health Informatics Project</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

1. Units available in Semester 1 or Semester 2
2. Units available in off-campus mode
Graduate Diploma of Health Science (Health Information Management)

No commencing students in 2001

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 prerequisite requirements as specified for enrolment in specific units of study:
- Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility of monitoring changes in curriculum which may affect their progression and for discussing these with the Course Coordinator.

Admission requirements

In order to qualify for admission, applicants shall hold:

i) A bachelor degree in a related area from an Australian or overseas tertiary institution and such relevant work experience as satisfies the Head of School; or
ii) Some other form of relevant qualification as satisfies the Head of School.

Course outline

The course outline for the Graduate Diploma of Health Science (Health Information Management) is presented in Table 6.5.
Table 6.5: Graduate Diploma of Health Science (Health Information Management)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Full-time mode (no commencing students in 2001)</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
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<tr>
<td>BACH 5310</td>
<td>(2559G)</td>
<td>2</td>
<td>-</td>
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<tr>
<td>HIMT 5005</td>
<td>(09425)</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5012</td>
<td>(09445)</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5013</td>
<td>(09446)</td>
<td>-4</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5014</td>
<td>(09447)</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5015</td>
<td>(09448)</td>
<td>-4</td>
<td>-</td>
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<td>HIMT 5018</td>
<td>(09470)</td>
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<td>-</td>
</tr>
<tr>
<td>HIMT 5028</td>
<td>(09510)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5029</td>
<td>(09511)</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5030</td>
<td>(09512)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5031</td>
<td>(09513)</td>
<td>-3</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5032</td>
<td>(09514)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5033</td>
<td>(09515)</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5034</td>
<td>(09516)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5035</td>
<td>(09517)</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5036</td>
<td>(09518)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5041</td>
<td>(09523)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5044</td>
<td>(09438)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td>HIMT 5045</td>
<td>(09439)</td>
<td>-2</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td><strong>Stage total (48 credit points)</strong></td>
<td>21</td>
<td>27</td>
</tr>
</tbody>
</table>

|             | **Part-time mode**                   |       |       |
|             | **Year 1**                           |       |       |
| HIMT 5005   | (09425)                              | 2     | -     |
| HIMT 5013   | (09446)                              | 4     | -     |
| HIMT 5014   | (09447)                              | -4    | -     |
| HIMT 5015   | (09448)                              | 4     | -     |
| HIMT 5029   | (09511)                              | 2     | -     |
| HIMT 5030   | (09512)                              | -2    | -     |
| HIMT 5031   | (09513)                              | -3    | -     |
| HIMT 5032   | (09514)                              | -2    | -     |
| HIMT 5034   | (09516)                              | 2     | -     |
| HIMT 5035   | (09517)                              | 2     | -     |
| HIMT 5036   | (09518)                              | -2    | -     |
|             | **Stage total (28 credit points for Year 1)** | 13    | 15    |

|             | **Year2**                            |       |       |
| BACH 5310   | (2559G)                              | 2     | -     |
| HIMT 5012   | (09445)                              | -4    | -     |
| HIMT 5018   | (09470)                              | -2    | -     |
| HIMT 5028   | (09510)                              | -2    | -     |
| HIMT 5032   | (09514)                              | -2    | -     |
| HIMT 5033   | (09515)                              | 2     | -     |
| HIMT 5041   | (09523)                              | -2    | -     |
| HIMT 5044   | (09438)                              | -2    | -     |
| HIMT 5045   | (09439)                              | -2    | -     |
|             | **Stage total (20 credit points for Year 2)** | 8     | 12    |

*Notes to Table 6.5*
1. 2 weeks inter-semester placement, 2 weeks post-semester placement
Master of Health Information Management

The Master of Health Information Management is a coursework program designed to prepare specialists in the design and management of health information systems. The course focuses on the information needs of health care professionals and facilities. It provides participants with core knowledge and skills necessary for the effective practice of health information management. Health information management graduates choose from a wide range of exciting career opportunities in organisations which include health care facilities, Commonwealth and State health departments, information technology firms, health funds and research organisations. This course is ideally suited to health professionals seeking to develop a new career pathway, however, applicants with non-health related undergraduate qualifications are also encouraged to apply.

Admission requirements
i) A bachelor’s degree from an Australian tertiary institution or equivalent; or
ii) Experience and/or qualifications as deemed appropriate by the Head of School.
iii) Professionals who hold an Associate Diploma in Health Information Management (or equivalent) may seek admission to a qualifying masters program and then proceed to the Master of Health Information Management.
iv) Professionals holding a Graduate Diploma of Health Science (Health Information Management) with a credit or above average will be able to articulate their qualification to the Master of Health Information Management by completing one 12 credit point unit of study 'Research in Health Information Management'. This option will only be available until 2006. Further information about these options can be obtained from the Head of School.

Course outline
The course outline for the Master of Health Information Management is presented in Table 6.6.

Table 6.6: Master of Health Information Management

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points</th>
</tr>
</thead>
<tbody>
<tr>
<td>0923</td>
<td>Full-time; minimum 1 year</td>
<td>50</td>
</tr>
<tr>
<td>0924</td>
<td>Part-time; minimum 2 years</td>
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</tr>
<tr>
<td>0925</td>
<td>Part-time Off Campus Mode</td>
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</table>

Credit points: 50

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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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</thead>
<tbody>
<tr>
<td>H I M T 5 0 4 8 (09526)</td>
<td>Information Systems Management I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 4 9 (09527)</td>
<td>Information Systems Management II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 1 (09529)</td>
<td>International Disease Classification Systems A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 5 2 (09530)</td>
<td>International Disease Classification Systems B</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 3 (09531)</td>
<td>Database Management Systems**</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 5 4 (09532)</td>
<td>Fundamentals of Medicine &amp; Medical Terminology I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 5 (09533)</td>
<td>Professional Experience*</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>(00E61A)</td>
<td>Elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>(00E61B)</td>
<td>Elective</td>
<td></td>
<td>6</td>
</tr>
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<td>(00E62D)</td>
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<tr>
<td>(00E62E)</td>
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Stage total (50 credit points) 27 23

Part-time mode

Year 1

<table>
<thead>
<tr>
<th>Core units</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>H I M T 5 0 4 8 (09526)</td>
<td>Information Systems Management I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 4 9 (09527)</td>
<td>Information Systems Management II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 0 (09528)</td>
<td>International Disease Classification Systems A</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 5 1 (09529)</td>
<td>International Disease Classification Systems B</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 2 (09530)</td>
<td>Database Management Systems**</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>H I M T 5 0 5 3 (09531)</td>
<td>Fundamentals of Medicine &amp; Medical Terminology I</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 4 (09532)</td>
<td>Fundamentals of Medicine &amp; Medical Terminology II</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>H I M T 5 0 5 0 (09533)</td>
<td>Professional Experience*</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Stage total (26 credit points for Year 1) 15 11

Year 2

Elective units (elective total must equal 24 credit points)

| (00E61A) | Elective | 6     |
| (00E61B) | Elective | 6     |
| (00E62D) | Elective | 6     |
| (00E62E) | Elective | 6     |

Stage total (24 credit points for Year 2) 12 12
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 6.7.

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACH 5067</td>
<td>(2552K)</td>
<td>Research Methods 1: Design</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5027</td>
<td>(09509)</td>
<td>Introduction to Epidemiology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5067</td>
<td>(09547)</td>
<td>Evidence Based Health Care</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5068</td>
<td>(09548)</td>
<td>Microcomputing and Data Mining</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5069</td>
<td>(09549)</td>
<td>Health Care Systems</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5070</td>
<td>(09550)</td>
<td>Human Resource Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5071</td>
<td>(09551)</td>
<td>Introduction to Epidemiology</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5074</td>
<td>(09553)</td>
<td>Health Services Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5075</td>
<td>(09554)</td>
<td>Medicolegal Principles and Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5076</td>
<td>(09555)</td>
<td>Casemix Management Systems</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>HIMT 5077</td>
<td>(09556)</td>
<td>Change Management in an Organisational Context</td>
<td>6</td>
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</tr>
<tr>
<td>HIMT 5078</td>
<td>(09557)</td>
<td>Financial Management in Health Care Facilities</td>
<td>6</td>
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</tr>
</tbody>
</table>

**Offered in Block mode during the intersemester break.**

**Professional experience will be a one-week placement undertaken in December.**

Graduate Diploma of Health Science (Health Information Management) graduates are required to complete HIMT 5056 (09534) Research in Health Information Management (12 credit points) in order to exit with a Master of Health Information Management degree.

### Table 6.7: Master of Applied Science (Health Information Management) by Research

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
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<tr>
<td>0911</td>
<td>Special Program (for master’s qualifying students)</td>
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<tr>
<td>0909</td>
<td>Full-time; minimum 2 years</td>
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<td>0910</td>
<td>Part-time; minimum 3 years</td>
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**Full-time mode**

**Year 1**

- BACH 5253 (2557V) Intermediate Statistics
- HIMT6008 (09602) Research Proposal
- HIMT6009 (09603) Research Thesis

**Year 2**

- HIMT 6010 (09604) Research Thesis
- HIMT 6011 (09605) Research Thesis

**Part-time mode**

**Year 1**

- BACH 5253 (2557V) Intermediate Statistics
- HIMT6008 (09602) Research Proposal
- HIMT6012 (09606) Research Thesis

**Year 2 (and subsequent years)**

- HIMT 6012 (09606) Research Thesis
- HIMT 6013 (09607) Research Thesis
Professional experience
In the Master of Health Information Management and the Graduate Diploma of Health Science (Health Information Management), professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW). Placements can be undertaken in NSW, interstate and overseas.

Clinical practice dates - Master of Health Science (Health Information Management)
December (1 week)

Clinical practice dates - Graduate Diploma of Health Science (Health Information Management)
26 June - 7 July (2 weeks)
4-15 December (2 weeks)

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

Units of study

BACH 5002 Educational Design

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analysis of descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

Textbooks
Non prescribed

BACH 5061 Statistical Analysis with SPSS
Old code 2552E. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Pepper, (02) 9351 9589. Offered: February, July. Classes: Contract learning including a small number of on-campus. Assessment: practical assignments.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

BACH 5067 Research Methods I: Design

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

BACH 5068 Statistics for Clinical Research

This unit aims to introduce students to basic statistical principles relevant to the manipulation and analysis of clinical data. Students will be exposed to concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. This last topic will include chi square analysis, calculation of confidence intervals, tests for differences in the locations of samples (including t-tests and tests for non-normally distributed data), correlation and regression, sample size estimation and an introduction to survival analysis. It is expected that at the conclusion of the unit students will be able to: appraise published statistical analyses; perform simple statistical tests with the assistance of a computer package; and present statistical data.

BACH 5253 Intermediate Statistics

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

**BACH 5268 Developing a Research Project**
Old code 2558AX. 6 credit points. Kate O' Loughlin, (02) 9351 9531.
Classes: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

**BACH 5310 Research Methods I: Design**
Old code: 25596.2 credit points. Dr Rob Heard, (02) 9351 9488.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

**HIMT 5005 Introduction to Data Processing and Microcomputers**
Old code 09425.2 credit points. Angelika Lange, (02) 9351 9570.
*Offered: February.* (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces students to microcomputers and mainframe computers and also deals with the history of computer technology, introduction to computer hardware and concepts, use of microcomputers and applications software. Areas studied include MS-DOS, WINDOWS, a spreadsheet package, and a database package.

**HIMT 5012 Introduction to Programming and Database Design**
Old code 09445.4 credit points. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces students to the third generation programming language PASCAL, Nassi-shneiderman diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester they learn to use the database language SQL and to design a new database in CRS (Clinical Report System).

**HIMT 5013 Fundamentals of Medicine and Medical Terminology I**
Old code 09446.4 credit points. Enquiries (02) 9351 9494. *Offered: February.* (no commencing students from 2001). Classes: on-campus 4 hours/week Attendance required; day classes.
Assessment: class test, presentation, final examination.

This unit is designed to provide students with the knowledge necessary to understand the information contained in the health record, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology (disease titles, symptomatic terms, surgical terms and investigations).

**HIMT 5014 Fundamentals of Medicine and Medical Terminology II**
Old code 09447.4 credit points. *Offered: July.* (no commencing students from 2001). Classes: on-campus 4 hours/week Attendance required; day classes. Assessment: class test, presentation and final examination.

This unit continues the study of anatomy and physiology, disease processes and interventions, and medical terminology, organised around body systems. Special areas such as psychiatry and medical imaging will also be addressed.

**HIMT 5015 Professional Experience**
Old code 09448.2 credit points. *Offered: July.* (no commencing students from 2001).

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.

**HIMT 5018 Health Care Evaluation**
Old code 09470.2 credit points. Joanne Callen, (02) 9351 9494.
*Offered: July.* (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are introduced to the concepts of quality health care. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, and clinical indicators. Approaches to improve quality of care such as practice guidelines are discussed. Program evaluation principles will be addressed. Techniques and methodologies for assessing care, along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

**HIMT 5019 Introduction to Casemix**
Old code 09501.6 credit points. Prof Beth Reid, (02) 9351 9494.
*Offered: February.* Classes: Attendance required. Night classes (classes will be held one evening per week).

The purpose of this unit is to introduce the concepts, which underpin the design and use of casemix systems. The major emphasis is on the Australian National Diagnosis Related Groups (AN-DRGs) used in acute hospitals. However, the issues surrounding the use of casemix systems for non-acute inpatients and ambulatory patients are also analysed. The unit includes an introduction to the concepts of several applications of casemix information, but the details related to paying for care based on casemix are explored in the unit Casemix Funding and Financial Management The current casemix initiatives of the Commonwealth, States and at the hospital level are explored along with likely future developments.

**HIMT 5020 Generating and Using Casemix Information**
Old code 09502.6 credit points. Prof Beth Reid. *Offered: February.* Classes: Attendance required; night classes (classes will be held one evening per week).

This unit is designed to give students practical experience in the production and analysis of casemix information. The unit functions as a companion to the unit Introduction to Casemix by giving students practical illustrations of the casemix concepts as they are introduced. The major emphasis will be on the AN-DRG system because suitable software is currently limited to
that system. Software for other casemix systems will be intro­
duced into the course as it becomes available.

**HIMT 5021 Casemix Funding and Financial Management**
Old code 09503.6 credit points. Prof Beth Reid. Offered: July. Classes: Attendance required. Classes will be held one evening per week.

This unit is concerned with one of the main applications of casemix data, paying hospitals on the basis of their output. The various models used for casemix based payment systems in Victoria, Queensland and South Australia are explored. The unit explains the methods used to cost the activities of hospitals and set the prices of the AN-DRGs. Differences in the population and casemix based funding approaches are examined with special reference to experiences with integrating the two in NSW and Queensland. In addition, the potential role of casemix in a provider-purchaser split funding model is also considered. A casemix management game is used to provide insight into the potential impact of casemix based funding at the hospital level. The unit also examines the issues surrounding the use of casemix based budgeting within hospitals.

**HIMT 5022 Implementing Casemix Systems**
Old code 09504.6 credit points. Prof Beth Reid. Offered: July. Classes: Attendance required. Night classes (classes will be held one evening per week).

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

**HIMT 5023 Fundamentals of Medicine and Medical Terminology**
Old code 09505.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: off-campus.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records, to function within a medical environment through an understanding of the fundamentals of medicine, and to effect­ively use disease classification systems. Within each body sys­tem, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radi­ology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

**HIMT 5025 Clinical Data Management and Clinical Trials**
Old code 09507.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: off-campus.

This unit will discuss in detail the processes involved in con­ducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the develop­ment of a clinical trial, various design issues including blind­ing, crossover and factorial designs, randomisation and stratifi­cation, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality includ­ing monitoring and auditing, ethical and regulatory issues, and reporting of results.

**HIMT 5027 Introduction to Epidemiology**
Old code 09509.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: off-campus.

This unit introduces students to principles and practice of epide­miology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test spe­cificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

**Hi MT 5028 Health Informatics**
Old code 09510.2 credit points. Ms Angelika Lange. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

This unit is designed to examine hospital information systems in the wider context of computers in information management and in clinical management. This unit covers new developments in computer and communication technology and their applica­tion in health care systems.

**Hi MT 5029 International Disease Classification Systems A**
Old code 09511.2 credit points. Anne Marks. (02) 9351 9057. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using MBS-Extended. It in­cludes the historical development of clinical classification sys­tems and students will be able to make practical comparisons between ICD-9-CM and ICD-10-AM. Disease and operations indices, morbidity and mortality statistics collections and notifi­cation and registration systems will be studied.

**Hi MT 5030 International Disease Classification Systems B**
Old code 09511.2 credit points. Anne Marks. (02) 9351 9057. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit builds on unit matter studied in HIMT 5021 (09511) and also gives students the opportunity to code from medical records in hospitals and to become familiar with computer-ass­isted coding and indexing systems.

**Hi MT 5031 Law and Health**
Old code 09513.3 credit points. Tina Magennis. (02) 9351 9566. Offered: July (no commencing students from 2001). Classes: on­campus 3 hours/week. Attendance required; day classes. Assessment: class test and final examination.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the struc­ture of the court system, legal personnel and litigation, subpoe­na of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care sys­tems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

**Textbooks**

**Hi MT 5032 Human Resource Management**

This unit is designed to introduce the student to the human re­source management functions relevant to the work of the Health Information Manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The industrial relations framework in Australia with particular emphasis on the current workplace focus and conflict resolution are covered and students are also taught to prepare their own curriculum vitae.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

**Hi MT 5033 Financial Management in Health Care Facilities**
Old code 09515.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.
In this unit students are introduced to the financial management of hospitals and health care institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process, types of budgets and auditing. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 5034  Information Systems Management I  
Old code 09516.3 credit points. Offered: February (no commencing students from 2001).

This unit introduces students to the concepts of health information systems management by means of an integrated study of the nature of information, health record management, including patient identification, filing and retrieval systems, record control, forms design, record structures and computerised health record systems such as HOSPAS and MPAS.

HIMT 5035  Health Care Systems  
Old code 09517.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

HIMT 5036  Information Systems Management II  
Old code 09518.2 credit points. Offered: July (no commencing students from 2001).

In this Unit students extend their study of health information systems by focusing on the collection, analysis and reporting of health data. This will include the current systems used to collect and report data to government departments and other authorities.

Forms design principles and forms management will also be covered. Professional issues will be covered through discussion of current literature in the field of health information management.

HIMT 5041  Introduction to Management Principles  
Old code 09523.2 credit points. Ms Tina Magennis, (02) 9351 9566. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit is designed to introduce postgraduate students to the concept of management and the application of management knowledge to the practice of health information management. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas include total quality management, motivation, organisational communication and the change process. The unit content of Introduction to Management also supports the professional experience component of the course.

HIMT 5044  Casemix Measurement Systems  

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.

Textbooks  
No core text

HIMT 5045  Epidemiology  
Old code 09532.2 credit points. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces the student to epidemiology through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies - and quantitative measures for epidemiological research. This unit also includes data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and presentation in data management.

HIMT 5048  Information Systems Management I  

This unit introduces students to the concepts of health information systems management by means of an integrated study of the nature of health information and its management. Students will examine hospital information systems in the wider context of computers in information management. The major components covered include: patient identification, storage and retrieval systems, retention policies and storage media, discharge analysis and the content and structure of health information systems. Legal aspects related to confidentiality and release of information will also be examined.

Hospital visits to observe and practice skills are a compulsory component of the unit. Students are given the opportunity to perform various tasks in small groups under the supervision of a health information manager. The hospital visits are structured in a way that allow the student to apply the knowledge gained from the lecture material.

HIMT 5049  Information Systems Management II  

In this unit students extend their study of health information systems by focussing on the collection, analysis and reporting of health data. This will include current systems used to collect and report data to government departments and other authorities.

Forms design principles and forms management will also be covered. Professional issues will be covered through discussion of current literature in the field of health information management.

HIMT 5050  International Disease Classification Systems A  

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using MBS-Extended. It includes the historical development of clinical classification systems and students will make comparisons between ICD-9-CM and ICD-10-AM. The focus of the unit is to develop the students practical coding skills.

HIMT 5051  International Disease Classification Systems B  
Old code 09529.3 credit points. Enquiries (02) 9351 9494. Offered: July. Prerequisite: International Disease Classification Systems A HIMT 5050 (09528). Classes: on-campus evening classes. Assessment: assignments and examinations.

This unit builds on both theoretical and practical issues studied in HIMT xxxx and allows the student the opportunity to code using hospital medical records. The student will also become familiar with computer assisted coding and indexing systems.

HIMT 5052  Database Management Systems  
Old code 09530.6 credit points. Ms Angelika Lange, (02) 9351 9570. Offered: Inter-semester. Classes: on-campus block mode, off-campus. Assessment: assignments and examinations.

This unit covers the study of relational database design, using SQL (Sybase) and MS Access. This includes data structures, logic database design, the relational model, the process of normalisation and the functions of a database management system. Object-oriented database design is introduced, and OO-query languages, their implementation and comparisons with relational design will be covered.
This unit is designed to provide the student with the knowledge necessary to understand the information contained in the health record, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology (disease titles, symptomatic terms, surgical terms and investigations).

HIMT 5054 Fundamentals of Medicine and Medical Terminology II
Old code 09532.3 credit points. Enquiries (02) 9351 9494. Offered: July. Prerequisite: Fundamentals of Medicine and Medical Terminology I (HIMT 5053 (09531)). Classes: on-campus, off-campus. Assessment: examination.
This unit builds on Fundamentals of Medicine and Medical Terminology I. Further exploration of medical terms. In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, obstetrics, pediatricians, infectious diseases, oncology, radiotherapy, nuclear medicine, diagnostic procedures and surgical techniques.

HIMT 5055 Professional Experience
Old code 09533.2 credit points. Enquiries (02) 9351 9494. Offered: end of July semester. Classes: Nil. Practical: Professional experience will be a one-week placement undertaken in December.

HIMT 5056 Research in Health Information Management
This unit provides an overview of the research process. The students design, plan and implement the investigation of an area of professional relevance. It requires the completion of a publishable paper.

HIMT 5057 Introduction to Health Informatics
Old code 09535.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: on-campus.
This unit introduces the definition of data, information and knowledge as well as what defines a system and a model. National and state information policies will be reviewed and steps in policy formulation, analysis and implementation will be covered. A central focus will be issues relating to privacy, confidentiality, security and the ethical use of health information. This will include discussion of relevant legislation.

HIMT 5058 Health Informatics Applications
Old code 09536.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit will introduce system analysis and design concepts, including the system life cycle, scheduling tools and approaches to assessing user requirements. Relevant IT standards for the health sector, for example HL7 will be covered along with issues related to data warehousing. Health informatics applications such as imaging, smart cards, telemedicine, wireless data transmission, handheld computers, robotics, data transmission via the Internet, expert systems and decision support systems will be discussed. A focus will be the design and implementation of the electronic patient record.

HIMT 5059 Health Classification Systems
Old code 09537.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit introduces the student to the concepts of organising health information in a logical way to interface with an electronic information system. The importance of terminologies such as the Unified Medical Language System will be investigated along with issues related to comparing coding systems, including mapping. A review of the structure of a range of current health classification systems such as International Classification of Diseases (ICD), the Systematised Nomenclature of Medicine (SNOMED), Read Codes, the International Classification of Primary Care (ICPC) and casemix (DRGs, RUGs, AVG) will be undertaken.

HIMT 5060 Managing the integration of health informatics
Old code 09538.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit aims to provide students with management skills that are needed to ensure the successful integration of information technology into an organisation. Topics covered include decision-making, the management of change and organisational culture. The features and development of an effective learning organisation are discussed.

HIMT 5061 Dissertation A
Old code 09540.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: Directed independent study. This unit requires the preparation of a proposal for the investigation of an area of professional relevance and the completion of a publishable paper reporting the results of the investigation.

HIMT 5062 Dissertation A
Old code 09540.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: Directed independent study. This unit requires the preparation of a proposal for the investigation of an area of professional relevance.

HIMT 5063 Dissertation B
Old code 09541.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: Directed independent study. The dissertation requires the completion of a publishable paper reporting an original investigation of an area of professional relevance.

HIMT 5065 Project Management
This unit focuses on two key management areas: management theory and practice; and project management including budgeting and costing principles.

HIMT 5066 Advanced Clinical Data Management
Old code 09546.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus daytime attendance, off-campus. Assessment: assignments and examinations.
This advanced unit will build on the principles and skills developed in the core unit clinical data management. A focus will be regulatory, legal and ethical issues in clinical research including GCP and FDA requirements and NHMRC guidelines.

HIMT 5067 Evidence Based Health Care
Old code 09547.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
Greater demands are being placed upon health care practitioners and managers to adopt evidenced-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal.
HIMT 5068  Microcomputing and Data Mining
This unit introduces the student to common computer applications including word processors, spreadsheets, databases, and web browsers. The aim is for students to acquire sophisticated skills in the use of these applications. Search strategies for finding health information on the Internet are covered and different search engines are compared. An introduction to the structure of literature databases, thesauri and MESH-systems is given and methods of searching the medical literature, for example using CD-ROM databases are presented.

HIMT 5069  Health Care Systems
This unit provides an introduction to the Australian Health Care System. Topics covered include Commonwealth and State responsibilities for health with a particular focus on funding issues, healthcare expenditure, the structure and organisation of health insurance, health care facilities and the health workforce. The unit encourages a critical appraisal of current health arrangements and policies and an appreciation of the pluralistic nature of the health system. Students will participate in the "Health Care Game", an interactive web-based program, as part of the unit.

HIMT 5070  Human Resource Management
This unit of study focuses on managing the human resources of an organisation. Students explore in depth the individual processes of human resource management and their inter-relationships, including: human resource planning; recruitment; selection; orientation and training; career development and performance appraisal. The unit also covers the industrial relations framework in Australia with particular emphasis on the current workplace focus with enterprise bargaining. The implications of equal employment legislation and affirmative action legislation to the employment relationship are also covered.

HIMT 5071  Introduction to Epidemiology
Old code 09551.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

HIMT 5074  Health Services Management
This unit of study explores a range of management theories, perspectives and approaches. Topics covered include the functions of planning, organising, leading and controlling as well as total quality management, change management and organisational communication. The students investigate the relevance and applicability of these management concepts to health services management and undertake critical analyses of contemporary management theories. Students are also encouraged to develop their own skills as managers by applying the relevant management theories.

HIMT 5075  Medicolegal Principles and Practice
Old code 09554.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit introduces students to the legal system in Australia and legal constructs with which managers within the health care system should be familiar. The focus of this unit is on the management of the medico-legal function in an information services department. Topics include patient access to information, medico-legal correspondence, subpoenas and the NSW Health Department Patient Matters Manual. Privacy legislation and standards are also addressed.

HI MT 5076 Casemix Management Systems
Old code 09555.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit introduces the student to casemix classification systems which are used by states and territories to fund healthcare services. This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

HIMT 5077  Change Management in an Organisational Context
Old code 09556.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: on-campus block mode. Assessment: assignments and examinations.
This unit aims to provide students with management skills that are needed to ensure the successful implementation of change within an organisation. Change management theories are explored with specific emphasis on applying these theories to the healthcare environment. The linkage of decision making, organisational culture and communication to successful change management are also explored. The features and development of an effective learning organisation are discussed with exploration of the five disciplines of systems thinking, personal mastery, mental models, shared vision and team learning.

HIMT 5078  Financial Management in Health Care Facilities
In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include basic financial accounting, costing and budgeting with an emphasis on departmental budgeting. Billing and claims processes in the private sector are examined as well as methods of funding used in the public sector. Differences between financial management approaches in the private and public sectors are highlighted.

HIMT 5079  Health Informatics Project
The unit provides candidates with the opportunity to undertake an advanced investigation of a topic or issue related to health informatics.

HIMT 6008  Research Proposal
Old code 09602.6 credit points.
The aim of this unit is to allow the students to develop a formal research proposal for their intended research thesis. This will include the development of the research question, literature review, research design and proposed statistical analysis. Successful completion of this unit will be required before enrolment in the unit 09418 Research Thesis.

HIMT 6009  Research Thesis
Old code 09603. Prerequisite: HIMT 6007 (09467) Research Proposal.
The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.
HIMT6010 Research Thesis
Old code 09604. **Prerequisite:** HIMT 6007 (09467) Research Proposal.
The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6011 Research Thesis
Old code 09605.
The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6012 Research Thesis
Old code 09606. **Prerequisite:** HIMT 6007 (09467) Research Proposal.
The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

HIMT 6013 Research Thesis
Old code 09607. **Prerequisite:** HIMT 6007 (09467) Research Proposal.
The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.
CHAPTER 7
School of Medical Radiation Sciences

Graduate Certificate of Health Science (Medical Sonography)
This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It is a two semester part-time course comprising 24 credit points. Students wishing to articulate from the Graduate Certificate to higher levels within the program must gain at least a credit average.

Students who successfully complete the Graduate Certificate program will be able to:

i) Carry out a range of sonographic procedures in their specialised field

ii) Write coherently and logically

iii) Translate their learning to the workplace and apply their knowledge at an advanced level

iv) Apply informed critical thinking to their professional activities.

The Graduate Certificate will not meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR).

Admission requirements
i) Diploma in the medical radiation science field (specifically radiography, nuclear medicine technology and radiation therapy); or

ii) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students with professional accreditation in the fields of diagnostic radiography, nuclear medicine technology and radiation therapy, but less than a Diploma qualification, will be required to:

i) have at least three years recent clinical experience

ii) present evidence to the Head of School of their ability to study at postgraduate level

iii) complete any enabling units of study that may be required by the Head of School.

Course outline
The course outline for the Graduate Certificate of Health Science (Medical Sonography) is presented in Table 7.1.

Table 7.1: Graduate Certificate of Health Science (Medical Sonography)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
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</tr>
</thead>
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<tr>
<td>BIOS 5047 (11454X)</td>
<td>Off-campus; 2 semesters</td>
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<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 5047</td>
<td>Biological Sciences</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sonography Elective or Elective</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Clinical Practice Elective</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sonography Elective or Elective</td>
<td>6 or 4</td>
<td></td>
</tr>
</tbody>
</table>

Stage total (24 credit points) 10 14

Notes to Table 7.1
1, 2, 3. Electives are outlined below table 7.3. The choice of electives must be approved by the Course Coordinator prior to enrolment.
• Clinical Practice Elective may be taken in Semester 1 or 2.
• On-campus residentials may be required for some components.
Graduate Diploma of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It provides for the development of knowledge and skills relevant to the professional practice of medical sonography. The course covers physical principles and instrumentation, professional issues encountered in the field of sonography and a wide variety of the applications of sonography.

It is a 4 semester part-time course comprising 48 credit points, offered in off-campus mode with on-campus blocks.

Students who successfully complete the Graduate Diploma program will be able to:

- Carry out a wide range of sonographic procedures in general sonography or a specialised field
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and apply their knowledge at an advanced level
- Apply informed critical thinking to their professional activities.

Admission requirements

i) Bachelors degree in a relevant field; or
ii) Graduate Certificate of Health Science (Medical Sonography) from the University of Sydney*, or equivalent qualification from another University; or
iii) Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
iv) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
v) A condition of the course is that each student is engaged in sonography for at least 18 hours per week throughout the entire course.

*Note: Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

Course outline

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 7.2.

Table 7.2: Graduate Diploma of Health Science (Medical Sonography)

<table>
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<tr>
<th>Unit code</th>
<th>Mode of offer</th>
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Credit points: 48

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<thead>
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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 5047</td>
<td>Biological Sciences</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>MRTY 5067</td>
<td>Professional Issues</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>MRTY 5088</td>
<td>Physics &amp; Instrumentation I</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sonography Elective¹</td>
<td>-</td>
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<tr>
<td></td>
<td>Clinical Practice Elective²</td>
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<td>4</td>
</tr>
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<td></td>
<td>Stage total (24 credit points)</td>
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<td>14</td>
</tr>
<tr>
<td>MRTY 5068</td>
<td>Physics &amp; Instrumentation II</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Sonography Elective¹</td>
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<td></td>
<td>Clinical Practice Elective²</td>
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<td></td>
<td>Sonography Elective¹</td>
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<td></td>
<td>Clinical Practice Elective²</td>
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<td>4</td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points)</td>
<td>14</td>
<td>10</td>
</tr>
</tbody>
</table>

Notes to Table 7.2

1,2. Electives are outlined below table 7.3. The choice of electives must be approved by the Course Coordinator prior to enrolment.

- Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.
- Year 1 Clinical Practice Elective may be taken in Semester 1 or 2
- On-campus residential are required.
Master of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

This is a six semester part-time course comprising 72 credit points.

Holders of the Graduate Diploma of Health Science (Medical Sonography) will receive credit transfer for 48 credit points of the Master's course. Holders of the Graduate Certificate of Health Science (Medical Sonography) will receive credit transfer for 24 credit points of the Master's course. These qualifications will be relinquished on achieving the Master's qualification.

Students who successfully complete the Master's program will be able to:

- Carry out a range of sonographic procedures in general sonography or in their specialised field with a higher degree of ability than is expected from the accreditation level practitioner
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

Admission requirements

i) Degree in Medical Radiation Sciences; or
ii) Degree in a relevant field (e.g., nursing). Such applicants may be required to make up deficiencies in identified areas of assumed knowledge (e.g., physics, medical imaging modalities, etc.); or submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; or the Graduate Certificate of Health Science (Medical Sonography), Graduate Diploma of Applied Science (Medical Ultrasonography) or Graduate Diploma of Health Science (Medical Sonography) from the University of Sydney*, or equivalent qualification from another University; and at least one year of relevant work experience in the field of their undergraduate studies; and be working in the field of sonography for at least 18 hours per week during at least the first two years of the course.

*Note: Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science.

Course outline

The course outline for the Master of Health Science (Medical Sonography) is presented in Table 7.3.

Table 7.3: Master of Health Science (Medical Sonography)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 5047</td>
<td>(11454X)</td>
<td>Biological Sciences</td>
<td>4</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>MRTY 5067</td>
<td>(18557X)</td>
<td>Professional Issues</td>
<td>-</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MRTY 5088</td>
<td>(18578X)</td>
<td>Physics &amp; Instrumentation I Sonography Elective</td>
<td>6</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Practice Elective</td>
<td>-</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stage total (24 credit points)</td>
<td>10</td>
<td>14</td>
<td></td>
</tr>
</tbody>
</table>

| Year 2      |               | Physics & Instrumentation II Sonography Elective | 4       | -     |
| MRTY 5068   | (18558X)      | Clinical Practice Elective | 6       | -     |
|             |               | Sonography Elective | 4       | -     |
|             |               | Clinical Practice Elective | -       | 6     |
|             |               | Stage total (24 credit points) | 14      | 10    |

| Year 3      |               | Elective OR Sonography Elective | 6       | -     |
|             |               | Elective OR Clinical Practice Elective | 6 or 4  | -     |
|             |               | Elective | -       | 6     |
| MRTY 5086   | (18576X)      | Investigative Project | -       | 8     |
|             |               | Stage total (24 credit points) | 10      | 14    |

Notes to Table 7.3

1, 2, 3. Electives are outlined below. The choice of electives must be approved by the Course Coordinator prior to enrolment.

- Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives.
- Year 1 Clinical Practice Elective may be taken in Semester 1 or 2.
- On-campus residentials are required.
### 1. Sonography electives - 18S461A/18S62D

**Semester 1**
- MRTY 5069 (18559X) Sonography in Obstetrics and Gynaecology
- MRTY 5070 (18560X) Cardiac Sonography
- MRTY 5071 (18561X) Vascular Sonography
- MRTY 5072 (18562X) Independent Study in Sonography

**Semester 2**
- MRTY 5072 (18562X) Independent Study in Sonography
- MRTY 5073 (18563X) Abdominal Sonography
- MRTY 5074 (18564X) Superficial Structures Sonography
- MRTY 5075 (18565X) Cardiac Measurement Techniques
- MRTY 5076 (18566X) Paediatric Sonography

Some electives offered may depend on sufficient enrolments.

### 2. Clinical practice electives - 18C41A/18C42D

**Offered in both semesters**
- MRTY 5070 (18568X) Clinical Practice in Abdominal Sonography
- MRTY 5079 (18569X) Clinical Practice in Obstetric and Gynaecological Sonography
- MRTY 5080 (18570X) Clinical Practice in Superficial Structures Sonography
- MRTY 5081 (18571X) Clinical Practice in Vascular Sonography
- MRTY 5082 (18572X) Clinical Practice in Cardiac Measurement Techniques
- MRTY 5083 (18573X) Clinical Practice in Cardiac Sonography
- MRTY 5084 (18574X) Clinical Practice in Paediatric Sonography
- MRTY 5085 (18575X) Clinical Practice in Independent Study

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

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a two semester (minimum) off-campus course, comprising 24 credit points. There is no requirement to complete a coherent major area. Up to 6 credit points may be gained by studying an approved subject from outside the University. There are no obligatory units of study in this stage of the program.

Students who successfully complete the Graduate Certificate will be able to:

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

### Admission requirements

i) Diploma in the medical radiation science field (specifically diagnostic 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.

### Course outline

The course outline for the Graduate Certificate of Health Science (Medical Radiation Sciences) is presented in Table 7.4.

A minimum of 12 credit points must be completed from Medical Radiation Sciences elective units of study (listed below table 7.6). The remaining credit points may be completed from other schools of the Faculty of Health Sciences (see Chapter 13).

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

### Table 7.4: Graduate Certificate of Health Science (Medical Radiation Sciences)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Credit points</th>
<th>Year 1</th>
<th>Year 2</th>
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<tr>
<td>1843</td>
<td>Off-campus</td>
<td>24</td>
<td>Elective</td>
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<td>6</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Elective</td>
<td></td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective</td>
<td></td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Elective</td>
<td></td>
<td>-</td>
<td>6</td>
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</tbody>
</table>

**Stage total (24 credit points)**

<table>
<thead>
<tr>
<th></th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>
Graduate Diploma of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a three semester (minimum) off-campus course, comprising 36 credit points. To qualify for a Certificate of Specialisation there should be a minimum of 30 credit points from a major area. Up to 12 credit points may be gained by studying elective units from outside the University. There is one obligatory unit of study that must be completed by students.

Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Graduate Diploma course. This qualification will be relinquished on achieving the Graduate Diploma qualification.

Students who successfully complete the Graduate Diploma will be able to:
- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Write coherently and logically
- Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

Admission requirements
i) Bachelors degree in a relevant field; or
ii) Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another University; or
iii) Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
iv) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

Course outline
The course outline for the Graduate Diploma of Health Science (Medical Radiation Sciences) is presented in Table 7.5.

A minimum of 18 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences elective units of study (listed below table 7.6). The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 13).

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

### Table 7.5: Graduate Diploma of Health Science (Medical Radiation Sciences)

<table>
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<th>Unit name</th>
<th>Sem 1</th>
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<tbody>
<tr>
<td></td>
<td>Elective</td>
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<td>Elective</td>
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<table>
<thead>
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<th>Sem 1</th>
<th>Sem 2</th>
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<tr>
<td></td>
<td>M R T Y 5 0 2 4 (18515X)</td>
<td>Current Issues in Medical Radiations</td>
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<td>Elective</td>
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<td></td>
<td>Stage total (12 credit points)</td>
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<td>12</td>
<td>-</td>
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</table>
Master of Health Science (Medical Radiation Sciences) by Coursework

This course aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a four semester (minimum) off-campus course comprising 48 credit points. To qualify for a Certificate of Specialisation issued by the School of Medical Radiation Sciences there should be a minimum of 30 credit points from a major area. Up to 18 credit points may be gained by cross-institutional enrolment in approved units of study. There is one obligatory unit of study that must be completed.

Holders of the Graduate Diploma of Health Science (Medical Radiation Sciences) will receive credit transfer for 36 credit points of the Masters course. Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Masters course. These qualifications will be relinquished on achieving the Masters qualification.

Students who successfully complete the Masters program will be able to:

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

Admission requirements

i) Bachelor 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) submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science (Medical Radiation Sciences).

Course outline

The course outline for the Master of Health Science (Medical Radiation Sciences) by coursework is presented in Table 7.6. A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences Elective units of study (next page). The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 13).

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

Table 7.6: Master of Health Science (Medical Radiation Sciences) by Coursework

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<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
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<table>
<thead>
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<th>Unit code</th>
<th>(old code)</th>
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<th>Year 2</th>
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<tr>
<td>Elective</td>
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<td>MRTY 5024</td>
<td>(18515X)</td>
<td>Current Issues in Medical Radiations</td>
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Medical Radiation Sciences electives

February Semester 2001
MRTY 5024 (18515X) Current Issues in Medical Radiations
MRTY 5028 (18518X) Advanced Image Processing
MRTY 5030 (18520X) Advanced Radiographic Pathology
MRTY 5033 (18523X) Breast Imaging I
MRTY 5034 (18524X) Breast Imaging II
MRTY 5038 (18526X) Diagnostic Imaging for Radiation Therapy
MRTY 5039 (18529X) CT Applications
MRTY 5040 (18530X) CT Practice I
MRTY 5042 (18532X) Digital Communications in Medical Radiations
MRTY 5043 (18533X) Directed Studies A
MRTY 5044 (18534X) Directed Studies B
MRTY 5045 (18535X) Directed Studies C
MRTY 5047 (18537X) History of Medical Radiations
MRTY 5051 (18541X) MR Theory
MRTY 5052 (18542X) MR Applications I
MRTY 5053 (18543X) MR Applications II
MRTY 5054 (18544X) Nuclear Cardiology
MRTY 5056 (18546X) Patient / Practitioner Communication
MRTY 5058 (18548X) Quality Management in Medical Radiations
MRTY 5062 (18552X) Specialised Skeletal Scintigraphy
MRTY 5064 (18554X) Stabilisation and Positioning
MRTY 5087 (18577X) Advanced MR Theory
MRTY 5089 (18579X) MRI Project

July Semester 2001
MRTY 4029 (18438X) MRI Project
MRTY 5090 (18580X) Advanced Multiplanar Anatomy A
MRTY 5091 (18581X) Advanced Multiplanar Anatomy B
MRTY 5028 (18518X) Advanced Image processing
MRTY 5033 (18523X) Breast Imaging I
MRTY 5034 (18524X) Breast Imaging II
MRTY 5035 (18525X) Breast Imaging III
MRTY 5039 (18529X) CT Applications
MRTY 5040 (18530X) CT Practice I
MRTY 5041 (18531X) CT Practice II
MRTY 5042 (18532X) Digital Communications in Medical Radiations
MRTY 5043 (18533X) Directed Studies A
MRTY 5044 (18534X) Directed Studies B
MRTY 5045 (18535X) Directed Studies C
MRTY 5048 (18538X) Image Interpretation
MRTY 5049 (18539X) Isotope Production
MRTY 5051 (18541X) MR Theory
MRTY 5052 (18542X) MR Applications I
MRTY 5053 (18543X) MR Applications II
MRTY 5059 (18549X) Radiation Safety
MRTY 5060 (18550X) Radiation Therapy Treatment Planning Systems
MRTY 5063 (18533X) 511 Kev Imaging
MRTY 5066 (18556X) Theory of Radiation Therapy Planning Calculations

Master of Applied Science (Medical Radiation Sciences) by Research

The Master of Applied Science (Medical Radiation Sciences) course is a research degree. The course is designed to provide an opportunity for research and scholarship in medical radiation sciences and aims to prepare individuals to pursue their career objectives as specialist practitioners, administrators, academics, or researchers.

Admission requirements
Applicants may enter the research master's program with any of the following requirements:
- A bachelor's degree in an appropriate discipline from an Australian tertiary institution; or
- A bachelor's degree in an appropriate discipline from an overseas institution equivalent to an Australian bachelor's degree; or
- A Diploma of Applied Science and a Graduate Diploma of Health Science (Sonography); or
- A Diploma of Applied Science and a Graduate Diploma of Health Science (Medical Radiation Sciences).

A student entering through (i), (ii), (iii) or (iv) must also additionally be able to demonstrate a capacity to pursue graduate studies and would normally have completed a minimum of twelve months professionally relevant post graduate experience. Applicants in the above categories, particularly for students entering through section (iii) or (iv), may be required to complete a qualifying course program.

Time limits
The standard course comprises a research elective and a research thesis. The minimum length of course for most students is two years full-time or three years part-time.

Students who enter the course with adequate research preparation may be exempt from completing the Research elective. Usually these students would have completed an approved bachelor degree program at honours level. The minimum length of the course for such students is one year full-time or two years part-time.

Course outline
The course outline for the Master of Applied Science (Medical Radiation Sciences) by Research is presented in Table 7.7.
Table 7.7: Master of Applied Science (Medical Radiation Sciences) by Research

This table refers to the standard program for full-time pass entry students; the program may alter depending on the entry level of the student.

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<tr>
<td>1836</td>
<td>Special program (for master's qualifying students)</td>
</tr>
<tr>
<td>1827</td>
<td>Full-time; minimum 2 years</td>
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<tr>
<td>1828</td>
<td>Part-time; minimum 3 years</td>
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**Full-time mode**

**Year 1**
- MRTY6004 (18503A) Research Elective
- MRTY6005 (18503B) Research Thesis

**Year 2 (and subsequent years)**
- MRTY6006 (18503C) Research Thesis
- MRTY6007 (18503D) Research Thesis

**Part-time mode**

**Year 1**
- MRTY6008 (18503E) Research Thesis
- MRTY6009 (18503F) Research Thesis

**Year 2 (and subsequent years)**
- MRTY6009 (18503F) Research Thesis
- MRTY6010 (18503G) Research Thesis

**Notes to Table 7.7**
1. Research Elective: students select an appropriate unit (subject to sufficient student numbers) in consultation with their supervisors. For a list of suggested Research Electives see Chapter 13.
Units of study

**BACH 5085 Clinical Teaching and Supervision**

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

Distance education and on campus mode night classes with independent learning packages; email and web support. (If there are insufficient on-campus enrolments, the unit may be offered by distance only.)

Textbooks

**BACH 5298 History and Philosophy of Scientific Methodology**
Old code 25594X. 6 credit points. Dr Rod Rothwell, (02) 9351 9122. Offered: February. Assessment: two assignments (1000 words and 2000 words).

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

Textbooks

**BIOS 5047 Biological Sciences**
Old code 11454.4 credit points. Dr Laurette Bateman, (02) 9351 9322. Offered: February. Classes: on-campus, off-campus, external/distance mode. Assessment: written examination, assignment, group participation and case reports.

This unit examines the general principles and mechanisms of the pathology of diseases which may be encountered in the practice of general sonography. It also covers basic embryological development.

Textbooks

**MRTY 5024 Current Issues in Medical Radiations**

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.

Textbooks
Essential reading supplied

**MRTY 5028 Advanced Image Processing**

This unit of study will deal with advanced image processing techniques including procedures relevant to imaging equipment used in diagnostic radiography, nuclear medicine technology, radiation therapy, sonography, and research in these areas. Current progress in areas such as CAD and multidimensional image processing will be addressed. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. There may be an optional residential workshop. The unit will run in semester one or two depending on demand.

Textbooks
Digital Image Processing (3rd ed), Gonzalez & Wintz (1992), Addison Wesley, (Recommended)

**MRTY 5030 Advanced Radiographic Pathology**

This unit of study will enhance the image interpretation and critiquing skills utilised by the diagnostic radiographer. The unit of study will comprise an introductory module based on paediatric pathology followed by the pathology of the central nervous, gastrointestinal, skeletal, chest and cardiac systems. This unit will be presented in a series of distance education modules that will be supported by online internet discussion groups. The assessment will be tailored to the clinical needs of individual students.

Textbooks
Pathophysiology: The Biological Basis for Disease In Adults And Children (3rd ed), McCance, K & Huether, S (1998). Morby would be useful

**MRTY 5033 Breast Imaging I**

This unit of study comprises three modules incorporating the context of mammography, technical expertise and client and radiographer satisfaction in mammography. Breast Imaging I will be delivered in distance education mode.

**MRTY 5034 Breast Imaging II**

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.

**MRTY 5035 Breast Imaging III**

This unit completes three units in breast imaging. Breast ultrasound as an imaging modality is covered in depth with emphasis on its role in the diagnosis of breast cancer. While this unit is not designed to produce a qualified breast sonographer, it is valuable to mammography as a complementary imaging method. The fundamental physical theory of ultrasound and its applications to ultrasound of the breast will be examined. This unit will be delivered in distance education mode with no requirement for attendance on-campus.

**MRTY 5038 Diagnostic Imaging for Radiation Therapy**

This unit provides the non-medical-imaging practitioner with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed. The unit will be presented in a series of distance education modules with on-line discussion groups. Practical: Students should have access to CT, nuclear medicine, Ultrasound and if possible MRI facilities.

Textbooks
A Compulsory text is provided (on deposit) with the course material
MRTY 5039  CT Applications

This unit covers the application of CT in the clinical environment, in order for students to develop and extend the theoretical skills acquired in CT Practice I and CT practice II. The main learning activity in this unit of study is a small directed research project.

Practical: Access to CT scanner is expected.

Textbooks
Reference Lists provided throughout course material. Some journal articles included

MRTY 5040  CT Practice I

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 students. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

Practical: Access to CT scanner is expected.

Textbooks
Reference lists provided throughout course material. Some journal articles included

MRTY 5041  CT Practice II
Old code 18531X. 6 credit points. Sarah Lewis. Offered: July. Classes: Off-campus.

CT Practice II includes specialist CT examinations such as dental CT, QCT and 3D CT applications including angiography. This unit of study does not cover CT anatomy in depth. The basic physics of these CT applications will be covered in this unit. The unit will look critically at the choice of parameters for these examinations and situations when the parameters may need to be varied in order to complete an optimal examination. Protocols for these examinations will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice II is offered in distance education mode. Content for this unit of study will be provided by professionals currently involved in specialist CT areas. Access to a CT scanner performing at least one of the specialist functions is advisable.

Practical: Access to a CT scanner is expected.

Textbooks
Resource list provided in course material. Basic journal articles supplied

MRTY 5042  Digital Communications in Medical Radiation Sciences

This unit of study provides students with an understanding of digital image fundamentals, such as image acquisition, storage and transmission and implications on image quality and dose. Management and the communication systems needed to facilitate patient care procedures will be examined, including PACS, DICOM, RIS, tele-radiology and record and verify systems. This unit also provides the student with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation department.

MRTY 5043  Directed Studies A

The unit allows the student, in collaboration with the University supervisor and the student’s employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student’s employer. Students wishing to study Directed Studies B or C must first complete Directed Studies A.

MRTY 5044  Directed Studies B

The unit allows the student, in collaboration with the University supervisor and the student’s employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student’s employer. Students wishing to study Directed Studies B must first complete Directed Studies A.

MRTY 5045  Directed Studies C

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
MR Applications I

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. Practical: Access to MRI is expected.

MR Applications II

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. Practical: Access to MRI is expected.

Nuclear Cardiology

This unit will examine advances in nuclear cardiology. Topics to be included are: technetium myocardial perfusion agents, radiopharmaceutical preparation and quality assurance, SPECT and Gated SPECT acquisition and analysis, first pass acquisition for ejection fraction. Instrumentation and attenuation correction will be a considered. A major focus of the subject will be research into new radiopharmaceuticals and techniques used in nuclear cardiology. This subject will be presented in a series of distant education modules that will be supported by on-line internet discussion groups.

Patient/Practitioner Communication

This unit extends the patient communication skills of the medical radiation practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes may be used to provide practical examples for student study.

No specific text recommended. Primary & secondary library sources to be accessed by students.

Quality Management in Medical Radiations

Essential reading is supplied.
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.

Practical: Access to a medical radiation department is expected.

Textbooks
Essential reading is supplied

MRTY 5059 Radiation Safety

This unit of study provides participants with a detailed coverage of radiological health and safety issues including both ionising and non-ionising radiations. The unit is particularly concerned with all aspects of radiation safety in the medical environment but will include a broader understanding of the relevance of radiation safety principles and a comprehensive appraisal of legal responsibilities. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups. There may be an optional residential workshop.

MRTY 5060 Radiation Therapy Treatment Planning Systems
Old code 18550X. 6 credit points. Marianne Rinks. Offered: July. Prerequisite: Diagnostic Imaging for Radiation Therapy (MRTY 5038) is useful but not essential. Classes: Off-campus. Assessment: continuous assessment, no examination.

This unit of study provides the radiation therapist with an understanding of the functional features of and differences between two and three dimensional treatment planning systems. The image processing tools available on treatment planning systems will be described and an overview of dose computation methods will be presented. Emphasis is placed on the visualisation methods available on 3D planning systems. These methods are described and their potential advantages and limitations are discussed. Students will be given the opportunity to investigate the application and impact of 3D treatment planning on clinical practice. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

Textbooks
Essential reading is supplied

MRTY 5062 Specialised Skeletal Scintigraphy

This unit aims to extend the learning and clinical ability of graduates in best practice contemporary skeletal nuclear medicine. The unit will be presented in two major modules. The first module focuses on the relationship between expert scintigraphic positioning and radiological positioning in enhancing diagnosis. In the second module the best practice theme is further developed through the study of nuclear medicine in sport. The unit then moves on to the study of a number of smaller modules in specialised applications of skeletal nuclear medicine including paediatrics and bone mineral densitometry. The unit will be offered in distance education mode, with full internet support.

MRTY 5063 511 KEV Imaging

With the advent of hybrid Single Photon Emission Tomography (SPECT) / Positron Emission Tomography (PET) gamma camera there is a need to understand the underlying principles of coincidence imaging and PET radiopharmaceuticals. This subject will examine the safety issues related to the handling of PET isotopes and patient imaging. Instrumentation and imaging principles will be examined, and applications of FDG imaging within the nuclear medicine department will be included. This unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

MRTY 5064 Stabilisation and Positioning

This unit covers in detail the latest research into stabilisation and positioning of the radiation therapy patient. Detection of patient and organ movement, the differences between stability and reproducibility, and random and systematic errors are investigated. Students will select a particular stabilisation or positioning problem and investigate ways of addressing the problem. This subject will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

Textbooks
Essential reading is supplied

MRTY 5066 Theory of Radiation Therapy Planning Calculations

This unit of study provides students with an in depth study of radiation therapy treatment planning calculation methods. An appreciation of the relevance of manual calculations and their methods (basic monitor unit calculations) will be established before embarking on a study of traditional correction-based and contemporary model-based algorithms. The unit will conclude with a reflection on the philosophy of treatment planning approaches in the light of current trends towards treatment optimisation. The unit will be offered in distance mode, which will be supported with on-line internet activities and discussion. This unit is most suited to students with experience in radiation therapy planning and who have a good grasp of basic mathematics.

Textbooks
The Physics of Radiotherapy X-rays for Linear Accelerators Metcalfe P. Kron T.. Koban P.

MRTY 5067 Professional Issues

This unit introduces students to medico-legal and patient relationship issues which may be encountered in the field of sonography. It also introduces students to the ethical principles required in order to develop an understanding of professionally accepted behaviours and standards appropriate to the practice of medical sonography within the broad context of the delivery of health care. Modules are offered for study in distance mode. These are combined with discussion of the issues presented, at an on-campus block.

MRTY 5068 Physics and Instrumentation II
Old code 18558X. 4 credit points. Dr Alastair Davison. Offered: July. Prerequisite: Physics and Instrumentation I MRTY 5088 (18578X). Classes: Block attendance. Assessment: assignments and examination.

This unit builds on the physical principles and instrumentation of diagnostic ultrasound presented in Physics and Instrumentation I. It covers areas such as advanced Doppler, colour flow imaging, quality assurance programs for instrumentation, the interaction of ultrasound and biological tissue and the possible biological effects which may occur, and the principles of image formation and processing as applied in ultrasound instrumentation. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.
MRTY 5069 Sonography in Obstetrics and Gynaecology
Old code 18559X. 6 credit points. Ms Jane Fonda, (02) 9351 9185.
This unit examines in detail sonography of soft tissues in the female pelvis and in obstetrics. Distance learning modules are provided and are supported in an on-campus block lectures and tutorials.

MRTY 5070 Cardiac Sonography
Old code 18560X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit examines sonography of the adult heart in detail, and introduces paediatric echocardiography and congenital conditions encountered in adult practice. In addition, some complimentary techniques used in cardiac diagnosis and care are presented.
This unit will require evening, on-campus attendance in 2001.

MRTY 5071 Vascular Sonography
Old code 18561X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit will allow students to engage in an investigation of non-invasive and sonographic methods of detection of vascular disease processes.
This unit will require evening, on-campus attendance in 2001.

MRTY 5072 Independent Study in Sonography
Old code 18562X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit will allow students to engage in an investigation of sonographic practice not covered by the existing units of study and will require a learning contract negotiated between the student and staff. While regular communication with the nominated supervisor will be required, on-campus attendance is not necessary.

MRTY 5073 Abdominal Sonography
Old code 18563X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
Offered: July. Classes: Block attendance. Assessment: assignments and examination.
This unit examines in detail sonography of the soft tissues of the upper abdomen and the male pelvis. Distance learning modules are provided and are supported with practical sessions, lectures and tutorials, in an on-campus block.

MRTY 5074 Superficial Structures Sonography
Old code 18564X. 6 credit points. Ms Jane Fonda, (02) 9351 9185.
Offered: July. Classes: Block attendance. Assessment: assignments and examination.
This unit examines in detail sonography applied to superficial organs and structures, including basic peripheral vascular and musculoskeletal sonography. Distance learning modules are provided and supported by lectures and tutorials in an on-campus block.
Practical: Minimum 18 hours/week.

MRTY 5075 Cardiac Measurement Techniques
Old code 18565X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
Offered: July. Classes: Block attendance. Assessment: assignments and examination.
This unit covers cardiac physiological measurement techniques used in clinical settings. Distance learning modules are provided and supported by lectures and tutorials in an on-campus block.

MRTY 5076 Paediatric Sonography
Old code 18566X. 6 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit covers general sonography as applied to the paediatric patient, including patient care and studies unique to the paediatric population. This unit will be facilitated in distance education mode with optional on-campus tutorials provided, subject to demand.

MRTY 5078 Clinical Practice in Abdominal Sonography
Old code 18568X. 4 credit points. Ms Jane Fonda, (02) 9351 9185.
This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Abdominal Sonography (MRTY 5073).
Practical: Minimum 18 hours/week.

MRTY 5079 Clinical Practice in Obstetric and Gynaecological Sonography
Old code 18569X. 4 credit points. Ms Jane Fonda, (02) 9351 9185.
This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Sonography in Obstetrics and Gynaecology (MRTY 5069).
Practical: Minimum 18 hours/week.

MRTY 5080 Clinical Practice in Superficial Structures Sonography
Old code 18570X. 4 credit points. Ms Jane Fonda, (02) 9351 9185.
This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Superficial Structures Sonography (MRTY 5074).
Practical: Minimum 18 hours/week.

MRTY 5081 Clinical Practice in Vascular Sonography
Old code 18571X. 4 credit points. Ms Jill Clark, (02) 9351 9516.
This unit covers the application of vascular sonography in the clinical environment, in order for the student to develop skills as taught in Vascular Sonography (MRTY 5071).
Practical: Minimum 18 hours/week.

MRTY 5082 Clinical Practice in Cardiac Measurement Techniques
Old code 18572X. 4 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit covers the application of cardiac measurement techniques in the clinical environment, in order for the student to develop skills as taught in Cardiac Measurement Techniques (MRTY 5075).
Practical: Minimum 8 hours/week.

MRTY 5083 Clinical Practice in Cardiac Sonography
Old code 18573X. 4 credit points. Ms Jill Clark, (02) 9351 9516.
This unit covers the application of cardiac sonography in the clinical environment, in order for the student to develop skills as taught in Cardiac Sonography (MRTY 5070).
Practical: Minimum 18 hours/week.

MRTY 5084 Clinical Practice in Paediatric Sonography
Old code 18574X. 4 credit points. Ms Jane Fonda, (02) 9351 9185.
This unit covers the application of paediatric sonography in the clinical environment, in order for the student to develop skills as taught in Paediatric Sonography (MRTY 5076).
Practical: Minimum 18 hours/week.

MRTY 5085 Clinical Practice in Independent Study
Old code 18575X. 4 credit points. Ms Jill Clarke, (02) 9351 9516.
This unit covers the application of an investigation of sonographic practice in the clinical environment, in order for the student to
develop skills as acquired in Independent Study in Sonography (MRTY 5072).
Practical: Minimum 18 hours/week.

MRTY 5086 Investigative Project
Old code 18576X. 8 credit points. Ms Jill Clarke, (02) 9351 9516. Offered: February. Classes: Nil. Assessment: dissertation. This unit provides the student with the opportunity to undertake a supervised project. This will consist of either a substantial literature review and critique on a topic of interest to the student from the student's major field, or a research-oriented project in which the student may carry out a small pilot study aiming towards the development of a research proposal for a future Master's (Research) or PhD project. This unit of study can be facilitated on-campus or off-campus.

MRTY 5087 Advanced MR Theory
Old code 18577S. 6 credit points. John Robinson. Offered: February. Assumed knowledge: Advised that MR Theory and MR applications I are completed prior to studying this unit. Classes: Off-campus. Assessment: continuous assessment, no examination. This unit of study is designed to articulate with the unit 18541X MR Theory, and expand the practitioner's understanding of the principles of: flow and MRA, contrast enhanced MRA, perfusion imaging, BOLDfMRI, diffusion-weighted imaging and MRS. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have regular and constant access to a magnetic resonance imaging site. The delivery will be in distance education mode and will utilise a wide range of media, including printed material, CD ROM and floppy discs.
Practical: Access to MRI is expected.

MRTY 5088 Physics & Instrumentation I
Old code 18578X. 6 credit points. Mr Barrie Egerton, (02) 9351 9514. Offered: February. Classes: Block attendance. Assessment: assignments and examination. This unit presents the basic physical principles and instrumentation of diagnostic ultrasound. It includes methods of image production, interpretation, recording techniques, the principles of grey scale echography and adjustment procedures for relevant operation controls. The unit also covers the recognition of artefacts within an image and the ability to separate these artefacts from anatomy or disease, and Doppler ultrasound fundamentals. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

Textbook
Applied Physics and Technology of Diagnostic Ultrasound. Gent, R.

MRTY 5089 MRI Project
Old code 18579X. 6 credit points. Mr John Robinson. Offered: February, July. Prerequisite: Students are advised to complete at least two MR units of study before undertaking this unit. Classes: Off-campus. Assessment: negotiated assessment. This unit allows the student studying MRI, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student or the MRI practitioners. This unit will require a learning contract that will achieve the desired educational outcomes to be negotiated and agreed upon by all parties. The unit of study will be directed towards MRI and may comprise a literature review covering the development and applications of a new technology, a specific workplace experience and analysis, or it may comprise a combination of these elements.

MRTY 5090 Advanced Multiplanar Anatomy A
Old code 18580X. 6 credit points. Offered: July. Detailed anatomy of the musculoskeletal system and vascular systems of the thorax and abdomen is presented in this unit. The practical component involves interpretation of hard copy images. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no residential school.

MRTY 5091 Advanced Multiplanar Anatomy B
Old code 18581X. 6 credit points. Offered: July. Detailed anatomy of the brain is presented in this unit. The regions studied are the brain stem, cranial nerves and nuclei, cerebellum, diencephalon, cerebral hemisphere and cortex, basal ganglia, limbic system, ventricular system and the blood supply. The practical component involves interpretation of hard copy images and will be predominantly MR images. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no residential school.

MRTY 6004 Research Thesis
Old code 18503A. Offered: February. Classes: On or Off-campus. Assessment: thesis. The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6005 Research Thesis
Old code 18503B. Offered: July. Classes: On or Off-campus. Assessment: thesis. The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6006 Research Thesis
Old code 18503C. Offered: February. Classes: On or Off-campus. Assessment: thesis. The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6007 Research Thesis
Old code 18503D. Offered: July. Classes: On or Off-campus. Assessment: thesis. The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6008 Research Thesis
Old code 18503E. Offered: February. Assessment: thesis. The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

MRTY 6009 Research Thesis
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).

MRTY6010 Research Thesis
Old code 18503G. Offered: February. Classes: On or Off-campus.
Assessment: thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).
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;
4. Possess an award of Master of Occupational Therapy from the University of Sydney or
5. Possess such qualifications as are deemed equivalent to (1), (2) or (3);
6. Possess an award of Diploma in Occupational Therapy from a recognised educational body and submit such other evidence of general and/or professional qualifications as will satisfy the Faculty that the applicant possess the educational preparation and capacity to pursue graduate studies;

For occupational therapists without these qualifications entry may be possible through successful completion of a qualifying program designed specifically for individual applicants.

Course outline
The course outline for the Graduate Certificate of Health Science (Occupational Therapy) is presented in Table 8.1.

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1544</td>
<td>Full time (1 semester)</td>
<td>8 Professional Practice topics (3 credit points each)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1545</td>
<td>Part time (2 semesters)</td>
<td>Choose a total of 24 credit points from the following topics/electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1546</td>
<td>Off-campus (2 semesters)</td>
<td>4 Professional Practice topics (3 credit points each)</td>
<td>12</td>
<td>12</td>
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</tbody>
</table>

Part-time mode
<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>15P24A</td>
<td>Choose a total of 24 credit points from the following topics/electives</td>
<td>15G24A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Topics/electives
Topics in Theory see A under Master of Health Science (Occupational Therapy) by Coursework
Topics in Research see B under Master of Health Science (Occupational Therapy) by Coursework
Professional Practice topics see C under Master of Health Science (Occupational Therapy) by Coursework
Faculty electives see chapter 13.
Master of Health Science (Occupational Therapy) by Coursework

The Master of Health Science (Occupational Therapy) course is designed to provide study in occupational therapy and related topics appropriate for leadership roles in clinical practice.

Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 50 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course manager with approval of the Head of School. The course has both coursework and inquiry project options for units of study. Students may seek to have work completed in the Master of Health Science (Occupational Therapy) credited against the requirements of professional doctorate (HScD) offered by the Faculty.

Candidates in the MHlthSc(OT) who have received 65 percent Credit or better in all units of study and a 75 percent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation.

Admission requirements
See Graduate Certificate of Health Science (Occupational Therapy).

Course outline

The course outline for the Master of Health Science (Occupational Therapy) is presented in Table 8.2.

Table 8.2: Master of Health Science (Occupational Therapy) by coursework

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Mode of offer</th>
<th>Mode of offer</th>
<th>Mode of offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1547</td>
<td>Full time, 1 year</td>
<td>1550</td>
<td>Full-time Honours, 1.5 years</td>
<td>1548</td>
</tr>
</tbody>
</table>

Credit points for 1547/1548/1549: 48
Credit points for 1550/1551/1552: 60

<table>
<thead>
<tr>
<th>Unit code</th>
<th>(old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15G61A</td>
<td>Topics in Theory</td>
<td>6</td>
<td>or</td>
<td>6</td>
</tr>
<tr>
<td>15G61B</td>
<td>Topics in Research</td>
<td>6</td>
<td>or</td>
<td>6</td>
</tr>
<tr>
<td>15P36A</td>
<td>Professional Practice Topics</td>
<td>12</td>
<td>or</td>
<td>12</td>
</tr>
<tr>
<td>Stage total (48 credit points for Year 1)</td>
<td>24</td>
<td>24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Year 2 Honours                                      |
| OCOP 5136 (15570) Dissertation                       |
| Stage total (12 credit points for Year 2)            | 12 |

| Part-time mode                                       |
| Year 1                                              |
| (15G61A) Topics in Theory | 6 | or | 6 |
| (15G61B) Topics in Research | 6 | or | 6 |
| (15P12B) Professional Practice Topics | 12 |
| Stage total (24 credit points for Year 1)            | 12 | 12 |

| Year 2                                              |
| (15P24A) Professional Practice Topics                | 12 | 12 |
| Stage total (24 credit points for Year 2)            | 12 | 12 |

| Year 3 Honours                                      |
| OCOP5136 (15570) Dissertation                        |
| Stage total (12 credit points for Year 3)            | 12 |

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Master of Health Science (Occupational Therapy)

The MHlthSc(OT) consists of three topic areas from which participants select specific units of study: Topics on Theory, Topics in Research and Professional Practice Topics. Participants are required to complete a minimum of 6 credits from Topics in Theory and a minimum of 6 credits from Topics in Research. Specific units of study contained in these topic areas are described below.

A. Topics in Theory: minimum 6 credits
B. Topics in Research: minimum 6 credits
C. Professional Practice Topics:
   1. Topics in Assessment
   2. Topics in Service Delivery
   3. Topics in Enhancing Human Occupation
   4. Inquiry Topics

A. 15G61A Topics in Theory

3 credit points each
- OCCP 5104 (15538) Understanding Health Science Theory
- OCCP 5105 (15539) Theory Application 1
- OCCP 5106 (15540) Theory Application 2
- OCCP 5107 (15541) Theory Application 3
- OCCP 5108 (15542) Theory Application 4

B. 15G61B Topics in Research

6 credit points each
- OCCP 5064 (15501) Single Systems Research Design & Evaluation Methods
- OCCP 5068 (15506) Program Evaluation
- OCCP 5100 (15449X) Research & Inquiry in Professional Practice
- OCCP 6008 (15502) Research Methods & Design for Therapists

C. 15G12A/15G12B/15G24B Professional Practice Topics

Professional Practice Topics are divided into four broad topic areas:
- Topics in Assessment
- Topics in Service Delivery
- Topics in Enhancing Human Occupation
- Inquiry Topics/Projects.

Participants are required to complete a minimum of 36 credit points from Professional Practice Topics but there are no minimum credit requirements from these four broad topic areas.

1. Topics in Assessment
   3 credit points each
   - OCCP 5109 (15543) Assessment Principles*
   - OCCP 5110 (15544) Tests & Measures of Human Behaviour 1
   - OCCP 5111 (15545) Tests & Measures of Human Behaviour 2
   - OCCP 5112 (15546) Tests & Measures of Human Behaviour 3
   - OCCP 5113 (15547) Tests & Measures of Human Behaviour 4
   *Prerequisite required for any of the above Topics
   - OCCP 5051 (15488X) Environmental Measurement (6 cp)

2. Topics in Service Delivery
   - OCCP 5114 (15548) Occupational Therapy in Service Delivery Systems (3 cp)*
   - OCCP 5115 (15549) Implementation of OT in Service Delivery Systems 1 (3 cp)
   - OCCP 5116 (15550) Implementation of OT in Service Delivery Systems 2 (3 cp)
   - OCCP 5117 (15551) Implementation of OT in Service Delivery Systems 3 (3 cp)
   *Prerequisite required for any of the above four topics.
Master of Occupational Therapy

The Master of Occupational Therapy is an entry level or professional master’s degree offered to applicants who have completed a relevant undergraduate degree. The course is designed to prepare graduates to work as occupational therapists with specific emphasis on the theoretical underpinnings of occupational therapy practice, management theory and practice, knowledge of the health system and health professional roles, and some evaluation/research skill development.

**Admission requirements**

To qualify for admission applicants shall:

i) Possess a relevant undergraduate degree (except a degree in occupational therapy) from an institution recognised by the University of Sydney. Relevance implies that at least 40 percent of the content of the applicant's undergraduate degree shall be relevant to the field of occupational therapy; and

ii) Have achieved at least a credit grade average in their undergraduate degree. For applicants whose undergraduate degree has less than 40 percent relevant content, entry may be possible through successful completion of undergraduate units in areas of relevance.

**Course outline**

The Course Outline for the Master of Occupational Therapy is presented in Table 8.3.

---

**Table 8.3: Master of Occupational Therapy**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td></td>
<td>1534</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OCCP 5074</td>
<td>Full-time, 4 semesters, 96 credit points</td>
<td>(15512)</td>
<td>Problem Identification 1</td>
<td>4</td>
<td>-</td>
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<tr>
<td>OCCP 5075</td>
<td></td>
<td>(15513)</td>
<td>Problem Identification 2</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>OCCP 5076</td>
<td></td>
<td>(15514)</td>
<td>Activity Analysis and Adaption 1</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>OCCP 5077</td>
<td></td>
<td>(15515)</td>
<td>Activity Analysis and Adaption 2</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>OCCP 5078</td>
<td></td>
<td>(15516)</td>
<td>Occupational Therapy Intervention 1</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>OCCP 5079</td>
<td></td>
<td>(15517)</td>
<td>Occupational Therapy Intervention 2</td>
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<td>4</td>
</tr>
<tr>
<td>OCCP 5080</td>
<td></td>
<td>(15518)</td>
<td>Evaluation and Research 1</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>OCCP 5081</td>
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<td>(15519)</td>
<td>Evaluation and Research 2</td>
<td>-</td>
<td>3</td>
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<tr>
<td>OCCP 5082</td>
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<td>(15520)</td>
<td>Professional Management 1</td>
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<tr>
<td>OCCP 5083</td>
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<td>(15521)</td>
<td>Professional Management 2</td>
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<tr>
<td>OCCP 5084</td>
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<td>(15522)</td>
<td>Professional Presentation 1</td>
<td>3</td>
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<tr>
<td>OCCP 5085</td>
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<td>(15523)</td>
<td>Professional Presentation 2</td>
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<td></td>
<td></td>
<td>Elective 2*</td>
<td>-</td>
<td>4</td>
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<td><strong>Stage total (48 credit points for Year 1)</strong></td>
<td>24</td>
<td>24</td>
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<tr>
<td>Year 2</td>
<td></td>
<td>1534</td>
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<tr>
<td>OCCP 5086</td>
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<td>(15524)</td>
<td>Problem Identification in Practice 1</td>
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<tr>
<td>OCCP 5087</td>
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<td>(15525)</td>
<td>Problem Identification in Practice 2</td>
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<tr>
<td>OCCP 5088</td>
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<td>Activity Analysis and Adaption in the Field 1</td>
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<tr>
<td>OCCP 5089</td>
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<td>(15527)</td>
<td>Activity Analysis and Adaption in the Field 2</td>
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<tr>
<td>OCCP 5090</td>
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<td>(15528)</td>
<td>Occupational Therapy Intervention in Practice 1</td>
<td>4</td>
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<tr>
<td>OCCP 5091</td>
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<td>(15529)</td>
<td>Occupational Therapy Intervention in Practice 2</td>
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<td>4</td>
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<tr>
<td>OCCP 5092</td>
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<td>(15530)</td>
<td>Evaluation and Research in the Field 1</td>
<td>4</td>
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<tr>
<td>OCCP 5093</td>
<td></td>
<td>(15531)</td>
<td>Evaluation and Research in the Field 2</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>OCCP 5094</td>
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<td>(15532)</td>
<td>Professional Management in Practice 1</td>
<td>3</td>
<td>-</td>
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<tr>
<td>OCCP 5095</td>
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<td>(15533)</td>
<td>Professional Management in Practice 2</td>
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<td>3</td>
</tr>
<tr>
<td>OCCP 5096</td>
<td></td>
<td>(15534)</td>
<td>Professional Presentation in Practice 1</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>OCCP 5097</td>
<td></td>
<td>(15535)</td>
<td>Professional Presentation in Practice 2</td>
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<td></td>
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<td>Elective 3*</td>
<td>4</td>
<td>-</td>
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<td></td>
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<td>Elective 4*</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Stage total (48 credit points for Year 2)</strong></td>
<td>24</td>
<td>24</td>
</tr>
</tbody>
</table>

*Notes to Table 8.3*

Electives taken may vary from 2 to 6 credit points each. These include the Elective Topic OCCP 5098 (15536). The total for electives taken across both years is 16 credit points.
Master of Applied Science (Occupational Therapy) by Research

The Master of Applied Science (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 an award of Master of Occupational Therapy from The University of Sydney; or
5. Possess such qualifications as are deemed equivalent to (1), (2) or (3); or
6. 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
7. Have the equivalent of a minimum of one year full-time professional experience since graduation as an occupational therapist.

Occupational therapists without these qualifications may be admitted to candidature for the MAppSc(OT) by Research degree by first enrolling in the MHlthSc(OT) by Coursework degree. Following completion of the equivalent of one semester of part-time enrolment, students may apply to transfer to candidature for the MAppSc(OT) by Research degree.

**Course outline**

The Course Outline for the Master of Applied Science (Occupational Therapy) by Research is presented in Table 8.4.

**Table 8.4: Master of Applied Science (Occupational Therapy) by Research**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1512</td>
<td>Special Program (for Masters Qualifying Students)</td>
<td>OCCP 6004 (15433A) Research Thesis</td>
</tr>
<tr>
<td>1518</td>
<td>Full-time, minimum 2 years</td>
<td>OCCP 6005 (15433B) Research Thesis</td>
</tr>
<tr>
<td>1511</td>
<td>Part-time, minimum 3 years</td>
<td>-</td>
</tr>
<tr>
<td>1536</td>
<td>Off-campus, minimum 3 years</td>
<td>-</td>
</tr>
</tbody>
</table>

**Notes to Table 8.4**

Enabling units of study are normally required of all students enrolled in OCCP 6004 (15433A) Research Thesis A /OCCP 6005 (15433B) Research Thesis B. These enabling units provide the basis for students to undertake advanced study in specific areas of occupational therapy, and are negotiated with the candidate’s supervisor.
Units of study

BACH 5070 Family and Caring in the Community
Old code 2552N. Dr Gwynneth Llewellyn, (02) 9351 9373 and Dr Rosemary Cant, (02) 9351 9560. Offered: July. Classes: Block Mode.
This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are constructive to the provision of reliable and effective family community care? The nature of community and aspects of Australian community studies relevant to issues of care are considered. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health area.

OCCP5021 Inquiry Project
The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision.

OCCP 5033 Managing Occupational Therapy Services
Managing Occupational Therapy Services (6 credits) This unit provides students with opportunity to analyze theories of organizational power distribution and decision-making, and to review current managerial theories and techniques which can be applied to the planning, organizing, staffing, leading and assuring quality of occupational therapy services. There will be mini-lectures given by the lecturer at the beginning and conclusion of this unit. Students are required to conduct seminars on chosen topics, and to lead discussion afterwards to relate theory to relevant managerial practice.

OCCP 5043 Upper Limb Orthotic Systems
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 client cases, videotape analysis of communication sessions and audits of environmental modification reports.

OCCP 5051 Environmental Measurement
Old code 15488X. 6 credit points. Offered: February, July.
This unit of study examines formal and informal tools that have been developed to evaluate the impact of the built environment for persons with disabilities. These tools include checklists and post occupancy evaluation protocols. In addition students will develop skill in correct use and practice with retractable measures, builders levels, stud finders, light meters, and load measures. This will be achieved through practice utilising tools during tutorial sessions as well as practice utilising tools to evaluate buildings within their community. Students will examine the theoretical base, underlying assumptions, strengths, limitations and suitability for use in assessing the built environment. Learning experiences include seminars, tutorials, and videotaped analysis of students using tools.

OCCP 5053 Foundations for Modifications in Public and Private Buildings
Old code 15490.6 credit points. Offered: February, July.
This unit of study examines the expertise that can be acquired via application and interpretation of regulatory standards. Material to be covered will include general principles for design of buildings to enhance access and mobility. Design standards will be examined in relation to their history, assumptions, applicability and research base. Material from America and England will be compared to the Australians Standards 1428 parts 1,2, 3 and 4. Students will critically evaluate the appropriate application of standards in eliminating access barriers. Learning experiences include seminars, and will include problem solving around client cases.

OCCP 5054 Communication with builders, architects and tradesperson
Old code 15491.6 credit points. Offered: February, July.
This unit of study focuses on the importance of communication 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 to critically select and operate CAD software to produce appropriate plan drawings and front and side elevations. Learning experiences include tutorials, case presentations and problem solving tutorials using CAD software.

OCCP 5055 Drafting using CAD packages
Old code 15492.6 credit points. Offered: February, July.
This unit of study focuses on occupational therapy skills in representing changes to the built environment using drawing techniques. Students will examine various computer aided drafting (CAD) packages which can be used to simplify and facilitate representation of problems and potential solutions in building design. Students will learn to critically select and operate CAD software to produce appropriate plan drawings and front and side elevations. Learning experiences include tutorials, case presentations and problem solving tutorials using CAD software.

OCCP 5064 Single System Research Design and Evaluation Methods
The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opportunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recording procedures associated with single system designs; basic and advanced designs for single systems evaluation and research; and visual and statistical analysis of single system data.

OCCP 5068 Program Evaluation
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
Students will learn to identify problems with a range of clients between what clients would like to do and what they can do. They will learn to determine the extent of the mismatch in performing the daily activities which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

Textbooks
Not prescribed for unit of study

OCCP 5078 Occupational Therapy Intervention 1
Old code 15516.4 credit points. Mr Hal Davey. Offered: February. Classes: 3 hours/week on campus. Assessment: assignments.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

Practical: A three week fieldwork placement contributes to all units of study in semester 1.

Textbooks
Not prescribed for unit of study

OCCP 5079 Occupational Therapy Intervention 2
Old code 15517.4 credit points. Mr Hav Davey. Offered: July.

Classes: 3 hours/week on campus. Assessment: assignments.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

Textbooks
Not prescribed for unit of study

Faculty of Health Sciences Postgraduate Study 2001
OCCP 5080 Evaluation and Research 1
Old code 15518.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 3 hours/week on campus.
Assessment: assignments.
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.
Practical: A three week fieldwork placement contributes to all units of study in semester 1.
Textbooks
Not prescribed for unit of study

OCCP 5081 Evaluation and Research 2
Old code 15519.3 credit points. Mr Hal Davey, (02) 9351 9395.
Assessment: assignments.
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.
Practical: A three week fieldwork placement contributes to all units of study in semester 1.
Textbooks
Not prescribed for unit of study

OCCP 5082 Professional Management 1
Old code 15520.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 3 hours/week on campus.
Assessment: assignments.
Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.
Practical: A three week fieldwork placement contributes to all units of study in semester 1.
Textbooks
Not prescribed for unit of study

OCCP 5083 Professional Management 2
Old code 15521.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: July. Classes: 3 hours/week on campus.
Assessment: assignments.
Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.
Practical: A three week fieldwork placement contributes to all units of study in semester 1.
Textbooks
Not prescribed for unit of study

OCCP 5084 Professional Presentation 1
Old code 15522.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 3 hours/week on campus.
Assessment: assignments.
Students will explore many aspects of presenting both themselves and their ideas as members of the occupational therapy and broader professional community. Areas covered will include appropriate documentation of client outcomes, verbal and written presentation skills appropriate for presenting their ideas and work to their colleagues, clients, other health professionals and students. Emphasis will be placed on the ability to critically articulate the theoretical and practice rationale that underpins occupational therapy practice.
Practical: A three week fieldwork placement contributes to all units of study in semester 1.
Faculty of Health Sciences Postgraduate Study 2001

assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

Practical: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2.

Textbooks

Not prescribed for unit of study

OCCP 5090 Occupational Therapy Intervention in Practice 1
Old code 15529.4 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 3 hours/week for 6 weeks on campus.
Assessment: skills viva examination, assignments, performance in the field.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

Practical: Performance in the field (6 weeks) contributes to all units of study in semester 1.

Textbooks

Not prescribed for unit of study

OCCP 5091 Occupational Therapy Intervention in Practice 2
Old code 15529.4 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: July. Classes: 1 hour/week on campus.
Assessment: assignments, performance in the field, final examinations.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

Practical: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2.

Textbooks

Not prescribed for unit of study

OCCP 5092 Evaluation Research in the Field 1
Old code 15530.4 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 2 hours/week on campus.
Assessment: assignment, performance in the field.

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.

Practical: Performance in the field (6 weeks) contributes to all units of study in semester 1.

Textbooks

Not prescribed for unit of study

OCCP 5093 Evaluation Research in the Field 2
Old code 15531.4 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: July. Classes: 1 hour/week on campus.
Assessment: assignment, performance in the field.

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.

Practical: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2.

Textbooks

Not prescribed for unit of study

OCCP 5094 Professional Management in Practice 1
Old code 15532.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 2 hours/week for 6 weeks on campus.
Assessment: assignments, performance in the field.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

Practical: Performance in the field (6 weeks) contributes to all units of study in semester 1.

Textbooks

Not prescribed for unit of study

OCCP 5095 Professional Management in Practice 2
Old code 15533.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: July. Classes: 1 hour/week on campus.
Assessment: assignment, performance in the field.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

Practical: Performance in the field (6 weeks) contributes to all units of study in semester 2.

Textbooks

Not prescribed for unit of study

OCCP 5096 Professional Presentation in Practice 1
Old code 15534.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: February. Classes: 2 hours/week on campus.
Assessment: assignments, performance in the field.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

Practical: Performance in the field (6 weeks) contributes to all units of study in semester 1.

Textbooks

Not prescribed for unit of study

OCCP 5097 Professional Presentation in Practice 2
Old code 15535.3 credit points. Mr Hal Davey, (02) 9351 9395.
Offered: July. Classes: 1 hour/week on campus.
Assessment: assignments, performance in the field.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

Practical: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2.

Textbooks

Not prescribed for unit of study

OCCP 5098 Elective Topic
Old code 15536.4 credit points. Offered: February, July. Classes: Depends on individual learning contract.
Assessment: assignments.

For some students an elective topic will be developed specifically for them in consultation with an academic adviser. This will take the form of individual learning contract.

OCCP 5100 Research and Inquiry in Professional Practice
Old code 15449X. 6 credit points. Dr Maureen Fitzgerald. Offered: July. Classes: Off-campus mode and on campus 2 hours/week. Web supported group discussion Group work.
Assessment: assignments.

The purpose of this unit is for students to investigate issues in applied research and evaluation in professional practice. The unit addresses historical and contemporary perspectives on research; common problems for research, inquiry, and evaluation in clinical and other settings; and evaluation and research knowledge and procedures appropriate for professional practice.

Textbooks

OCCP 5104 Understanding Health Science Theory
Old code 15543.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Offered: February, July. Classes: On campus and external/distance mode.
Assessment: assignment.
The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in the health professions. Epistemological orientation to practice, conceptual and theoretical structures, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to the health sciences/professions. This unit is a prerequisite for OCCP 5105 (15539), OCCP 5106 (15540), OCCP 5107 (15541), OCCP 5108 (15542).

OCCP 5105 Theory Application 1
Old code 15593.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignment, examination.
The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5106 Theory Application 2
Old code 15540.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignment, examination.
The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5107 Theory Application 3
Old code 15541.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignment, examination.
The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5108 Theory Application 4
Old code 15542.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignment, examination.
The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas. Example of such theoretical frameworks include Sensory Integration, Environmental Theory, Role Theory, Occupational Performance Model (Australia), Community Development, and other theoretical information developed within related disciplines or related areas of study.

OCCP 5109 Assessment Principles
Old code 15543.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examinations.
This unit of study explores the general principles governing the use of informal and formal assessment methods used in the health sciences. Discussion topics will include norm-referenced versus criterion referenced instruments, instrument development, validity, reliability, instrument selection, use of instruments for clinical and research purposes. This unit is a prerequisite for OCCP 5110 (15544), OCCP 5111 (15545), OCCP 5112 (15546), OCCP 5113 (15547).

Textbooks
List of core references available
OCCP 5110 Tests and Measures of Human Behaviour 1
Old code 15544.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examinations.
The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

Textbooks
List of core references available
OCCP 5111 Tests and Measures of Human Behaviour 2
Old code 15545.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examinations.
The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

Textbooks
List of core references available
OCCP 5112 Tests and Measures of Human Behaviour 3
Old code 15546.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examinations.
The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

Textbooks
List of core references available
OCCP 5113 Tests and Measures of Human Behaviour 4
Old code 15547.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examinations.
The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

Textbooks
List of core references available
OCCP 5114 Occupational Therapy in Service Delivery Systems
Old code 15548.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examination.
This module of study will give students the opportunity to explore how the structure and function of various institutional and community service delivery systems impact on the nature of occupational therapy practice. Specifically, sociopolitical, physical and historical dimensions of service delivery systems that currently utilise occupational therapy will be examined and related to the types of occupational therapy services that have evolved, including direct intervention, consultation, transdisciplinary and multidisciplinary team intervention, advocacy and education. Although this module focuses on occupational therapy in various service delivery systems, students from other disciplines will find this topic relevant. This unit is a prerequisite for OCCP 5115 (15549), OCCP 5116 (15550), OCCP 5117 (15551), OCCP 5118 (15552).
Textbooks
List of core references available

OCCP 5115 Implementation of Occupational Therapy in Service Delivery Systems 1
Old code 15549.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examination.
This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.
Textbooks
List of core references available

OCCP 5116 Implementation of Occupational Therapy in Service Delivery Systems 2
Old code 15550.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examination.
This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.
Textbooks
List of core references available

OCCP 5117 Implementation of Occupational Therapy in Service Delivery Systems 3
Old code 15551.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examination.
This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.
Textbooks
List of core references available

OCCP 5118 Implementation of Occupational Therapy in Service Delivery Systems 4
Old code 15552.3 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignments and/or examination.
This module of study enables students to further explore the relationship between service delivery systems and implementation of occupational therapy. Students will identify one specific service delivery system, such as a hospital, nursing home, school, or community agency, and investigate the impact of aspects of the structure, function and philosophy of the service delivery system on specific occupational therapy programs within the system.
Textbooks
List of core references available

OCCP 5119 Community-Based Practice
Old code 15553.3 credit points. Offered: February, July.
This unit explores the theories that underpin community practice in relation to community development, empowerment, participation and assessment. Students will gain knowledge from which they can expand their involvement and expertise in community practice. This unit is a prerequisite for OCCP 5120 (15554) and OCCP 5121 (15555).

OCCP 5120 Community-based Practice in a Developed Country Context
Old code 15554.3 credit points. Offered: February, July.
Students can apply theory to practice within the context of their work setting or community within a developed country. Students may utilise their current work setting as their primary area of study.

OCCP 5121 Community-based Practice in a Developing Country Context
Old code 15555.3 credit points. Offered: February, July.
Students have the opportunity to apply theory to practice with specific emphasis on issues relevant to a community(ies) in a developing country. Students will gain an awareness and understanding of the culture and traditions of community as well as the primary issues identified by community members in a developing country.

OCCP 5122 Advanced Communication Techniques
Old code 15556.6 credit points. Ms Philips Chan, (02) 9351 9202.
This unit introduces students to a range of advanced communication techniques for the development of self, clients and significant others. Identification of own and others' learning styles, conflict resolution, negotiation, neurolinguistic, and summarising techniques will be addressed, with specific reference to their application in enhancing cognitive, intra- and inter-personal components of performance. Experiential learning, learner participation and groupwork are essential modes of learning in this unit.

OCCP 5123 Occupations in the Therapeutic Process
Old code 15557.6 credit points. Ms Ruth Beltran, (02) 9351 9295.
Assessment: assignment.
The purpose of this unit of study is to explore, understand, and apply a theory of practice called 'Grounded Theory of Techniques for Occupational Story Telling and Occupational Story Making' as developed by Clark, Ennevor, & Richardson (1996). These techniques will allow students to explore the process of realizing their conceptions of humans as occupational beings and to examine the role of occupations in the transformation of the self and developing peoples' occupational competence. A background on basic counselling skills is essential. Case studies and client narratives will be used.

OCCP 5124 Culture and Occupational Therapy
This unit will examine the influence of culture in the practice of occupational therapy. Using case studies and situational analysis, students will examine how cultural factors impact on the decisions and actions of individuals and groups. Cultural issues will be examined from various theoretical perspectives. Students
will have the opportunity to participate in exercises that will enhance their cultural competency. Cultural implications of assessment and treatment strategies used in occupational therapy will be explored.

**OCCP 5125 Principles of Instruction**
Old code 15559.3 credit points. Michelle Donnelly. Offered: by demand, Assumed knowledge: Undergraduate degree/diploma in Occupational Therapy. Classes: 2 days of seminars and workshops 9:00am to 4:30pm. Assessment: 3000 plan for instruction. This subject allows participants to design and implement instructional programs which address the fundamental functional learning needs of people with whom they work using advanced instructional technology. Participants will assess functional learning needs in order to develop and apply individually tailored instructional strategies relevant to functional performance contexts with complementary data based evaluation tools. Learning experiences will include analysis of the complexity of functional needs and instructional scenarios using videotaped applications of instructional technology. This unit is a prerequisite for the following four units OCCP 5126 (15560), OCCP 5127 (15561), OCCP 5128 (15562), and OCCP 5129 (15563).

**OCCP 5126 Applied Systematic Instruction**
Old code 15560.3 credit points. Ms Michelle Donnelly, (02) 9351 9208. Offered: by demand. Assumed knowledge: Undergraduate degree/diploma in Occupational Therapy. Classes: By negotiation. Assessment: 3000 word report. Participants will design, implement and evaluate specific learning programs that address the functional learning needs of clients in their chosen areas of practice.

**OCCP 5127 Enhancing Functional Reach**
Old code 15561.3 credit points. Ms Judy Ranka, (02) 9351 9207. Offered: February, July. Prerequisite: Undergraduate Occupational Therapy degree. Classes: On campus - evenings x3 hours/week. Assessment: assignment. This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose reach is compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for reach. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional methods that enable adults or children to perform the reach patterns required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

**OCCP 5128 Enhancing Hand Function**
Old code 15562.3 credit points. Offered: February, July. This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose grasp and release has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for grasp and releasing objects. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to perform grasping and releasing patterns that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

**OCCP 5129 Enhancing Trunk and Body Position for Function**
Old code 15563.3 credit points. Offered: February, July. This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose ability to assume and maintain upright body positions has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for functional body positioning. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to assume and maintain upright functional positions that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

**OCCP 5130 Occupational Performance and the Inclusive Community**
Old code 15564.3 credit points. Ms Michelle Donnelly, (02) 9351 9208. Offered: by demand. Assumed knowledge: Undergraduate degree/diploma in Occupational Therapy. Classes: 2 days of seminars and workshops 9:00am to 4:30pm. Assessment: 3000 word written report. In this unit participants will identify and analyse the philosophies, principles and practices which underpin functional performance in the inclusive community. This analysis will include an examination of the fundamental functional needs of people requiring support. Existing approaches to the provision of support services will be critically analysed in order to identify the extent to which identified fundamental needs are met. These topics will include the needs of people who are judged by others to have so-called 'high support needs' for a variety of reasons. Learning experiences will include experiential learning exercises, analysis of videotaped and audio-taped records of people receiving support. This unit is a prerequisite for OCCP 5131 (15565).

**OCCP 5131 Supporting Inclusion**
Old code 15565.3 credit points. Ms Michelle Donnelly, (02) 9351 9208. Offered: by demand. Prerequisite: Occupational performance in the inclusive community. Assumed knowledge: Undergraduate degree/diploma in Occupational Therapy. Classes: By negotiation. Assessment: 3000 word report. In this subject participants will identify and understand the functional support needs of people in order to design, develop and evaluate individually tailored supports in each of daily living. Individualised support mechanisms relevant for promoting interdependent participation at school, at home, at work and other aspects of community life will be critically analysed. Analysis will include the impact of supports on promoting associational life, what is signified by the concept of community, safeguards and protective schemas and conflicting and parallel paradigms associated with the inclusive community. Topics will include but not be limited to a range of inclusive models of service delivery, transdisciplinary teams, family focused intervention, supported living and supported work. Learning experiences will include seminars, experiential learning exercises, evaluations of videotaped material.

**OCCP 5132 Inquiry Project**
Old code 15556.12 credit points. Ms Ruth Beltran, (02) 9351 9295. Offered: February, July. Classes: on-campus/off-campus, flexible mode. Assessment: 12,000 words written work. The purpose of this unit is to synthesise postgraduate learning into a substantive project Students conduct and write up their project under supervision.

**OCCP 5133 Inquiry Topics 1**
Old code 15567.6 credit points. Ms Ruth Beltran, (02) 9351 9295. Offered: February, July. Classes: on-campus/off-campus, flexible mode. Assessment: assignments. These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**OCCP 5134 Inquiry Topics 2**
These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues. Practical: Depends on nature of topic.

Textbooks
List of core references available

OCCP5135 Inquiry Topics 3

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues. Practical: Depends on nature of topic.

Textbooks
List of core references available

OCCP5136 Dissertation

The honours dissertation is an extra 12 credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Occupational Therapy) course. It is recommended that students who are qualified to do Honours and decided to do so should start developing their Literature Review within an Inquiry topic/Inquiry Project unit of study during the semester prior to the Honours semester which then leads on to the development of an Honours dissertation in the Honours year. It is stipulated in the School's master coursework document that Honours Dissertation is "an opportunity to understand an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem".

OCCP 5137 Selected Topics 3

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP 5138 Specialised Seating
Old code 15573.3 credit points. Ms Judy Ranka, (02) 9351 9207. Offered: February, July. Classes: On-campus mode with independent study.

This unit of study will cover the knowledge and skills required by occupational therapists to prescribe, evaluate and modify equipment that promotes performance of occupational tasks in various sitting positions. Students will integrate principles of ergonomics, biomechanics and design with principles of occupational performance to determine appropriate wheelchair and other seating options for children and adults whose physical function is compromised by neurological and/or musculoskeletal impairments. Learning experience will include lecture, practical application of concepts, exposure to a range of seating options and problem solving experiences.

OCCP 5139 Gerontology Occupational Therapy
Old code 15572.6 credit points. Ms Lindy Clemson, (02) 9351 9372. Offered: July.

This elective will provide an opportunity to explore some issues within the area of aging and gerontology and occupational therapy. Students will have the opportunity of developing a topic of interest within these broader areas. This elective will involve group presentations based around readings and an independent learning component. Students can research in small groups or individually. The purpose is to help students identify and explore issues in gerontology that impact on the health and well being of older people and how these issues can be applied in occupational therapy practice.

OCCP 5140 Politics and Power in the Workplace
Old code 15574.3 credit points. Dr Susan Griffin, (02) 9351 9377. Offered: July. Classes: on-campus/off-campus. Assessment: essay, reflective journal and report of a workplace based project.

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and snared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of workplace settings will be considered. Students will undertake an independent guided reading program for the 3 unit of study.

Textbooks

OCCP 5141 Politics and Power in the Workplace
Old code 15575.6 credit points. Dr Susan Griffin, (02) 9351 9377. Offered: July. Assessment: essay, reflective journal plus report of a workplace based project.

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and snared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of workplace settings will be considered. Students will undertake an independent guided reading program for the 3 unit of study. Those enrolling in the 6 unit of study will do the reading program in greater depth in addition to a workplace project negotiated with the lecturer.

Textbooks

OCCP 6004 Research Thesis
Old code 15439A.

In this unit of study, students will investigate a specialised area of interest in occupational therapy under approved supervision. This unit involves regular supervision sessions and students are normally required to undertake a program of advanced study in the following topic areas as enabling components of the research thesis.

a) Topic in Theory
b) Topic in Research
c) Research electives. Elective units must include at least one of the research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.

OCCP 6005 Research Thesis
Old code 15433B.

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 in Professional Practice (15449).
c) Research electives. Elective units must include at least one of the research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.
OCCP 6008  Research Design and Methods for Therapists
Old code 15502.6 credit points. Dr. Maureen Fitzgerald. Offered: February, July. Classes: on-campus, Group discussion, Group work. Assessment: assignments.

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.
CHAPTER 9
School of Physiotherapy

Master of Health Science
(Cardio-pulmonary Physiotherapy)
Course Coordinator: Jenny Alison (02) 9351 9371

Course aims
The principal aims of the course are to:
• Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of cardio-pulmonary physiotherapy; and
• Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:
a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in cardio-pulmonary physiotherapy and demonstrate continuing education within the field of cardio-pulmonary physiotherapy.

Credit Transfer and Articulation Options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney who have completed a Graduate Diploma of Health Science (Physiotherapy-Cardio-pulmonary stream) from 1995 onwards will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Cardio-pulmonary Physiotherapy) course are presented in Table 9.1 and 9.1.1.

Table 9.1: Master of Health Science (Cardio-pulmonary Physiotherapy) Pass Course

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<th>Mode of offer</th>
<th>Sem 1</th>
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<td>Full-time; 1 year</td>
<td>24</td>
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<tr>
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<td>Part-time; 2 years</td>
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<td>Credit points: 48</td>
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Unit code (old code) | Unit name | Mode of offer | Sem 1 | Sem 2 |
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<tbody>
<tr>
<td>PHTY 5100 (16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>Full-time</td>
<td>6</td>
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</tr>
<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>Full-time</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5119 (16550)</td>
<td>Topics in Cardiopulmonary Physiotherapy</td>
<td>Full-time</td>
<td>6</td>
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</tr>
<tr>
<td>PHTY 5120 (16551)</td>
<td>Clinical Cardiopulmonary Physiotherapy A</td>
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<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>Full-time</td>
<td>6</td>
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<tr>
<td>PHTY 5121 (16552)</td>
<td>Cardiopulmonary Physiotherapy A</td>
<td>Full-time</td>
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<tr>
<td>PHTY 5122 (16553)</td>
<td>Cardiopulmonary Physiotherapy B</td>
<td>Full-time</td>
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<tr>
<td>PHTY 5123 (16554)</td>
<td>Clinical Cardiopulmonary Physiotherapy B</td>
<td>Full-time</td>
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Full-time mode

Part-time mode

Year 1
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<th>Course code</th>
<th>Mode of offer</th>
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<th>Sem 2</th>
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<td></td>
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<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5105 (16536)</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5121 (16552)</td>
<td>Cardiopulmonary Physiotherapy A</td>
<td>6</td>
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Year 2
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<th>Sem 2</th>
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<td>Topics in Cardiopulmonary Physiotherapy</td>
<td>6</td>
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<tr>
<td>PHTY 5120 (16551)</td>
<td>Clinical Cardiopulmonary Physiotherapy A</td>
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<tr>
<td>PHTY 5122 (16553)</td>
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<td>6</td>
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<tr>
<td>PHTY 5123 (16554)</td>
<td>Clinical Cardiopulmonary Physiotherapy B</td>
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<td>Stage total (24 credit points for Year 2)</td>
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Chapter 9 - School of Physiotherapy

Master of Health Science (Manipulative Physiotherapy)
Course Coordinator: Dale Larsen (02) 9351 9176

Course aims
The principal aims of the course are to:
• Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of manipulative physiotherapy; and
• Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association title of 'Manipulative Physiotherapist' and towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of manual therapy.

Credit Transfer and Articulation Options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney who have completed a Graduate Diploma of Health Science (Physiotherapy-Manipulative stream) from 1995 onwards will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Manipulative Physiotherapy) course are presented in Table 9.2 and 9.2.1.

### Table 9.1.1: Master of Health Science (Cardiopulmonary Physiotherapy) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
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<td>1664</td>
<td>Part-time maximum 2.5 years</td>
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<table>
<thead>
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<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTY 5109 (16540)</td>
<td>Dissertation</td>
<td>12</td>
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</table>

### Table 9.2: Master of Health Science (Manipulative Physiotherapy) Pass Course

<table>
<thead>
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<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
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<td>Full-time: 1 year</td>
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<tr>
<td>1658</td>
<td>Part-time: 2 years</td>
<td>48</td>
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<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTY 5100 (16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5124 (16555)</td>
<td>Musculoskeletal Disorders A</td>
<td>6</td>
<td></td>
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<tr>
<td>PHTY 5125 (16556)</td>
<td>Clinical Manipulative Physiotherapy A</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5105 (16536)</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5126 (16557)</td>
<td>Musculoskeletal Disorders B</td>
<td>6</td>
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<tr>
<td>PHTY 5127 (16558)</td>
<td>Advanced Complex Case Studies in Musculoskeletal Physiotherapy</td>
<td>6</td>
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<tr>
<td>PHTY 5128 (16559)</td>
<td>Clinical Manipulative Physiotherapy B</td>
<td>6</td>
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</table>

Stage total (48 credit points for Year 1) | 24 | 24 |
Faculty of Health Sciences Postgraduate Study 2001

Master of Health Science (Neurological Physiotherapy)
Course Coordinator: Sharon Kilbreath (02) 9351 9272

Course aims
The principal aims of the course are to:
• Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of neurological physiotherapy; and
• Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or

c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or

d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in neurological physiotherapy and demonstrate continuing education within the field of neurological physiotherapy.

Credit Transfer and Articulation options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney who have completed a Graduate Diploma of Health Science (Physiotherapy-Neurology stream) from 1995 onwards will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Neurological Physiotherapy) course are presented in Table 9.3 and 9.3.1.
Table 9.3: Master of Health Science (Neurological Physiotherapy) Pass Course

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<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
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<td>1670</td>
<td>Part-time: 2 years</td>
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<table>
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<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
<tr>
<td>PHTY 5100 (16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5114 (16545)</td>
<td>Physiotherapy Management of Impairment, Disability and Handicap</td>
<td>6</td>
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<tr>
<td>PHTY 5115 (16546)</td>
<td>Clinical Neurological Physiotherapy A</td>
<td>6</td>
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</tr>
<tr>
<td>PHTY 5105 (16536)</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
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</tr>
<tr>
<td>PHTY 5116 (16547)</td>
<td>Optimising Motor Performance</td>
<td>6</td>
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<tr>
<td>PHTY 5117 (16548)</td>
<td>Topics in Neurological Physiotherapy</td>
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<tr>
<td>PHTY 5118 (16549)</td>
<td>Clinical Neurological Physiotherapy B</td>
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Stage total (48 credit points for Year 1) 24 24

Part-time mode

Year 1
PHTY 5100 (16532) Evaluation and Research in Physiotherapy Practice 6
PHTY 5101 (16533) Advanced Functional Anatomy and Biomechanics 6
PHTY 5151 (16536) Physiological and Cognitive Bases of Clinical Practice 6
PHTY 5116 (16537) Optimising Motor Performance 6

Stage total (24 credit points for Year 1) 12 12

Year 2
PHTY 5114 (16545) Physiotherapy Management of Impairment, Disability and Handicap 6
PHTY 5115 (16546) Clinical Neurological Physiotherapy A 6
PHTY 5117 (16547) Topics in Neurological Physiotherapy 6
PHTY 5118 (16549) Clinical Neurological Physiotherapy B 6

Stage total (24 credit points for Year 2) 12 12

Table 9.3.1: Master of Health Science (Neurological Physiotherapy) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
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<td>1672</td>
<td>Part-time maximum 2.5 years</td>
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<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<tbody>
<tr>
<td>PHTY 5109 (16540)</td>
<td>Dissertation</td>
<td>12</td>
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Part-time mode

Years 1-2
As per Pass course

Year 3 Honours year
PHTY 5109 (16540) Dissertation 12 or 12
Master of Health Science (Paediatric Physiotherapy)
Course Coordinator: Jane Butler (02) 9351 9265

Course aims
The principal aims of the course are to:
• Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of paediatric physiotherapy; and
• Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:
a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in paediatric physiotherapy and demonstrate continuing education within the field of paediatric therapy.

Credit Transfer and Articulation options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney who have completed a Graduate Diploma of Health Science (Paediatric stream) degree from 1995 onwards, will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Paediatric Physiotherapy) course are presented in Table 9.4 and 9.4.1.

Table 9.4 Master of Health Science (Paediatric Physiotherapy) Pass Course

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<td>1666</td>
<td>Part-time; 2 years</td>
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<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
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<td></td>
<td></td>
</tr>
<tr>
<td>PHTY 5100 (16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5129 (16560)</td>
<td>Topics in Paediatric Physiotherapy A</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5130 (16561)</td>
<td>Clinical Paediatric Physiotherapy A</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5132 (16536)</td>
<td>Physiological and Cognitive Bases of Clinical Management</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5131 (16562)</td>
<td>Conceptual Framework Underlying Paediatric Physiotherapy</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5132 (16563)</td>
<td>Topics in Paediatric Physiotherapy B</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHTY 5133 (16564)</td>
<td>Clinical Paediatric Physiotherapy B</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stage total (48 credit points for Year 1)</td>
<td>24</td>
<td>24</td>
</tr>
</tbody>
</table>

| Part-time mode       |           |       |       |
| Year 1               |           |       |       |
| PHTY 5100 (16532)    | Evaluation and Research in Physiotherapy Practice | 6     |       |
| PHTY 5101 (16533)    | Advanced Functional Anatomy and Biomechanics | 6     |       |
| PHTY 5105 (16536)    | Physiological and Cognitive Bases of Clinical Management | 6     |       |
| PHTY 5131 (16562)    | Conceptual Framework Underlying Paediatric Physiotherapy | 6     |       |
|                      | Stage total (24 credit points for Year 1) | 12    | 12    |

| Year 2               |           |       |       |
| PHTY 5129 (16560)    | Topics in Paediatric Physiotherapy A | 6     |       |
| PHTY 5130 (16561)    | Clinical Paediatric Physiotherapy A | 6     |       |
| PHTY 5132 (16563)    | Topics in Paediatric Physiotherapy B | 6     |       |
| PHTY 5133 (16564)    | Clinical Paediatric Physiotherapy B | 6     |       |
|                      | Stage total (24 credit points for Year 2) | 12    | 12    |
Chapter 9 - School of Physiotherapy

Table 9.4.1: Master of Health Science (Paediatric Physiotherapy) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Year 1</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1667</td>
<td>Full-time 1 year 3 months</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1668</td>
<td>Part-time maximum 2.5 years</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Credit points: 60

Unit code (old code)  Unit name

Full-time mode

Year 1
As per Pass course

Year 2 Honours year

PHTY 5109 (16540)  Dissertation  12

Part-time mode

Years 1 and 2
As per Pass course

Year 3 Honours year

PHTY 5109 (16540)  Dissertation  12  or  12

Master of Health Science (Physiotherapy)
Course Coordinator: Martin Mackey (02) 9351 9374

Course aims
The principal aims of the course are to:
- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in a range of professional areas; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or

c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or

d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in physiotherapy and demonstrate continuing education in physiotherapy.

Credit Transfer and Articulation Options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney who have completed a Graduate Diploma of Health Science (Physiotherapy) degree from 1995 onwards will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Physiotherapy) course are presented in Tables 9.5 and 9.5.1.
**Table 9.5.1: Master of Health Science (Physiotherapy) Honours**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1679</td>
<td>Full-time: 1 year</td>
<td>48</td>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
</tr>
<tr>
<td>1678</td>
<td>Part-time: 2 years</td>
<td></td>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16532</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16536</td>
<td>PHTY 5105</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

**Full-time mode**

**Part-time mode**

**Year 1**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
</tr>
<tr>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
</tr>
<tr>
<td>16542</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
<td>6</td>
</tr>
<tr>
<td>16536</td>
<td>PHTY 5105</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
</tr>
<tr>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

**Year 2**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
</tr>
<tr>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
</tr>
<tr>
<td>16542</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
<td>6</td>
</tr>
<tr>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12</td>
</tr>
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</table>

**Table 9.5: Master of Health Science (Physiotherapy) Pass Course**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points:</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>1677</td>
<td>Full-time: 1 year</td>
<td>48</td>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
</tr>
<tr>
<td>1678</td>
<td>Part-time: 2 years</td>
<td></td>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
</tr>
<tr>
<td>1679</td>
<td>Full-time: 1 year 3 months</td>
<td></td>
<td>16532</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
</tr>
<tr>
<td>1680</td>
<td>Part-time maximum 2.5 years</td>
<td></td>
<td>16536</td>
<td>PHTY 5105</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Full-time mode**

**Part-time mode**

**Year 1**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
</tr>
<tr>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
</tr>
<tr>
<td>16542</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
</tr>
<tr>
<td>16536</td>
<td>PHTY 5105</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
</tr>
<tr>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
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</table>

**Year 2**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>16532</td>
<td>PHTY 5100</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
</tr>
<tr>
<td>16533</td>
<td>PHTY 5101</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
</tr>
<tr>
<td>16542</td>
<td>PHTY 5111</td>
<td>Clinical Physiotherapy A</td>
</tr>
<tr>
<td>16544</td>
<td>PHTY 5113</td>
<td>Clinical Physiotherapy B</td>
</tr>
<tr>
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</table>

**Electives**

**List A - Semester 1 (00E61A)**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>16541</td>
<td>PHTY 5110</td>
<td>Introduction to Ergonomics</td>
</tr>
<tr>
<td>16543</td>
<td>PHTY 5112</td>
<td>Orthopaedic Physiotherapy</td>
</tr>
</tbody>
</table>

**List B - Semester 2 (00E62D)**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>16538</td>
<td>PHTY 5127</td>
<td>Advanced Complex Case Studies in Musculoskeletal Physiotherapy</td>
</tr>
<tr>
<td>16565</td>
<td>PHTY 5134</td>
<td>Physiotherapy in Disorders of the Hand</td>
</tr>
<tr>
<td>16552</td>
<td>PHTY 5121</td>
<td>Cardiopulmonary Physiotherapy A</td>
</tr>
<tr>
<td>16562</td>
<td>PHTY 5131</td>
<td>Conceptual Framework underlying Paediatric Physiotherapy</td>
</tr>
<tr>
<td>16547</td>
<td>PHTY 5116</td>
<td>Optimising Motor Performance</td>
</tr>
<tr>
<td>16566</td>
<td>PHTY 5135</td>
<td>Scientific Investigation in (master conversion students only)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>12 or 12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6 or 3(x2)</td>
</tr>
</tbody>
</table>
Chapter 9 - School of Physiotherapy

Master of Health Science (Sports Physiotherapy)

Course Coordinator: Kathryn Refshauge (02) 9351 9272

Course aims
The principal aims of the course are to:
• Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of sports physiotherapy, and
• Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association title of Sports Physiotherapist and towards the clinical specialisation process of the Australian College of Physiotherapists.

Admission requirements
To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

a) Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
b) Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
c) Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
d) Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of sports physiotherapy.

Credit Transfer and Articulation options
Credit transfer and articulation options follow the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook. In addition, those graduates of the University of Sydney, who have completed a Graduate Diploma of Health Science (Sports Physiotherapy) from 1995 onwards, will be given credit for up to 42 credit points for their award and will be permitted to articulate to the revised master's degree with the completion of a specified unit of study worth 6 credit points. This policy will remain in place until the year 2004.

Course outlines
This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Sports Physiotherapy) course are presented in Table 9.6 and 9.6.1.

### Table 9.6: Master of Health Science (Sports Physiotherapy) Pass Course

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1673</td>
<td>Full-time: 1 year</td>
<td>(16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>1674</td>
<td>Part-time: 2 years</td>
<td>(16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16534)</td>
<td>Musculoskeletal Sports Injuries A</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16535)</td>
<td>Clinical Sports Physiotherapy A</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16536)</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16537)</td>
<td>Musculoskeletal Sports Injuries B</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16538)</td>
<td>Complex Case Studies in Musculoskeletal Physiotherapy</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(16539)</td>
<td>Clinical Sports Physiotherapy B</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Stage total (48 credit points for Year 1)</td>
<td>24</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTY 5100 (16532)</td>
<td>Evaluation and Research in Physiotherapy Practice</td>
</tr>
<tr>
<td>PHTY 5101 (16533)</td>
<td>Advanced Functional Anatomy and Biomechanics</td>
</tr>
<tr>
<td>PHTY 5105 (16536)</td>
<td>Physiological and Cognitive Bases of Clinical Practice</td>
</tr>
<tr>
<td>PHTY 5106 (16537)</td>
<td>Musculoskeletal Sports Injuries B</td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 1)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTY 5103 (16534)</td>
<td>Musculoskeletal Sports Injuries A</td>
</tr>
<tr>
<td>PHTY 5104 (16535)</td>
<td>Clinical Sports Physiotherapy A</td>
</tr>
<tr>
<td>PHTY 5107 (16538)</td>
<td>Advanced Complex Case Studies in Musculoskeletal Physiotherapy</td>
</tr>
<tr>
<td>PHTY 5108 (16539)</td>
<td>Clinical Sports Physiotherapy B</td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 2)</td>
</tr>
</tbody>
</table>
The Master of Applied Science (Physiotherapy) course is a research degree. The course is designed to provide an opportunity for research and scholarship in specific areas of physiotherapy.

Course Coordinator: Associate Professor Nick O’Dwyer (02) 9351 9385

Admission requirements
The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

i) who has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided 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.

*Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Time limits
The standard course comprises of both enabling preparatory work to support the research and research thesis. Students who enter the course with adequate research preparation may be exempt from completing some or all of the enabling components in preparation for their Master’s Research Thesis - eg, research elective units and/or thesis workshops. Usually degree program at honours level I or n. The minimum length of the course for such students is one year full-time or two years part-time.

Course outline
The course outline for the Master of Applied Science (Physiotherapy) course is presented in Table 9.7.

Table 9.6.1: Master of Health Science (Sports Physiotherapy) Honours

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Credit points: 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>1679</td>
<td>Full-time 1 year 3 months</td>
<td></td>
</tr>
<tr>
<td>1680</td>
<td>Part-time maximum 2.5 years</td>
<td></td>
</tr>
</tbody>
</table>

Admission requirements
The Faculty may, on the recommendation of the Head School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

i) who has completed courses appropriate to the area of study* in which the applicant seeks to proceed, provided 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.

*Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or the University of Sydney.

Time limits
The standard course comprises of both enabling preparatory work to support the research and research thesis. Students who enter the course with adequate research preparation may be exempt from completing some or all of the enabling components in preparation for their Master’s Research Thesis - eg, research elective units and/or thesis workshops. Usually degree program at honours level I or n. The minimum length of the course for such students is one year full-time or two years part-time.

Course outline
The course outline for the Master of Applied Science (Physiotherapy) course is presented in Table 9.7.

Table 9.7 Master of Applied Science (Physiotherapy) by Research

<table>
<thead>
<tr>
<th>Unit code (old code)</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1603</td>
<td>Part-time Special Program (for master's qualifying students)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1643</td>
<td>Full-time Special Program (for master's qualifying students)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1624</td>
<td>Full-time; minimum 2 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1625</td>
<td>Part-time; minimum 3 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full-time mode

Year 1 (and subsequent years)

PHTY 6014 (16503A) Research Thesis

PHTY 6015 (16503B) Research Thesis

Part-time mode

Year 1 (and subsequent years)

PHTY 6014 (16503A) Research Thesis

PHTY 6015 (16503B) Research Thesis

Note
Research Thesis - Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units (listed in chapter 13) and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis.
Units of study

PHTY 5100 Evaluation and Research in Physiotherapy Practice

The unit will provide the opportunity for students to learn the skills needed for the critical evaluation of literature pertinent to physiotherapy practice, the principles underlying evidence-based practice and epidemiology. This unit will also develop the students' skills in searching electronic databases as well as acquiring scientific writing skills by developing a grant submission of a research question. In addition, the use and validity of statistical tests will be covered.

PHTY 5101 Advanced Functional Anatomy and Biomechanics
Old code 16533.6 credit points. Ms Karen Ginn, (02) 9351 9352 and Mr Raymond Lee, (02) 9351 9262/Mr Michael Lee, (02) 9351 9279. Offered: February. Classes: on-campus 4 hours/week, late after and evening. Assessment: written examination.

This unit will consist of two modules. The first will involve an in-depth exploration of functional anatomy and will comprise one half of the unit. An understanding of the relation between structure and function of muscle will lead into the second module that focuses on biomechanics. Most of this module will focus on the kinetics, power and energy of human movement as well as the mechanical properties of different body tissues.

PHTY 5103 Musculoskeletal Sports Injuries A

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and the lower limbs. Specific emphasis is placed on sports therapy, particularly running and jumping injury management, but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY 5104 Clinical Sports Physiotherapy A
Old code 16535.6 credit points. Ms Leslie Nicholson, (02) 9351 9369. Offered: February. Prerequisite: Functional Anatomy & Biomechanics. Classes: on-campus 3-4 hours/week, and will require off campus commitment. Assessment: seminar presentations and written reports.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries.

PHTY 5105 Physiological and Cognitive Bases of Clinical Practice
Old code 16536.6 credit points. Dr Robert Herbert, (02) 9351 9380. Offered: July. Classes: on-campus 4 hours/week, late afternoon and evening classes. Assessment: written examination, case study and seminar presentations.

The majority of this unit will involve the study the pathophysiological adaptations of muscle and nerve to training and disuse from both the physical and behavioural perspectives. It will also cover aspects of the nutritional basis of activity, the pharmacological effects of various medications and the effects of altered sleep patterns on function.

PHTY 5106 Musculoskeletal Sports Injuries B
Old code 16537.6 credit points. Ms Elizabeth Henley, (02) 9351 9380. Offered: July. Prerequisite: Functional Anatomy & Biomechanics. Classes: on-campus 3-4 hours/week, during the day. Assessment: written report, seminar presentation and practical examinations.

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on sports therapy, particularly throwing and overhead injury management, but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice.

PHTY 5107 Complex Case Studies in Musculoskeletal Physiotherapy
Old code 16538.6 credit points. Dr Kathryn Refshauge, (02) 9351 9180. Offered: July. Prerequisite: Functional Anatomy & Biomechanics, Musculoskeletal Disorders A, Musculoskeletal Disorders B. Corequisite: Functional Anatomy & Biomechanics, Musculoskeletal Disorders A, Musculoskeletal Disorders B. Classes: on-campus 3-4 hours/week, during the day. Assessment: case study analyses, group participation and seminar presentations.

This unit will adopt a problem based learning approach to the assessment and management of complex case studies of the musculoskeletal systems.

PHTY 5108 Clinical Sports Physiotherapy 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 skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries.

PHTY 5109 Dissertation

The dissertation comprises a major written work that involves the preparation of a non-research dissertation on a specific area of interest, under supervision. This document is a substantial scholarly work (of approximately 5000-7000 words) that is an exposition of a range of knowledge in a specific area of physiotherapy (clinical) practice and is expected to include original argument substantiated by reference to acknowledged authorities. It does not involve data collection but may take the form of analysis of existing data, developing a clinical tool or developing and evaluating patient education materials. The nature and complexity of the topic is negotiated with a designated supervisor. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. A designated number of hours are set aside for workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study. The dissertation document will be assessed by 2 examiners and comprises 100% of the assessment in the unit.

PHTY 5110 Introduction to Ergonomics
Old code 16541.6 credit points. Mr Martin Mackey, (02) 9351 9374. Offered: February. Assumed knowledge: Undergraduate Ergonomics. Classes: on-campus 2 hours/week, late afternoon or early evening. Assessment: written report, seminar presentation, peer evaluation.

This unit aims to give the student an overview of the discipline of ergonomics and explores the inter-relationship and relevance
of a variety of ergonomic issues in the workplace through analysis and exploration of case study scenarios. Ergonomic concepts explored include a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and work system issues. A problem-based learning approach will be used for content delivery with students working individually and in small groups to acquire and analyse case information and related materials. The tutor will facilitate this learning process. The unit will be assessed by written report and (group) seminar presentation. Peer evaluation, of each individual's contribution to the group problem solving process, will also form part of the overall assessment for each student.

**Practical:** Up to 10 hours of fieldwork.

**Textbooks**
- Ergonomics, the Physiotherapist in the Workplace, B M (1990)
- Fitting the Task to the Man (4th ed) E. Grandjean (1990)

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**PHTY 5111 Clinical Physiotherapy A**

Old code 16542.6 credit points. Ms Eva Schonstein, (02) 9351 9550. **Offered:** February, **Classes:** nil. **Assessment:** clinical journal/report, case presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

**Note:** To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents and certified translations into English will be required.

**Practical:** Involves both on- and off-campus clinical hours (approximately 12 on-campus and 30 off-campus).

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**PHTY 5112 Orthopaedic Physiotherapy**

Old code 16543.6 credit points. Mr David Bear, (02) 9351 9550. **Offered:** February. **Classes:** on-campus 4 hours/week, late afternoon or evening. **Assessment:** written assignment, seminar presentation and practical examinations.

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the upper and lower limbs. Current clinical evidence for the role of merapeutic exercise is examined.

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**PHTY 5113 Clinical Physiotherapy B**

Old code 16544.6 credit points. Ms Eva Schonstein, (02) 9351 9550. **Offered:** July. **Assessment:** clinical journal/report and case presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

**Note:** To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents and certified translations into English will be required.

**Practical:** Involves both on- and off-campus clinical hours (approximately 12 on-campus and 30 off-campus).

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**PHTY 5114 Physiotherapy Management of Impairment, Disability and Handicap**

Old code 16545.6 credit points. Ms Louise Ada, (02) 9351 9544. **Offered:** February. **Assumed knowledge:** 2 years Neuro clinical experience. **Classes:** on-campus 3-4 hours/week, late afternoon or evening. **Assessment:** written examinations, seminars presentation and written assignment.

This unit consists of two modules. The first module examines the impairments associated with neurological lesions and the resultant adaptations of both motor and psychological behaviour. The second module examines disability and handicap associated with neurological lesions and provides a forum for students to examine the process of rehabilitation, the environment in which it takes place and factors which may influence outcome.

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**PHTY 5115 Clinical Neurological Physiotherapy A**

Old code 16546.6 credit points. Dr Cath Dean, (02) 9351 9266. **Offered:** February. **Assumed knowledge:** 2 years Neuro clinical experience. **Classes:** Various 4 hours/week, late afternoon or evening. **Assessment:** written journal report and seminar presentation.

This unit is designed to enable students to explore in some depth aspects of clinical practice in order to increase their knowledge of available clinical and scientific resources, and to expand their awareness and experience in areas of practice with which they are unfamiliar. Clinical placement will depend upon identified needs of the students and the availability of clinical placements.

The subject involves both academic and clinical hours. The clinical hours may be undertaken at the student's convenience.

**Practical:** Clinical hours as determined by student and coordinator.

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**PHTY 5116 Optimising Motor Performance**

Old code 16547.6 credit points. Ms Sharon Kilbreath (02) 9351 9272. **Offered:** July. **Prerequisite:** Functional Anatomy & Biomechanics. **Assumed knowledge:** 2 year clinical experience in Physiotherapy. **Classes:** on-campus 4 hours/week, late afternoon or evening. **Assessment:** written exam, viva examinations and written assignment.

In this unit, students examine normal motor behaviour in order to develop skill in analysing motor performance, planning and implementing motor training and preventing disabling adaptive processes. In addition, there will be a module examining the historical development of physiotherapy.

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**PHTY 5117 Topics in Neurological Physiotherapy**

Old code 16548.6 credit points. Ms Colleen Canning, (02) 9351 9263. **Offered:** July. **Assumed knowledge:** 2 year Neuro clinical experience. **Classes:** on-campus 4 hours/week, off-campus. **Assessment:** various.

This unit is designed to allow the student choice in studying an area pertinent to neurological physiotherapy. With the approval of the course academic adviser, students may choose from units within the faculty or by other universities - offered either on-campus or distance modes.

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**PHTY 5118 Clinical Neurological Physiotherapy B**

Old code 16549.6 credit points. Dr Cath Dean, (02) 9351 9266. **Offered:** July. **Assumed knowledge:** 2 years Neuro clinical experience. **Classes:** on-campus 4 hours/week, late afternoon and evening. **Assessment:** take-home written clinical examination and written report of a case study.

This subject provides students with the opportunity to apply knowledge gained in Optimising Motor Performance within a clinical environment without the pressure of the usual work place. Students will also prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The clinical hours may be undertaken at the student's convenience.

**Practical:** Yes.

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**PHTY 5119 Topics in Cardiopulmonary Physiotherapy**

Old code 16550.6 credit points. Ms Jenny Alison, (02) 9351 9371. **Offered:** February. **Corequisite:** Physiological and Cognitive Bases of Clinical Practice. **Classes:** on-campus 4 hours/week, late afternoon and evening. **Assessment:** written examination and/or written assignment.

This unit covers topics of current interest to physiotherapists in areas such as intensive care, pulmonary rehabilitation, cardiac rehabilitation, sleep disordered breathing. Topics covered will depend on available expertise and perceived importance to future directions in cardiopulmonary physiotherapy. Some of this unit may be presented in block mode.
PHTY 5120  Clinical Cardiopulmonary Physiotherapy A  
Old code 16551.6 credit points. Ms Jenny Alison, (02) 9351 9371. 
Assessment: written report and a report on a clinical investigation. 
This unit will provide 2 weeks access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes. 
Practical: Approximately 40 hours.

PHTY 5121  Cardiopulmonary Physiotherapy A  
Old code 16552.6 credit points. Ms Jenny Alison, (02) 9351 9371. 
Offered: July. Corequisite: Evaluation and Research in Physiotherapy Practice. Classes: on-campus 4 hours/week, late afternoon and evening. Assessment: seminar presentation and/or written examination. 
This unit will focus on cardiopulmonary interventions and their application to clinical practice. The physiological basis of each intervention will be investigated. Students will be expected to review current literature and draw conclusions regarding the appropriateness of each technique for particular clinical scenarios. 

PHTY 5122  Cardiopulmonary Physiotherapy B  
Old code 16553.6 credit points. Ms Jenny Alison, (02) 9351 9371. 
Offered: July. Classes: on-campus 4 hours/week, late afternoon and evening. Assessment: seminar presentations and case study analysis. 
This unit applies knowledge gained in Cardiopulmonary Physiotherapy A, Physiology and Anatomy to specific case studies with the aim of identifying clinical problems and designing appropriate clinical interventions. Students will prepare discussion questions to present in tutorials.

PHTY 5123  Clinical Cardiopulmonary Physiotherapy B  
Old code 16554.6 credit points. Ms Jenny Alison, (02) 9351 9371. 
Offered: July. Assessment: case presentation, written report and a report on a clinical investigation. 
This subject will provide 2 weeks access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes. 
Practical: Approximately 40 hours.

PHTY 5124  Musculoskeletal Disorders A  
Classes: on-campus 4 hours/week during the day. Assessment: written report and practical examinations. 
This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and lower limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY 5125  Clinical Manipulative Physiotherapy A  
Old code 16556.6 credit points. Ms Dale Larsen, (02) 9351 9176. 
Offered: July. Prerequisite: Functional Anatomy and Biomechanics, Musculoskeletal Disorders A, Corequisite: Functional Anatomy and Biomechanics, Musculoskeletal Disorders A. Classes: 3-4 hours/week. Assessment: practical examinations. 
This unit will provide the opportunity for students to integrate their knowledge gained in other units of this course, and their previous clinical knowledge and skills, with new approaches to the management of a person with a musculoskeletal disorder. This unit will be conducted in the out-patient departments of selected NSW public hospitals three half days per week.

PHTY 5126  Musculoskeletal Disorders B  
Old code 16557.6 credit points. Ms Debra Shirley, (02) 9351 9177. 
This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice.

PHTY 5127  Advanced Complex Case Studies in Musculoskeletal Physiotherapy -  
Old code 16558.6 credit points. Dr Kathryn Refshauge, (02) 9351 9180. Offered: July. Prerequisite: Functional Anatomy and Biomechanics, Musculoskeletal Disorders A, Musculoskeletal Disorders B. 
Assumed knowledge: Bachelor of Applied Science (Physiotherapy). Classes: on-campus 4 hours/week, during the day. Assessment: case study analyses, group participation and seminar presentations. 
This unit will adopt a problem based learning approach to the assessment and management of complex case studies of the musculoskeletal system.

PHTY 5128  Clinical Manipulative Physiotherapy B  
Old code 16559.6 credit points. Ms Dale Larsen. Offered: February. Prerequisite: Functional Anatomy and Biomechanics, Musculoskeletal Disorders A, Musculoskeletal Disorders B. Corequisite: Functional Anatomy and Biomechanics, Musculoskeletal Disorders A, Musculoskeletal Disorders B. 
Classes: 3-4 hours/week. Assessment: practical examinations. 
This unit will provide the opportunity for students to integrate their knowledge gained in other units of this course, and previous clinical knowledge and skills, with new approaches to the management of a person with a musculoskeletal disorder. This unit will be conducted in the out-patient departments of selected NSW public hospitals three half days per week.

PHTY 5129  Topics in Paediatric Physiotherapy A  
Old code 16560.6 credit points. Ms Jane Butler, (02) 9351 9265. 
This unit covers topics of current interest to paediatric physiotherapists in the area of neurological impairment, cardiorespiratory and musculoskeletal issues. The student will choose one of these areas to study and will be required to analyse information presented in the form of a clinical scenario, identify their learning needs and explore the pathophysiology and management of the problem through a process of supported self directed learning. Furthermore, the student will be required to identify clinical implications for assessing and training motor skills based on current research findings, justify their selection of intervention on the basis of best evidence available and identify the most appropriate means to evaluate the effectiveness of the intervention.

PHTY 5130  Clinical in Paediatric Physiotherapy A  
Old code 16561.6 credit points. Ms Jane Butler, (02) 9351 9265. 
This unit of study is designed to provide the student with an understanding of paediatric physiotherapy within a clinical setting. The student will be required to derive inferences from scientific research and develop applications to the clinical setting. In addition they will need to apply problem-solving skills to the effective management and evaluation of physiotherapy intervention. The student will be given the opportunity to decide on their individual preference of clinical setting and will conduct their placement through supported self-directed learning. Practical: As determined by the student and unit coordinator.
Faculty of Health Sciences Postgraduate Study 2001

PHTY 5131  Conceptual Framework Underlying Paediatric Physiotherapy
Old code 16562.6 credit points. Ms Jane Butler, (02) 9351 9265.
Offered: July. Assumed knowledge: 2 year clinical Paediatrics.
Classes: on-campus 4 hours/week, off-campus. Assessment: seminar presentation and written assignment.

This unit of study is intended to give students and understanding of current issues relating to children with particular reference to paediatric physiotherapy. Students will examine historical frameworks of paediatric physiotherapy and how these frameworks have influenced clinical practice.

PHTY 5132  Topics in Paediatric Physiotherapy B
Old code 16563.6 credit points. Ms Jane Butler, (02) 9351 9265.
Offered: July. Assumed knowledge: 2 years practical Paediatrics.
Classes: on-campus 4 hours/week, off-campus. Assessment: in accordance with selected unit.

This unit is designed to allow the student the opportunity to select their own area of study related to paediatric physiotherapy. With approval from the course academic advisor and unit of study coordinator, the student may select a unit of study from within the faculty or through another university.

Practical: In accordance with selected unit.

PHTY 5133  Clinical Paediatric Physiotherapy B
Old code 16564.6 credit points. Ms Jane Butler, (02) 9351 9265.
Offered: July. Prerequisite: Topics in Paediatric Physiotherapy A PHTY 5129 (16560). Assumed knowledge: 2 years clinical Paediatric Physiotherapy. Classes: 4 hours/week on campus.
Assessment: seminar presentation, written report of a case study.

This unit provides the students with the opportunity to apply knowledge gained in Topics in Paediatric Physiotherapy A within a clinical environment. Students will prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The academic hours will be presented on campus with the clinical hours undertaken at the student's convenience.

Practical: As deemed relevant by student and unit coordinator.

PHTY 5134  Physiotherapy in Disorders of the Hand
Old code 16565.6 credit points. Ms Anne Wajon, (02) 9351 9262.
Offered: July. Classes: on-campus 4 hours/week, afternoon or evening. Assessment: written assignment, seminar presentation and practical examinations.

This unit will focus on the assessment, clinical diagnosis and management of problems of the hand. Current clinical evidence for intervention is examined.

PHTY 5135  Scientific Investigation III
Old code 16566.6 credit points. Ms Louise Ada, (02) 9351 9544.
Assessment: written submission of an essay and seminar presentation.

The unit will consist of two modules. The first will provide the opportunity for students to learn the principles underlying evidence-based practice and the application of epidemiology research to clinical practice. The second will provide the opportunity for the student to study a researcher's work in detail in order to examine the scientific process. The researcher will visit the campus to discuss aspects of their work with students. The unit will be presented in flexible delivery mode; there will be some on-campus block mode sessions at the beginning and end of the semester with distance learning mode being offered during semester.

PHTY 6014 Research Thesis A
Old code 16503A.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of knowledge and skills in specific areas of research methods and/or statistical analyses.

2. Thesis discussion workshops which are designed to orient students to study at master's level, support the development of a research proposal, to exchange and test ideas pertaining to the research proposal, to report on work in progress, to defend procedures to be used in the research project and to support specific sections of the research thesis.

PHTY 6015 Research Thesis B
Old code 16503B.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of knowledge and skills in specific areas 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.
CHAPTER 10

Yooroong Garang: School of Indigenous Health Studies

Graduate Diploma of Health Science (Community Health)

Not offered in 2001
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 outline for the Graduate Diploma of Health Science (Community Health) full-time and part-time modes is presented in Table 10.1.

Table 10.1: Graduate Diploma of Health Science (Community Health)

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<th>Course code</th>
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<td>AHCD 5002</td>
<td>(07502)</td>
<td>Program Planning and Evaluation</td>
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<td>AHCD 5003</td>
<td>(07503)</td>
<td>Integrative Paper</td>
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<td>AHCD 5004</td>
<td>(07504)</td>
<td>Introduction to Community Health</td>
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<td>AHCD 5005</td>
<td>(07505)</td>
<td>Australian Society and Health</td>
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<td>BACH 5281</td>
<td>(2558N)</td>
<td>Methodological Issues in Community Health</td>
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Master of Health Science (Community Health) by Coursework

Not offered in 2001

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 10.2.

Table 10.2: Master of Health Science (Community Health) by Coursework

<table>
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<tr>
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<td>(07503)</td>
<td>Integrative Paper</td>
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<td>(07504)</td>
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Part-time mode

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<td>(07501)</td>
<td>Health Promotion</td>
<td>6</td>
</tr>
<tr>
<td>0707</td>
<td>Part-time; 3 years</td>
<td>(07504)</td>
<td>Introduction to Community Health</td>
<td>6</td>
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<td></td>
<td></td>
<td>(07505)</td>
<td>Australian Society and Health</td>
<td>6</td>
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<tr>
<td></td>
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<td></td>
<td>Elective¹</td>
<td>4</td>
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<tr>
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<td></td>
<td>Elective¹</td>
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<tr>
<td></td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>(07502)</td>
<td>Program Planning and Evaluation</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(07503)</td>
<td>Integrative Paper</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(2558N)</td>
<td>Methodological Issues in Community Health</td>
<td>6</td>
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<tr>
<td></td>
<td></td>
<td>(07506)</td>
<td>Treatise</td>
<td>12</td>
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<td></td>
<td></td>
<td></td>
<td>Research elective²</td>
<td>6</td>
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<td></td>
<td></td>
<td>Research elective²</td>
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<td>12</td>
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</tbody>
</table>

Notes to Table 10.2

1. For a full list of elective units please see the listing under Table 10.5. Units in this course may be offered subject to sufficient students and staff availability. Each elective is 4 credit points. Electives from other courses in the University may be taken by students after consultation with the Community Health Coordinator and the appropriate School. See chapter 13.
2. Research electives: Students will select with the aid of their supervisor appropriate research electives from the Faculty-wide master's research electives. See Chapter 13.
Chapter 10 - Yooroang Garang: School of Indigenous Health Studies

Graduate Certificate of Health Science (Indigenous Community Health)

This course will provide students with the relevant skills and attributes that are required for work in Indigenous context. The course focuses on the health needs of Indigenous people and provides training in cultural awareness, program planning and evaluation, and health promotion. The course involves project work that can accommodate the specific context and occupation of the participants.

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

i) have completed undergraduate diploma or degree in health science for relevant areas; or

ii) evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate study.

Course outline
The course outline for the Graduate Certificate of Health Science (Indigenous Community Health) is presented in Table 10.3.

Table 10.3: Graduate Certificate of Health Science (Indigenous Community Health)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0701</td>
<td>Off-campus; minimum 2 semesters, maximum 4 semesters</td>
<td>AHCD 5002 (07502X)</td>
<td>Program Planning &amp; Evaluation</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AHCD 5039 (07539X)</td>
<td>Health Promotion</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AHCD 5052 (07552X)</td>
<td>Introduction to Indigenous Community Health</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AHCD 5053 (07553X)</td>
<td>Social Justice and Indigenous Health</td>
<td>-</td>
<td>6</td>
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<td>Stage total (24 credit points for Year 1)</td>
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<td>12</td>
</tr>
</tbody>
</table>

Graduate Diploma of Health Science (Indigenous Community Health)

This course enables students to apply theory to practice in Indigenous health settings. The graduate Diploma provides students with the opportunity of pursuing a project-based option or a number of specialist electives in various streams.

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

i) have completed degree in health science or other relevant areas; or

ii) evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue Graduate course outline.

Course outline
The course outline for the Graduate Diploma of Health Science (Indigenous Community Health) is presented in Table 10.4.

Table 10.4: Graduate Diploma of Health Science (Indigenous Community Health)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>0702</td>
<td>Off-campus; minimum 4 semesters, maximum 6 semesters</td>
<td>AHCD 5002 (07502X)</td>
<td>Program Planning &amp; Evaluation</td>
<td>6</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>AHCD 5039 (07539X)</td>
<td>Health Promotion</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AHCD 5052 (07552X)</td>
<td>Introduction to Indigenous Community Health</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AHCD 5053 (07553X)</td>
<td>Social Justice and Indigenous Health</td>
<td>-</td>
<td>6</td>
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<tr>
<td>Year 2 (Option 1)</td>
<td></td>
<td>AHCD 5040 (07540X)</td>
<td>Dissertation</td>
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<tr>
<td></td>
<td></td>
<td>BACH 5281 (2558NX)</td>
<td>Methodological Issues in Community Health</td>
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<td>Elective</td>
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<td>4</td>
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<td>Elective</td>
<td>4</td>
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<tr>
<td>Year 2 (Option 2)</td>
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<td>BACH 5281 (2558NX)</td>
<td>Methodological Issues in Community Health</td>
<td>6</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>AHCD 5041 (07541X)</td>
<td>Project Development</td>
<td>6</td>
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<tr>
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<td>AHCD 5042 (07542X)</td>
<td>Project Management</td>
<td>6</td>
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<td></td>
<td>AHCD 5043 (07543X)</td>
<td>Project Report</td>
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<td>Stage total (24 credit points for Year 2 Option 2)</td>
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</tr>
</tbody>
</table>
**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:

- have completed degree in health science or other relevant areas; or
- evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate studies.

**Course outline**  
The course outline for the Master of Health Science (Indigenous Community Health) by Coursework is presented in Table 10.5.

| Table 10.5: Master of Health Science (Indigenous Community Health) by Coursework |
|---|---|---|---|
| **Course code** | **Mode of offer** | **Credit points:** 72 |
| 0703 | Off-campus | minimum 6 Semesters, maximum 8 Semesters |

**Year 1**

<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHCD 5002</td>
<td>Program Planning &amp; Evaluation</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>AHCD 5039</td>
<td>Health Promotion</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>AHCD 5052</td>
<td>Introduction to Indigenous Community Health</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>AHCD 5053</td>
<td>Social Justice and Indigenous Health</td>
<td>-</td>
<td>6</td>
</tr>
</tbody>
</table>

Stage total (24 credit points for Year 1)  

| Year 2 (Option 1) |
|---|---|---|---|
| AHCD 5040 | Dissertation | - | 6 |
| BACH 5281 | Methodological Issues in Community Health | 6 | - |
| Elective | 4 | - | 4 |
| Elective | - | 4 | - |
| Elective | 4 | 6 | 6 |

Stage total (24 credit points for Year 2)  

| Year 3 (Option 1) |
|---|---|---|---|
| Research elective | 6 | - | - |
| Research elective | 6 | - | - |
| AHCD 5044 | Treatise | - | 12 |

| Year 3 (Option 2) |
|---|---|---|---|
| Research elective | 6 | - | - |
| Research elective | 6 | - | - |
| AHCD 5045 | | | |

Stage total (24 credit points for Year 3)  

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1. The following elective units may be offered subject to staff availability. Each elective is 4 credit points. Electives from other courses in the University may be taken by students after consultation with the Course Coordinator, phone (02) 9351 9117 and the appropriate School. For more electives see chapter 13.

| AHCD 5007 | Women's Health | AHCD 5027 | School Health |
| AHCD 5012 | Alcohol and Other Drugs Studies | AHCD 5030 | Housing and Health |
| AHCD 5013 | Health in the Developing World | AHCD 5031 | Strategic Planning |
| AHCD 5016 | Community Health Policy and Services | AHCD 5033 | Cultural Awareness for Indigenous Health |
| AHCD 5020 | Community Development | AHCD 5035 | Injury Prevention |
| AHCD 5022 | Indigenous Family Health | AHCD 5036 | Independent Learning |
| AHCD 5023 | Indigenous Mental Health | AHCD 5038 | Indigenous Health |

2. Research electives: Students will select with the aid of their supervisor appropriate research electives from the Faculty-wide master's research electives. See chapter 13.
Master of Applied Science (Indigenous Community Health) by Research

This course provides the opportunity for research in community health.

Admission requirements

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

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

ii) Submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, AND

iii) In addition, meet any other requirements for admission to the program as may be prescribed.

Course outline

The course outline for the Master of Applied Science (Indigenous Community Health) by Research is presented in Table 10.6.

Table 10.6 Master of Applied Science (Indigenous Community Health) by Research

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Year 1 (and subsequent years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0708</td>
<td>Full-time; minimum 2 years</td>
<td>AHCD6001 (07601A) Research Thesis</td>
</tr>
<tr>
<td>0709</td>
<td>Part-time; minimum 3 years</td>
<td>AHCD6002 (07602B) Research Thesis</td>
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</tbody>
</table>

Full-time mode

Part-time mode

Year 1 (and subsequent years)

AHCD6001 (07601A) Research Thesis
AHCD6002 (07602B) Research Thesis
Units of study

AHCD 5001 Health Promotion
Old code 07501.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: February. Classes: External/distance mode.
This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

AHCD 5002 Program Planning and Evaluation
Old code 07502/07502X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.
The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Students will also be become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD 5003 Integrative Paper
Old code 07503.10 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.
This unit aims to give students the opportunity to develop the skills required for an independent investigation in an area of relevance to their professional interests. This may take any one of several forms, depending on the nature of the investigation and of the students candidature. In all cases, the main component of the final report will be an extended literature analysis and critical review. Master students, however, would normally be expected to develop their investigation as preparation for their treatise.

AHCD 5004 Introduction to Community Health
Old code 07505.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: February. Classes: Attendance required: right classes.
This unit introduces students to the conceptual underpinnings of community health as a field of academic study and professional practice. It examines the unique matrix of disciplines which seek to document and explain the relationship between the health of individuals and communities and provides an overview of perspectives and approaches in the application of knowledge through community-based service development.

AHCD 5005 Australian Society and Health
Old code 07505.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Attendance required: right classes.
This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political, relations and processes for understanding these patterns.

AHCD 5006 Treatise
The general aim of this unit is to synthesise post-graduate learning into a final project relevant to some aspect of community health. Students conduct and write up their project under the supervision of one or more members of the academic staff.

AHCD 5007 Women’s Health
Old code 07507.4 credit points. Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract Learning.
This unit seeks to examine the pattern and source of women's health in Australia and to critically evaluate health care services for women.

AHCD 5012 Alcohol and Other Drugs
Old code 07512.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.
This unit introduces students to the issues surrounding drug and substance abuse in the community. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

AHCD 5013 Health in the Developing World
This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia’s neighbours in the Pacific and Southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

AHCD 5016 Community Health Policy and Services
This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

AHCD 5020 Community Development
Old code 07520.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.
This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD 5022 Indigenous Family Health
The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

AHCD 5023 Indigenous Mental Health
Mental Health has only been recently acknowledged as a specific health issue for Aboriginal and Torres Strait Islander people. In the past Aboriginal Mental health was treated in the realm of drug and alcohol problems. Indigenous Mental Health does require an insiders perspective, and a framework for acknowledging the injustices forced upon Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

AHCD 5027 School Health
Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.

**AHCD 5030 Housing and Health**  
Old code 07530X. 4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Night classes.  
The aim of this unit is to provide students with skills in examining health within the living environment. The aim is to equip students with knowledge and skills in order to examine, evaluate and survey present living conditions within the broad definition of health. The unit will enable students to plan, develop and implement housing intervention strategies for health.

**AHCD 5031 Strategic Planning**  
Strategic planning is vital for the future of health organisations as well as business and government agencies. This elective is designed to provide health professionals with a model and set of tools in order to develop a long range strategic plan for an organisation. Students may use this opportunity to support the writing of a strategic plan for an organisation to which they belong.

**AHCD 5033 Cultural Awareness for Indigenous Health**  
The aim of this unit is to sensitise people of Indigenous and non-Indigenous communities with the cultural diversity in Indigenous societies. This is a unit which aims to increase participants knowledge through defining their prior knowledge of Indigenous culture.

**AHCD 5035 Injury Prevention**  
This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non-Indigenous contexts.

**AHCD 5036 Independent Learning**  
The aim of this unit is to provide the students with opportunities in exploring areas of study which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together. Students through their own set of objectives and negotiation with their supervisor identify their learning needs. A set of negotiation contract will facilitate this process.

**AHCD 5038 Indigenous Health**  
This unit examines the relationship between social inequality and the distribution of health in societies with particular reference to the Indigenous population. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

**AHCD 5039 Health Promotion**  
Old code 07539X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.  
This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

**AHCD 5040 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.

**AHCD 5041 Project Development**  
This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and Community Development.

**AHCD 5042 Project Management**  
Old code 07542/07542X. 4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.  
In this unit, students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

**AHCD 5043 Project Report**  
Old code 07543X. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.  
The aim of this subject is to give students opportunity to describe their evaluated project, explain its achievements/failures, discuss its significance and its financial implication for both consumers and service providers.

**AHCD 5052 Introduction to Indigenous Community Health**  
This unit of study provides an introduction to the conceptual underpinning of Indigenous community as an area of academic study and professional practice. The multi-disciplinary, problem orientated and participatory nature of community health will be explored in relation to the unique context of Indigenous health. Student will also analyse the meaning and causation of disease and the organisational structures and management of community health through case studies in a variety of Indigenous settings.

**AHCD 5053 Social Justice and Indigenous Health**  
Old code 07553X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: Full year. Classes: External/distance mode.  
This unit of study focuses on social justice as a fundamental principle in understanding the current situation of Indigenous health in Australia. Concept of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and
equity will be the major components of this unit of study at micro and macro levels.

**AHCD6001 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 may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

**AHCD 6002 Research Thesis**
Old code 07602B. Contact Postgraduate Research Coordinator, (02) 9351 9127. Offered: July. Classes: Independent learning.
A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

**BACH 5281 Methodological Issues in Community Health**
Old code 2558NX. 6 credit points. Contact School of Behavioural and Community Health Sciences, (02) 9351 9228. Offered: February. Classes: External/distance mode.
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.
CHAPTER 11

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 the Faculty Handbook.

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 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 11.1.

Master's research thesis

The successful submission of a research thesis is the ultimate objective of the program. The process will necessitate a collaborative endeavour between a student and the supervisor and will involve a student's advisory committee.

Australian Stuttering Research Centre

This Centre of Faculty was established in January 1996. Staff of the Centre work closely with speech pathologists in and outside Australia. 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
- provide professional continuing education to Australian and international speech pathologists
- provide postgraduate research programs in stuttering research
- disseminate to the Australian community information about stuttering treatment

Staff research interests draw on several disciplines that are applied to stuttering research, including acoustics, linguistics, physiology and psychology.

For enquiries contact the Director of the Centre, Associate Professor Mark Onslow.
Phone: (02) 9790 8793
Fax: (02) 9790 8392
Email: m.onslow@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/Academic/ASRC

National Voice Centre

The National Voice Centre is a University Centre developed by the Faculty of Health Sciences with the support of individuals within the University including the Sydney Conservatorium of Music and the community. It is dedicated to promoting excellence in the art, care and science of voice.

The National Voice Centre offers several research based degrees in voice, singing and wind instrument performance. The program for each graduate student in the National Voice Centre is individually tailored. For most candidates, a research advisory team is established consisting of the supervisor(s) as well as advisers in artistic or clinical areas.

The Centre has established research links with a number of other groups, both within and outside the University. In particular, the Centre has links with respiratory medicine specialists, voice clinicians, ENT specialists, and with major institutions and associations related to vocal performance.

The National Voice Centre currently comprises 22 graduate students, one full-time research staff member, one 0.4 research staff secondment, thirteen Honorary Associates, six advisers/supervisors from other departments of the University of Sydney as well as a number of external research advisors from a variety of related fields. The Centre has established a strong research program in the science of vocal performance, particularly with regard to respiratory mechanics, control and acoustics of voice and laryngeal physiology.

The Centre is located on both the Cumberland and Camperdown campuses of The University of Sydney. Facilities and equipment are excellent. Respiratory measurement and muscle and physiological recording are the focus of the new purpose-built research laboratory on the Cumberland campus while digital laryngeal imaging via fibroptic laryngoscopy/stroboscopy and acoustic analysis of the performance voice are the research foci of the Camperdown campus. As the Centre's computers are all networked, students may elect to work on either campus at any time in order to take full advantage of the research potential on each campus.

Current research projects include: breathing in speech, counter tenor voice, the role of respiration in emotional expression in song (funded by the Australian Research Council 1998-2000), neural mechanisms in vocal control, performance anxiety, physiology and acoustics of singing, speech pathology and acting, the development of physiological based models of singing voice production, the physiology and acoustics of classical singing and flute playing, therapeutic effects of singing, ultrasonography of respiratory muscle activity and operatic voice production.

For enquiries contact the Director of the Centre, Associate Professor Pamela Davis.
Phone: (02) 9351 5352
Fax: (02) 9351 5351
Email: p.davis@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/Academic/ASRC

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Rehabilitation Research Centre

In March 1989, the Cumberland College of Health Sciences established the Rehabilitation Research Centre with the charter to raise research productivity in the area of rehabilitation. In 1994, the Rehabilitation Research Centre became a research centre of the Faculty of Health Sciences.

Objectives of the Centre

The research objectives for the Rehabilitation Research Centre are to:

• increase research productivity, publication and scholarship in the area of rehabilitation
• stimulate and provide support for existing researchers in the Faculty of Health Sciences
• stimulate and provide training programs for beginning researchers, particularly staff and clinicians
• develop proposals for funding so as to support the continued activities of the Rehabilitation Research Centre.

The educational and promotional objectives are to:

• attract eminent rehabilitation researchers to the Faculty to collaborate with staff at the Centre
• provide post doctoral fellowships
• provide stimulating research environments for postgraduate students
• strengthen relationships between the Rehabilitation Research Centre and other clinically and research orientated institutions
• organise and conduct national and international symposia on rehabilitation issues relevant to the Centre’s research directions
• foster and promote the interchange of ideas between researchers and local clinicians using the workshop model
• provide a limited, but high quality rehabilitation service for patient assessment, prescription and follow-up through private funding arrangements.

For enquiries contact the Director of the Centre, Associate Professor Glen Davis.
Phone: (02) 9351 9466
Fax: (02) 9351 9977
Email: rehab@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/Academic/RRC/
### Table 11.1: Master of Applied Science (Research)

#### Australian Stuttering Research Centre

<table>
<thead>
<tr>
<th>Course code</th>
<th>Mode of offer</th>
<th>Unit code</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2403</td>
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<td>Masters; Research Thesis, year 1</td>
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<tr>
<td>2404</td>
<td>Masters; Part-time</td>
<td>STUT 6003B</td>
<td>Masters; Research Thesis, year 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STUT 6004A</td>
<td>Masters; Research Thesis, year 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STUT 6005B</td>
<td>Masters; Research Thesis, year 2</td>
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#### National Voice Centre

<table>
<thead>
<tr>
<th>Course code</th>
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<th>Unit code</th>
<th>Unit name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2103</td>
<td>Masters; Full-time</td>
<td>VOIC 6002A</td>
<td>Masters; Research Thesis, year 1</td>
</tr>
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<td>2104</td>
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<td>VOIC 6003B</td>
<td>Masters; Research Thesis, year 1</td>
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<td></td>
<td>VOIC 6004A</td>
<td>Masters; Research Thesis, year 2</td>
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<td></td>
<td></td>
<td>VOIC 6005B</td>
<td>Masters; Research Thesis, year 2</td>
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#### Rehabilitation Research Centre

<table>
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<th>Unit name</th>
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<tbody>
<tr>
<td>2303</td>
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<td>REHA 6002A</td>
<td>Masters; Research Thesis, year 1</td>
</tr>
<tr>
<td>2304</td>
<td>Masters; Part-time</td>
<td>REHA 6003B</td>
<td>Masters; Research Thesis, year 1</td>
</tr>
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<td></td>
<td></td>
<td>REHA 6004A</td>
<td>Masters; Research Thesis, year 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>REHA 6005B</td>
<td>Masters; Research Thesis, year 2</td>
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<table>
<thead>
<tr>
<th>Unit code</th>
<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Full-time mode

**Year 1**

| XXXXX | Research Thesis Preparation¹ |
| XXXXX | Research Thesis Preparation¹ |

**Year 2**

| XXXXX | Research Thesis |
| XXXXX | Research Thesis |

#### Part-time mode

**Year 1**

| XXXXX | Research Thesis Preparation¹ |
| XXXXX | Research Thesis Preparation¹ |

**Year 2**

| XXXXX | Research Thesis Preparation¹ |
| XXXXX | Research Thesis Preparation¹ |

**Year 3**

| XXXXX | Masters Research Thesis |
| XXXXX | Research Thesis Preparation¹ |

**Year 4**

| XXXXX | Research Thesis Preparation¹ |
| XXXXX | Research Thesis Preparation¹ |

**Note to Table 11.1**

1. In the thesis preparation it may be deemed appropriate, by the principal supervisor, for a student to enrol in graduate elective units.
CHAPTER 12

Singapore courses

Master of Health Science (Management)

Off-shore (Singapore-based)
The Faculty of Health Sciences offers the Master of Health Science (Management) course 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 such qualifications as are deemed to be equivalent to (i) above.

Course outline
The course outline for the Master of Health Science (Management) is presented in Table 12.1.

Table 12.1: Master of Health Science (Management)

<table>
<thead>
<tr>
<th>Course code</th>
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<tbody>
<tr>
<td>2013</td>
<td>Pass course; two years (Singapore-based)</td>
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<td>Credit points:</td>
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<table>
<thead>
<tr>
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<th>Unit name</th>
<th>Sem 1</th>
<th>Sem 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SING 5001 (20501)</td>
<td>Organisational and Managerial Behaviour</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5002 (20502)</td>
<td>Health Economics</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5003 (20503)</td>
<td>Health Service Leadership and Change</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5004 (20504)</td>
<td>Accounting and Financial Management for Health Service Managers</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 1)</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SING 5005 (20505)</td>
<td>Health Service Marketing</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5006 (20506)</td>
<td>Strategic Management and Planning</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5007 (20507)</td>
<td>Health Sector Human Resource Management and Industrial Relations</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>SING 5008 (20508)</td>
<td>Information and Decision Analysis</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 2)</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

Master of Health Science (Management) Honours
A candidate may be invited to enter the master degree award with honours. Candidates with a 65 percent pass or better in all units of study and a 75 percent pass or better in at least two units of study may apply to complete the additional honours requirement of a dissertation.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 24 credit points and will normally be completed within two semesters.

Course outline
The course outline for the Master of Health Science (Management) Honours is presented in Table 12.2.

Table 12.2: Master of Health Science (Management) Honours

<table>
<thead>
<tr>
<th>Course code</th>
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<td>Credit points:</td>
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<thead>
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<th>Sem 2</th>
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</thead>
<tbody>
<tr>
<td>Year 2</td>
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<td></td>
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<tr>
<td>as per Pass course</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 3 Honours</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>SING 5012 (20510)</td>
<td>Dissertation</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Stage total (24 credit points for Year 3)</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>
Units of study

SING 5001  Organisational and Managerial Behaviour
Old code 20501.6 credit points. Offered: February.
Historical development of management and organisations; perspectives on organisations; individual and group behaviour; theories of organisation; organisational politics, culture, structure; organisational communication.

SING 5002  Health Economics
Old code 20502.6 credit points. Offered: February.
Introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. Introduction to microeconomics, health care markets, market failure, government intervention and the values that underly decision-making.

SING 5003  Health Service Leadership and Change
Old code 20503.6 credit points. Offered: July.
Historical and current theories of leadership; leader-follower behaviour; the language, rhetoric and practice of leaders; the imperative for change; models of change; change management strategies and tactics; continuous quality improvement; application to the Singapore environment.

SING 5004  Accounting and Financial Management for Health Service Managers
Old code 20504.6 credit points. Offered: July.
Accounting and information needs; accounting principles; financial statements; inventory, asset and financial reporting and management; management accounting; cost, budgeting and expenditure analysis; funding options and models in health care; investments; financing; dividends; risk management.

SING 5005  Health Service Marketing
Old code 20505.6 credit points. Offered: February.
The marketing concept; theory and practice; services marketing and its relationship to health care; analysing market needs in health care; marketing strategy, planning and development; marketing and competitor analysis; competitor behaviour; marketing program design; ethical marketing for health care; case studies in health services marketing; marketing program evaluation.

SING 5006  Strategic Management and Planning
Old code 20506.6 credit points. Offered: February.
Environmental scanning; scenario planning; strategic behaviour; managing strategically; expressing strategic intent; competitive strategy; ideas, tools and techniques of the strategist; the learning organisation; strategic planning; evaluation; relationship to leadership.

SING 5007  Health Sector Human Resource Management and Industrial Relations
Old code 20507.6 credit points. Offered: July.
HRM and IR theories; historical context; skills; the IR system in Singapore; role and application of various HRM and IR techniques; internal and external labour markets; motivation and productivity; OH&S; EEO; globalisation of HRM and IR.

SING 5008  Information and Decision Analysis
Old code 20508.6 credit points. Offered: July.
Computing and information analysis; decision analysis and control; Information systems development, management; decision support systems and EIS; health information management - sources, limitations, issues, principles.

SING 5012  Dissertation
Old code 20509B. 24 credit points. Offered: Full year.
Semester 1-12 credit points; Semester 2-12 credit points;
The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.
CHAPTER 13
Electives

The information provided in this schedule includes an individual code for each unit of study - ie, electives for postgraduate students. Not all electives are offered each semester. The mode of presentation varies between schools. Students who require further information about the content or administration of electives and when they are offered should contact the school offering the specific elective. To obtain this information a unit of study code has been used next to the unit title:

- The four letter prefix represents the school in which the elective is taught (see Table 13.1)
- The first digit represents the level of that unit:
  5xxx = Postgraduate Coursework
  6xxx = Masters Research
  7xxx = PhD
- A further three digits distinguish the particular unit of study
- During the transition to the new unit code format, the old 'subject' code is also listed.

Each unit of study (elective) has a credit point value. Students should note that limitations on enrolment are imposed for some units of study.

Faculty electives (sorted by code)

**AHCD 5001 Health Promotion**
Old code 07501.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** February. **Classes:** External/distance mode.

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

**AHCD 5002 Program Planning and Evaluation**
Old code 07502/07502X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** July. **Classes:** External/distance mode.

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Student will be also become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

**AHCD 5005 Australian Society and Health**
Old code 07505.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** July. **Classes:** Attendance required; night classes.

This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

**AHCD 5007 Women's Health**
Old code 07517.4 credit points. Postgraduate Coordinator, (02) 9351 9117. **Offered:** July. **Classes:** Contract Learning.

This unit seeks to examine the pattern and source of women's health in Australia and to critically evaluate health care services for women.

**AHCD 5010 Issues in Community Mental Health**
Old code 07510.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Classes:** Contract learning.

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.

**AHCD 5012 Alcohol and Other Drugs**
Old code 07512.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** July. **Classes:** Contract Learning.

This unit introduces students to the issues surrounding drug and substance abuse in the community. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

**AHCD 5013 Health in the Developing World**
Old code 07513.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** February, July. **Classes:** Contract learning.

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia’s neighbours in the Pacific and southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating health care services.

This unit examines the pattern and source of women's health in Australia and to critically evaluate health care services for women.

**AHCD 5010 Issues in Community Mental Health**
Old code 07510.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Classes:** Contract learning.

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**AHCD 5013 Health in the Developing World**
Old code 07513.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** February, July. **Classes:** Contract learning.

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia’s neighbours in the Pacific and southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating health care services.

Table 13.1: Unit code prefixes

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<tr>
<td>DHSC</td>
<td>Doctor of Health Science</td>
<td>G101</td>
<td>(02) 9351 9220</td>
</tr>
<tr>
<td>ORTH</td>
<td>School of Applied Vision Sciences</td>
<td>T231</td>
<td>(02) 9351 9250</td>
</tr>
<tr>
<td>BACH</td>
<td>School of Behavioural and Community Health Sciences</td>
<td>G101</td>
<td>(02) 9351 9228</td>
</tr>
<tr>
<td>BIOS</td>
<td>School of Biomedical Sciences</td>
<td>S134</td>
<td>(02) 9351 9455</td>
</tr>
<tr>
<td>CSCD</td>
<td>School of Communication Sciences and Disorders</td>
<td>B100</td>
<td>(02) 93519450</td>
</tr>
<tr>
<td>EXSS</td>
<td>School of Exercise and Sport Science</td>
<td>S140</td>
<td>(02) 9351 9612</td>
</tr>
<tr>
<td>HIMT</td>
<td>School of Health Information Management</td>
<td>T301</td>
<td>(02) 9351 9494</td>
</tr>
<tr>
<td>MRTY</td>
<td>School of Medical Radiation Sciences</td>
<td>M201</td>
<td>(02) 9351 9640</td>
</tr>
<tr>
<td>OCCP</td>
<td>School of Occupation and Leisure Sciences</td>
<td>M501</td>
<td>(02) 9351 9386</td>
</tr>
<tr>
<td>PHTY</td>
<td>School of Physiotherapy</td>
<td>O100</td>
<td>(02) 9351 9273</td>
</tr>
<tr>
<td>AHCD</td>
<td>Yooroong Garang: School of Indigenous Health Studies</td>
<td>T409</td>
<td>(02) 9351 9084</td>
</tr>
</tbody>
</table>
primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

AHCD 5015  Community Nutrition
Old code 07515.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.
This unit aims to increase knowledge and develop skills of allied health professionals concerning the theory and methods of community nutrition practices and service delivery. A major goal is to enable students to identify and utilise opportunities for appropriate development and integration of community nutrition services within the general health services in which they work.

AHCD 5016  Community Health Policy and Services
This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

AHCD 5020  Community Development
Old code 07520.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.
This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD 5022  Indigenous Family Health
The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

AHCD 5023  Indigenous Mental Health
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 realms of drug and alcohol problems. Indigenous Mental Health does require an insiders perspective, and a framework for acknowledging the injustices forced upon Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

AHCD 5027  School Health
Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.

AHCD 5030  Housing and Health
Old code 07530X.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Night classes.
The aim of this unit is to provide students with skills in examining health within the living environment. The aim is to equip students with knowledge and skills in order to examine, evaluate and survey present living conditions within the broad definition of health. The unit will enable students to plan, develop and implement housing intervention strategies for health.

AHCD 5031  Strategic Planning
Strategic planning is vital for the future of health organisations as well as business and government agencies. This elective is designed to provide health professionals with a model and set of tools in order to develop a long range strategic plan for an organisation. Students may use this opportunity to support the writing of a strategic plan for an organisation to which they belong.

AHCD 5033  Cultural Awareness for Indigenous Health
The aim of this unit is to sensitise people of Indigenous and non-Indigenous communities with the cultural diversity in Indigenous societies. This is a unit which aims to increase participants knowledge through defining their prior knowledge of Indigenous culture.

AHCD 5035  Injury Prevention
This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non Indigenous contexts.

AHCD 5036  Independent Learning
The aim of this unit is to provide the students with opportunities in exploring areas of studies which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together. Students through their own set of objectives and negotiation with their supervisor identify their learning needs. A set of negotiation contract will facilitate this process.

AHCD 5041  Project Development
This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and Community Development.

AHCD 5042  Project Management
Old code 07542/07542X.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.
In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

AHCD 5052  Introduction to Indigenous Community Health
This unit of study provides an introduction to the conceptual underpinning of Indigenous community as an area of academic study and professional practice. The multi-disciplinary, problem orientated and participatory nature of community health will be explored in relation to the unique context of Indigenous
health. Student will also analyse the meaning and causation of disease and the organisational structures and management of community health through case studies in a variety of Indigenous settings.

AHCD 5053 Social Justice and Indigenous Health
Old code 07553X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** Full year. **Classes:** Externally. 

This unit of study focuses on social justice as a fundamental principle in understanding the current situation of Indigenous health in Australia. Concept of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.

AHCD 5035 Injury Prevention
Old code 07535X. 4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. **Offered:** July. **Classes:** Contract learning.

This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non-Indigenous contexts.

BACH 5001 Adult Learning
Old code 25500/25500X. 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February, July. **Classes:** Night classes (starts after 4.00pm); external/distance mode; independent learning packages. Assessment: assignment based (non exam).

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

Distance education and on-campus mode night classes with independent learning packages; two optional audioconferences; email support, web support (If insufficient on-campus enrolments, then may be offered by distance only.)

BACH 5002 Educational Design
Old code 25501/25501X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February, July. **Classes:** Class attendance required. Night classes; independent learning packages; email support; external/distance mode. Assessment: assignment-based (non exam).

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

BACH 5003 Facilitating Learning
Old code 25502/25502X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February, July. **Prerequisite:** Learning in Groups BACH 5118 (25540/25540X). **Corequisite:** Learning in Groups BACH 5118 (25540/25540X). **Assumed knowledge:** Some knowledge of Adult Learning Theory and Group Dynamics useful. **Classes:** Independent learning package; external/distance mode. Optional three Saturday workshops. Assessment: essay and report based (no exam).

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

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

Practical: Videotaped practice of teaching skills in campus workshop or participants setting.

**Textbooks**

BACH 5004 Educational Practice

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

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

BACH 5007 Curriculum Leadership
Old code 25506/25506X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. **Prerequisite:** Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Classes:** Independent learning packages for all. On-campus and off-campus mode. Evening classes held fortnightly for on-campus students if sufficient numbers. Email support. Assessment: assignment choices include essays or workplace project (no exam).

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work. **Textbooks** No prescribed text

BACH 5008 Health Promotion, Planning and Evaluation
Old code 25507. 6 credit points. Dr Carol O'Donnell, (02) 9351 9580. Offered: February, July. **Prerequisite:** Introduction to Health Education (08481). **Corequisite:** Introduction to Health Education (08481). **Classes:** Attendance required. Assessment: assignment (2000 words and 4000 words).

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

BACH 5020 Introduction to Educational Computing
Old code 25519. 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: July. **Classes:** Attendance required; night classes. Assessment: (non exam) assignment-based.

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

BACH 5022 Independent Investigation I
Old code 25501 B2551 BX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. **Prerequisite:** Negotiated. **Corequisite:** Adult learning BACH 5001 (25500/25500X) and Educational design BACH 5002 (25501/25501X). **Classes:** Contract learning. Assessment: negotiated.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.
BACH 5024 In-Service and Continuing Education in Health Services
Old code 2551D/2551DX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Workplace learning an advantage. Classes: Independent learning packages for all. On-campus and off-campus mode. Evening classes held fortnightly for on campus students if sufficient numbers. Email support. Assessment: (non exam) assignment based.
This elective aims to provide opportunities for participants to explore the main challenges facing educators delivering in-service 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 in-service and continuing education are explored.
Textbooks
Non prescribed

BACH 5025 Patient Education
Old code 2551 E/2551 EX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. Prerequisite: Non prescribed. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning packages for all. Distance and on-campus mode. Evening classes held fortnightly for on campus students if sufficient numbers. Email support. Assessment: (non exam) assignment based.
Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.
Textbooks
Non prescribed

BACH 5026 Special Investigation
This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

BACH 5027 Mental Health in Later Life
The unit aims to provide a broad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

BACH 5028 Planning and Evaluation
The aim of this unit is to examine the process of planning, evaluating and improving programs and projects. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction.

BACH 5034 The Residential Care Setting and Older People
Old code 2551I. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. Classes: Independent learning package; external/distance mode. Assessment: three assignments. This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff.

BACH 5036 Community Aged Care
This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of deinstitutionalisation as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg. a particular service type or practice issue, elder abuse, social isolation, homelessness).

BACH 5037 Introduction to Health Education
International perspectives, theories and models for health education are explored. Ways these translate into local strategies for intervention are examined.
Independent learning packages and email support.
Textbooks
Non prescribed

BACH 5038 The Community Setting and Older People
Old code 2551R. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. Classes: Independent learning package; external/distance mode. Assessment: three assignments. This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

BACH 5039 Large Group Teaching
Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.
Distance education and on-campus mode (no classes) with independent learning packages and email support.

BACH 5041 Introduction to Gerontology
Old code 2551U. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. Classes: Independent learning package; external distance mode. Assessment: three assignments. This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. Topics include demographic ageing, social and professional attitudes and values, retirement, public policy, ageing and health, aged care.
Textbooks

BACH 5042 Teaching Clinical Reasoning
Old code 2551V/2551WX. 6 credit points. Ms Victoria Neville, (02) 9351 9116. Offered: July. Classes: Night classes; independent learning packages and email support. Assessment: (non exam) assignment based.
Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.
Distance education and on-campus mode (night classes) with independent learning packages, email and web support. Assessment is (non exam) assignment based.
Textbooks

BACH 5044 Implementing Distance Learning
This elective builds on Distance Learning. You develop skills formulating distance course proposals, structuring materials;
selecting and integrating media; promoting interactivity; and tackling the writing process for distance packages. Studies are by independent learning packages with teleconferences and webwise.

**BACH 5047 Teaching with Reduced Resources**
Old code 25520. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning package; for on-campus and off-campus (no classes). Assessment: essays, observation report (no exam).

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

Practical: Video of self-practicing skills.

**Textbooks**
None prescribed

**BACH 5058 Residential Care Policies and Services**
Old code 25528/25568. 6 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: February, July. Classes: Independent Study Package. E-mail and web support. This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.

**BACH 5059 Sociology of Gender Relations**
Old code 2552C. 6 credit points. Classes: Contract learning. This elective examines research perspectives concerning gender relations within the structure of industrial capitalism, with particular focus on relations of power, the sexual division of labour, sexuality, the social construction of gender, production and reproduction and family.

**BACH 5063 Therapy with Children, Adolescents and their Families**
Old code 2552G. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Pepper, (02) 9351 9589. Offered: February, July. Classes: Contract learning. Assessment: assignments. Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

**Textbooks**

**BACH 5085 Clinical Teaching and Supervision**

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

Distance education and on campus mode night classes with independent learning packages; email and web support. (If there are insufficient on-campus enrolments, the unit may be offered by distance only.)

**Textbooks**

**BACH 5101 Distance Learning**

Participants investigate contemporary distance and flexible education, examining both policy and practice, using a systems approach. They develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they also investigate one or more delivery media and critically evaluate its contribution to specified teaching/learning situations.

**BACH 5116 Developing a Web-based Education System**
Old code 2553Y/2553YX. 6 credit points. Ms Victoria Neville, (02) 9351 9116. Offered: July. Assumed knowledge: Basic computer skills. Classes: Web-based (distance and on-campus mode (night classes)). Assessment: assignment based (non exam).

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

**Textbooks**

**BACH 5118 Learning in Groups**
Old code 25540/25540X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February. Classes: Independent learning package; on-campus (held weekly) and off-campus. Assessment: assignment based (non exam).

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

**Textbooks**
Various suggested

**BACH 5127 Teaching with Technology**

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 them.

Distance education and on campus mode (night classes) with independent learning packages and web and email support. (If insufficient on-campus enrolments, then may be offered by distance only.)

**Textbooks**

**BACH 5128 Educational Innovation Project A (Health Science Education Only)**
Old code 2554A/2554AX. 6 credit points. Ms Victoria Neville, (02) 9351 9118 and subject specialists where relevant. Offered: February. Classes: Learning contract. Assessment: report based. This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.
Supervised project available in distance education and on campus mode (night classes) with email support.

**BACH 5129 Educational Innovation Project B (Health Science Education Only)**
Old code 2554B/2554BX. 6 credit points. Ms Victoria Neville, (02) 9351 9118 and subject specialists where relevant. Offered: July. Assumed knowledge: Educational Design BACH 5002 (25501/25501X). Classes: Learning contract. Assessment: report based. This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

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

**BACH 5138 Abnormal Psychology and Mental Health**
Old code 2554K/2554KX. 6 credit points. Dr Chris Lennings, (02) 9351 9587. Offered: February, July. Prerequisite: Undergraduate Psychology Units. Classes: Contract learning (Semester 1); external/distance mode (Semester 2). Assessment: five case studies; literature review.

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

*Textbooks*

**BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy**

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

*Textbooks*

**BACH 5140 Biofeedback**

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.

**BACH 5141 Cognitive Function in Neurological Disorders**

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

**BACH 5143 Counselling**
Old code 2554P/2554PX. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July. Prerequisite: Undergraduate Psychology Units. Classes: Class attendance required (Semester 1); Distance Learning (Semester 2). Assessment: audio-tape; literature review.

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

*Textbooks*

**BACH 5147 Psychology of Ageing**
Old code 2554U. 6 credit points. Dr Steve Cumming, (02) 9351 9404, and Dr Lynn Harris, (02) 9351 9162. Classes: Contact learning.

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

**BACH 5148 Health Policy and Social Theory**
Old code 2554V. 6 credit points. Mr Dennis McIntyre, (02) 9351 9567. Classes: Contract learning.

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

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

**BACH 5149 Ageing and Australian Society**

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 age­
ing and the position of elderly people in Australian society.

BACH 5151 Independent Investigation I

This elective will develop an ability to evaluate the efficiency of proposed processes of social change in health care systems, and will develop an understanding of the abilities of individual participants to pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

BACH 5153 Assessment of Learning

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

Distance education and on campus mode night classes with independent learning packages, email and web support.

Textbooks
No prescribed text

BACH 5162 Introduction to Medical Anthropology

This unit provides an introduction to the perspective's of medical anthropology as well as providing a historical analysis of its development as a new sub-discipline.

BACH 5164 Occupational Health
Old code 2555D. 6 credit points. Dr Carol O'Donnell and Ms Kate O'Loughlin. Offered: February, July. Classes: Contract learning. Assessment: two assignments (2000 words and 4000 words). This unit teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers' compensation, rehabilitation and re-training. Students will be required to gain access to a workplace and develop a prevention program proposal based on identification of risks and provision of strategies for their control.

Practical: Yes

BACH 5165 Post Trauma Stress

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

BACH 5172 Social Change and Health Services

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.

BACH 5174 Social Theory and Special Groups
Old code 2555N. 6 credit points. Dr Rosemary Cant, (02) 9351 9560 and Ms Kate O'Loughlin, (02) 9351 9571. Offered: February, July. Classes: Contract learning.

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

BACH 5178 Stress and Disability

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

BACH 5180 Stress and Illness

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

Textbooks

BACH 5182 Visualisation and Imagery

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.

BACH 5186 Graduate Skills for Professional Development

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

Textbooks
Chapter 13 - Electives

BACH 5196 International Health: Sociological Analysis
This unit aims to provide students with an understanding of psycho-social and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and life expectancy; and analyses the current health issues and health priorities in developed and developing countries.
Textbooks
Materials from various sources

BACH 5198 Contemporary Issues I
Old code 2556C. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July. Prerequisite: Undergraduate Psychology Units or Psychology for Graduate Students. Classes: Contract Learning or Distance Mode. Assessment: four annotated bibliographies and one literature review.
This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.
Textbooks
Readings (supplied)

BACH 5200 Contemporary Issues II
Old code 2556E. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: July. Prerequisite: Contemporary Issues I BACH 5198 (2556C). Classes: Contract Learning/Distance. Assessment: four annotated bibliographies and literature reviews.
This unit will enable students to study in depth two areas of special interest related to child and adolescent health and adjustment not previously studied in Contemporary Issues I. These two areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.
Textbooks
Readings supplied

BACH 5208 Introduction to Computers & the Internet
Old code 2556M. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Dr Zakia Hossain, (02) 9351 9340. Offered: February, July. Assumed knowledge: Familiarity with Windows. Prohibition: Computing Applications for Health Practitioners BACH 3103 (253B7). Classes: Contract learning. Assessment: 1 assignment. This unit introduces the student to the use of computers for research, educational, and professional purposes. Important computer concepts will be covered, however the emphasis will be on developing practical computer skills. Skills covered will include the rudiments of computer programming; the use of popular applications such as word processors, spreadsheets and databases; and the use of the Internet as a research and communications tool.
Practical: 1 project

BACH 5212 Multicultural Issues in Gerontology
This unit examines what it means to be old in a country whose language, expectations for aged behaviour and types of support available, differ from those of their country of origin. The impact of immigration policy and services provision will be analysed.
Textbooks
Materials from various sources

BACH 5213 Law and the Health Services
Old code 2556R. 6 credit points. Dr Judith Mair, (02) 9351 9126. Offered: July. Classes: 2 hours alternate weeks. Assessment: assignment and seminar presentation.
This unit aims to equip providers of health services with knowledge of the legal framework for the delivery of health services in Australia together with law relevant to the client base. The unit will cover legal issues including children, childbirth, older people, the mentally ill, those addicted to drugs or alcohol, and people with intellectual and physical disabilities. The unit will also cover laws protecting safety and compensation for accidents in the home, at work and transport related. This unit is available on-campus and regular group discussions will be held on a fortnightly basis.
Textbooks
List of references to be supplied.

BACH 5216 Behavioural Aspects of Ageing
Old code 2556U. 6 credit points. Dr Steve Cumming, (02) 9351 9404. Classes: Independent learning package; external/distance mode.
Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people.

BACH 5224 Organisational Management
Old code 25572/25572X. 6 credit points. Dr Barbara Adamson, (02) 9351 9579 and Dr Rosemary Cant, (02) 9351 9560. Offered: July. Classes: on-campus or off-campus. Assessment: continuous assessment using case study approach.
This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd’s elements of management as a springboard for the analysis of changing functions of a successful manager.
Textbooks

BACH 5226 Organisational Structures in Health Contexts
Old code 25574. 6 credit points. Dr Rosemary Cant, (02) 9351 9560. Classes: Contract learning.
This unit focuses on rational structuring of organisations and relates it to administrative problem solving. It examines the effects of societal context on organisational growth and the interdependence between layers or sectors of organisations. It contrasts the characteristics of private, public sector and voluntary organisations and uses power and interests as analytic concepts to elucidate process. This unit is offered on-campus as a direct-ed independent study unit.

BACH 5228 Computers for Teacher Productivity
Old code 25576. 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February. Classes: Class attendance required; weekly classes, on-campus only. Assessment: (non exam) assignment based.
This unit provides opportunities for participants to explore and develop skills in the ways computers are used to enhance the productivity of health science educators. It focuses on the selection and use of the appropriate computer application software to create written and graphic teaching materials, create databases and spreadsheets for teaching administration purposes, search journal databases stored on CD-ROM, and the internet.

BACH 5236 Motor Learning
Old code 2557E. 3 credit points. Dr Roger Adams (02) 9351 9275. Offered: July. NB: For Exercise and Sport Science students only.
This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice skill differences in pattern recognition and
movement production, simultaneous multi-task performance; attention, effort and resources; planning and controlling movements; hemispheric specialisation; memory for movements; imagery and mental rehearsal; practice and automatisation; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

BACH 5238 Psychosocial Aspects of Sport
Old code 2557G. 4 credit points. Mr Ian Andrews (02) 9351 9588. Offered: July. Classes: Contract learning.
The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete selflessness and burnout; stress, injury and psychological rehabilitation.
The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

BACH 5243 The Sociology of Deviance
This unit will use the paradigms developed by the theoretical approach to the sociology of deviance to examine adolescent behaviour in relation to substance abuse, homelessness and other non-traditional lifestyles. This unit will incorporate an historical approach to community breakdown, social control, the effects of media imagery and the changing approaches of social control agents such as governments, the legal system, law enforcement officers and medical personnel. An analysis of legislation and of royal commission findings will be made using structural and interactional theories.

BACH 5248 Subcultural and Cross Cultural Issues: The Costs of Marginality
Much work has been done illuminating the different courses taken in the development of self-concept and self-esteem in minority group children and adolescents. This unit will consider the child and adolescent in cultural context, revealing the relative nature of the concept of 'adjustment' and exploring the particular challenges faced by migrant and refugee children and adolescents as well as those of indigenous minority groups. Possible interventions will be discussed in easing adjustment required by cultural transitions. The different social effects of similar behaviours evidenced by different cultures will be discussed with special emphasis on the criminalisation of self-destructive behaviours in some cultural groups. Avenues of social change and service provision will be explored.

Textbooks
Materials from various sources

BACH 5254 Motor Performance and Learning
Old code 2557W. 3 credit points. Mr Roger Adams, (02) 9351 9279. The aim of this unit is to study, in-depth, the factors influencing skill acquisition, skill rehearsing and skill performance and their role in modifying inappropriate, but automated motor behaviours. These may need to be changed in response to disease or continuing injury, in order to improve functional outcome and/or prevent further injury. Topics to be covered include: motivation/goal setting; operant behavioural approach; optimising the benefits of physical practice; attention, concentration and arousal; mental practice; awareness during performance; feedback and evaluating the effectiveness of strategies designed to modify inappropriate, but automated movement behaviours.

BACH 5268 Disability and the New Genetics
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. The unit will examine the role of environmental factors in the health of humans will be investigated with special emphasis on nutrition. Practical: Yes.

BACH 5280 Disability and the Community
Old code 2558V. 6 credit points. Dr Toni Schofield, (02) 9351 9577. Classes: Contract learning.
This unit explores the health and health care experiences of Australians from non-English speaking backgrounds (NESB). It does so by examining the concept of cultural diversity in health in relation to structures of class, gender and ethnicity. The unit will be presented in contract learning mode with individual student consultations. Assessment will be an essay, and topics will be decided through negotiation between the unit coordinator and the student.

BACH 5289 Disability and the Community
Old code 2558W. 6 credit points. Classes: Contract learning.
This unit examines the influence of current research into the genetic basis of disability and disease on the community and in health care settings. Students will be encouraged to focus their study on a particular segment of the community (ie health professionals, different ethnic groups or media) and examine that group’s attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie women, children or people with a specific condition). The underlying aim will be for students to develop strategies for improving attitudes in their
chosen area. Some of the topics covered will be definitions of disability and handicap, models of disability (medical, social, psychological, psychosocial), origins of attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability.

**BACH 5290 Organisational Psychology**
Old code 2558W/2558WX, 6 credit points. Dr Barbara Adamson, (02) 9351 9579. Classes: Contract learning; external/distance mode.

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

**BACH 5291 Occupational Rehabilitation**
Old code 2558W/2558XX, 6 credit points. Dr Carol O'Donnell, (02) 9351 9580, and Ms Kate O'Loughlin, (02) 9351 9531. Offered: Full year. Assessment: two assignments (2000 words and 4000 words).

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stakeholders in the management of workers in the post-injury phase. Students will be required to interview an injured worker and evaluate the extent to which their experience after injury was consistent with good management practice, current legislative requirements and the public interest.

Practical: Yes.

**BACH 5292 Art Therapy I**

Art Therapy offers principles, processes and practice in art-imagery therapy at an introductory level. Art Therapy is seen as an integration of nonverbal and verbal processes; and an integration of psychological therapies with creative expressive processes. The orientation presented is eclectic and is based on theories of imagery, perception, and non-interpretive therapy. The focus is on practice and skills attainment and an understanding of why and how these art therapy processes are used within the overall client plan. Counselling experience is preferred. This unit is conducted over 3 to 4 weekends.

**BACH 5294 Counselling Practicum**

The practicum serves to ensure students are able to use the skills of counselling in real situations. The unit also provides students with their initial experiences of supervision.

Practical: Counselling clients.

**BACH 5305 Risk Management and Rehabilitation Policy**
Old code 2559B/2559BX, 6 credit points. Dr Carol O'Donnell, (02) 9351 9580 and Ms Kate O'Loughlin, (02) 9351 9531. Offered: Full year. Classes: Contract learning; external/distance mode.

Assessment: two assignments (2000 words and 4000 words).

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

Practical: Yes.

**BACH 5306 Health Risk Management (International Perspectives)**

This unit aims to provide students with an understanding of the requirements of basic health risk management in the context of the principles adopted by the Asia/Pacific Economic Cooperation (APEC) Agreement and other relevant international standards and agreements. Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health, work and rehabilitation also addressed. Students develop a program for controlling risks to health in a particular regional environment in the light of these international and national requirements.

Practical: Yes.

**BACH 5308 Children's Health and Welfare Policy**

Using data to assist identification of risks to children's health and welfare, and through an assessment of existing legislation and/or services related to risk control, students will design a program for the delivery of a health or social welfare service for children which aims to improve upon current service delivery structures and their outcome.

**BACH 5309 Psychological Assessment of Children and Adolescents**
Old code 2559F, 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Diana Kenny, (02) 9351 9644. Offered: July. Prerequisite: Undergraduate Psychology Units; Psychology of Children and Adolescents. Classes: Contract learning. Assessment: case study and literature review.

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

Practical: Observation of assessment and use of psychological tests.

**Textbooks**

**BACH 5313 Child and Adolescent Psychology**
Old code 2559J, 6 credit points. Dr Diana Kenny, (02) 9351 9644. Prerequisite: Undergraduate Psychology Units. Assessment: literature review.

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

**Textbooks**

**BACH 5317 ArtTherapy**

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

**BACH 5319 Health, Population and Policy Development**

Old code 2559P. 6 credit points. Dr Zakia Hossain, (02) 9351 9340. 
**Offered:** July. **Classes:** Contract learning. **Assessment:** assignment.

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

**Textbooks**

Materials from various sources

**BACH 5321 Psychology for Graduate Students**

Old code 2559RX. 6 credit points. Dr Chris Lenngings, (02) 9351 9587. 
**Offered:** Full year. **Classes:** External/distance mode. 
**Assessment:** Literature review.

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

**Textbooks**


**BACH 5322 Sociology for Health Professionals**

Old code 2559S/2559SX. 6 credit points. Mr Dennis McIntyre, (02) 9351 9567, and Dr Ian Hughes, (02) 9351 9582. **Classes:** Contract learning; external/distance mode.

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

**BACH 5323 Advanced Counselling Skills**

Old code 2559T/2559TX. 6 credit points. Dr Chris Lenngings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. **Offered:** July. 
**Prerequisite:** Counselling. **Assumed knowledge:** Basic counselling skills. **Classes:** Contract learning. **Assessment:** case study analysis.

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

**Textbooks**


**BACH 5324 Psychotherapy**

Old code 2559V. 6 credit points. Dr Chris Lenngings, (02) 9351 9587 and Prof Diana Kenny, (02) 9351 9644. **Offered:** July. 
**Prerequisite:** Counselling. **Corequisite:** Advanced Counselling. **Classes:** Contract learning. **Assessment:** detailed case plan.

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

**Textbooks**


**BIOS 5018 Health, Dysfunction and Ageing**

Old code 11433X. 6 credit points. Dr Ron Bialvane, (02) 9351 9530. 
**Offered:** July. **Classes:** Directed. **Assessment:** written assignment, independent study.

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

**BIOS 5041 Biological Aspects of Ageing**

Old code 11502X. 6 credit points. Dr Ron Bialvane, (02) 9351 9530. 
**Offered:** July. **Classes:** Independent learning package. **Assessment:** written assignment.

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

**BIOS 5049 Body Function for Health Professionals**

Old code 11514.4 credit points. Dr Jennifer Lingard, (02) 9351 9527. **Offered:** July. **Classes:** Directed independent study. 
**Assessment:** written examination and assignment.

This unit of study is designed for students who wish to expand their knowledge of the factors affecting human function in health and disease. It will help students to understand how body function affects day to day activities of living. The subject will be taught from a functional viewpoint, making it suitable for all students, regardless of their existing knowledge of physiology or anatomy.

The major body systems to be studied are the cardiovascular and respiratory systems. The other major units of study are pharmacology (examining the therapeutic benefits and side effects of commonly used drugs, compliance and adverse reactions), and disease and infection control.

The focus will be on the function of the healthy body, and the implications of dysfunction in each of the systems studied. Development and ageing will be studied.

**BIOS 5050 Clinically Oriented Musculoskeletal Anatomy**

Old code 11515.4 credit points. Ms Catherine Willis, (02) 9351 9458. **Offered:** February. **Classes:** On-campus; Independent Learning Package. **Assessment:** written examination and assignment.

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the Musculoskeletal System of the human body. The structures studies have been carefully selected to support the knowledge required by health practition-
ers and there is particular emphasis on the practical applications of the knowledge within the framework of clinical situations. There is scope within this unit of study for detailed investigation of areas of the body, including histology and embryology where the knowledge is relevant to a particular health profession. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, tutorials, practical classes, CD-ROM based learning support packages and self-directed learning.

Textbooks
Clincially Oriented Anatomy. Moore.

BIOS 5051  Function and Dysfunction of Body Systems
Old code 11516.6 credit points. Dr Jennifer Laggard, (02) 9351 9527. Offered: July. Classes: On campus 4 hours/week. Instructional methodology will include: independent study modules supplemented by some lectures and tutorials, by off-campus mode from 2002. Assessment: written examination and by integrative assignment.

Disorders in many body systems can seriously affect an individual’s ability to manage the activities of daily living. This unit will present the key roles of the kidney, gastrointestinal system and endocrine glands in maintaining homeostasis in the body. It will cover both normal function and the effects of dysfunction. The unit will also present an overview of normal reproductive function and dysfunction that will give the student insight into problems with the reproductive system, and serve to underpin the elective on sexuality.

The unit is designed to increase students’ understanding of normal body function and dysfunction and enhance their ability to work within health care teams. It is suitable for students wishing to broaden their knowledge of the effects of compromised body function on health and daily living. It will provide an opportunity for students to apply their related physiological knowledge and to integrate it with the study of function and problems of dysfunction in several body systems.

The knowledge gained will also provide a strong foundation for other electives in biomedical sciences and for other related aspects of a student’s course.

EXSS 5029  Applied Physiology
Old code 22529.6 credit points. Mr Tom Quinn, (02) 9351 9569. Offered: February. A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology. Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiovascular, respiratory, metabolic, renal, neuromuscular and thermoregulatory responses to exercise. The effects of thermal and hypoxic environmental stresses on exercise responses are then considered. The unit will also present an overview of normal reproductive function and dysfunction that will give the student insight into problems with the reproductive system, and serve to underpin the elective on sexuality.

Textbooks
Skeletal muscle structure and function. Leiber, R.L.

EXSS 5035  Applied Biomechanics Old code 22535.6 credit points. Mr Peter Sinclair. Offered: July. Classes: on-campus 4 hours/week. Assessment: assignment and examinations.

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

Practical: Practical assignment included.

Textbooks
Introduction to Sports Biomechanics. Bartlett, R.

HIMT 5005  Introduction to Data Processing and Microcomputers Old code 09425.2 credit points. Angelika Lange, (02) 9351 9570. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces students to microcomputers and mainframe computers and also deals with the history of computer technology, introduction to computer hardware and concepts, use of microcomputers and applications software. Areas studied include MS-DOS, WINDOWS, a spreadsheet package, and a database package.

HIMT 5012  Introduction to Programming and Database Design Old code 09445.4 credit points. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces students to the third generation programming language PASCAL, Nixi-nee-dieerman diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester they learn to use the database language SQL and to design a new database in CRS (Clinical Report System).

HIMT 5018  Health Care Evaluation Old code 09470.2 credit points. Joanne Callen, (02) 9351 9494. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are introduced to the concepts of quality health care. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, and clinical indicators. Approaches to improve quality of care such as practice guidelines are discussed. Program evaluation principles will be addressed. Techniques and methodologies for assessing care, along with elements of an effective evaluation program and sources of information for use in evaluation are discussed.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

HIMT 5019  Introduction to Casemix Old code 09501.6 credit points. Prof Beth Reid, (02) 9351 9494. Offered: February. Classes: Attendance required. Night classes (classes will be held one evening per week).

The purpose of this unit is to introduce the concepts, which underpin the design and use of casemix systems. The major emphasis is on the Australian National Diagnosis Related Groups (AN-DRGs) used in acute hospitals. However, the issues surrounding the use of casemix systems for non-acute inpatients and ambulatory patients are also analysed. The unit includes an introduction to the concepts of several applications of casemix information, but the details related to paying for care based on casemix are explored in the unit CaseMix Funding and Financial Management. The current casemix initiatives of the Commonwealth, States and at the hospital level are explored along with likely future developments.
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HIMT 5021  Casemix Funding and Financial Management
Old code 09506.6 credit points. Prof Beth Reid. Offered: July. 
Classes: Attendance required. Classes will be held one evening per week.

This unit is concerned with one of the main applications of casemix data, paying hospitals on the basis of their output. The various models used for casemix based payment systems in Victoria, Queensland and South Australia are explored. The unit explains the methods used to cost the activities of hospitals and set the prices of the AN-DRGs. Differences in the population and casemix based funding approaches are examined with special reference to experiences with integrating the two in NSW and Queensland. In addition, the potential role of casemix in a provider-purchaser split funding model is also considered. A casemix management game is used to provide insight into the potential impact of casemix based funding at the hospital level. The unit also examines the issues surrounding the use of casemix based budgeting within hospitals.

HI MT 5023  Fundamentals of Medicine and Medical Terminology
Old code 09505.6 credit points. Enquiries (02) 9351 9494. Offered: July. 
Classes: off-campus.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

HIMT 5025  Clinical Data Management and Clinical Trials
Old code 09507.6 credit points. Enquiries (02) 9351 9494. Offered: February. 
Classes: off-campus.

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

HIMT 5026  Database Systems
Old code 09508.6 credit points. Ms Angelika Lange, (02) 9351 9570. Offered: June (enquiries to be made in May).

This unit covers the study of relational database design, using SQL, Microsoft Access and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system. It also introduces the student to Systems Analysis and Design, which includes the system life cycle, data flow diagrams, data dictionaries, cost/benefit analysis, scheduling (PERT and CPM) techniques, system testing and conversion, and data security.

This unit is offered by distance mode, however, preliminary tuition is given during a Residential that is held on-campus in the last week of June. Students wishing to commence this unit in Semester 2 should contact the School no later than the first week of June in order to receive information about the Residential.

HIMT 5027  Introduction to Epidemiology
Old code 09509.6 credit points. Enquiries (02) 9351 9494. Offered: February. 
Classes: off-campus.

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

HIMT 5031  Law and Health
Old code 09513.3 credit points. Tina Magennis, (02) 9351 9566. 
Offered: July (no commencing students from 2001). Classes: on-campus 3 hours/week. Attendance required; day classes. 
Assessment: class test and final examination.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

Textbooks

HIMT 5032  Human Resource Management
Old code 09514.2 credit points. Ms Joanne Callen, (02) 9351 9494. 
Offered: February (no commencing students from 2001). Classes: on-campus. Attendance required; day classes. 
Assessment: assignments.

This unit is designed to introduce the student to the human resource management functions relevant to the work of the Health Information Manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The industrial relations framework in Australia with particular emphasis on the current workplace focus and conflict resolution are covered and students are also taught to prepare their own curriculum vitae.

Unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

HIMT 5033  Financial Management in Health Care Facilities
Old code 09515.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are introduced to the financial management of hospitals and health care institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process, types of budgets and auditing. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 5035  Health Care Systems
Old code 09517.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

HIMT 5041  Introduction to Management Principles
Old code 09523.2 credit points. Ms Tina Magennis, (02) 9351 9566. 
Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit is designed to introduce postgraduate students to the concept of management and the application of management knowledge to the practice of health information management. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas include total quality management, motivation, organisational communication and the change process. The unit content of Introduction to Management also supports the professional experience component of the course.
Research electives (sorted by code)

AHCD 5046 Evaluation Research
Old code 07546.6 credit points. Dr Freidoon Khavarpour, (02) 9351 9127. Offered: February. Classes: Contract learning.
In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services. Empowering and critical approaches will be included.

AHCD 5047 Evaluation Research
Old code 07547.8 credit points. Dr Freidoon Khavarpour, (02) 9351 9127.
In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services empowering and critical approaches will be included.

AHCD 5048 Action Research
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Participatory action research extends knowledge and improves social practice through processes, which empower ordinary people. Action Research projects proceed through cycles of planning, acting, observing and reflecting with the participation of the people affected by the practices under consideration.

AHCD 5049 Action Research
Old code 07549.8 credit points. Dr Freidoon Khavarpour, (02) 9351 9127.

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting with the participation of the people affected by the practices under consideration. Students may study through independent learning and the internet.

BACH 4001 Introduction to SAS
Old code 25400.6 credit points. Dr Zaka Hossain, (02) 9351 9340 and Dr Kaye Brock, (02) 9351 9124. Offered: February.

This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data management and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

BACH 4005 Introduction to SAS
Old code 25404.8 credit points. Dr Zaka Hossain, (02) 9351 9340 and Dr Kaye Brock, (02) 9351 9124. Offered: February.

This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data management and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

BACH 5011 Survey Research Methods
Old code 25510.6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Kate O'Loughlin (02) 9351 9589. Offered: February, July.

Classes: Contract learning; night classes.

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

BACH 5050 Issues in Educational Research

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.

Textbook
Non prescribed

BACH 5053 Research Elective Independent Study

NB: For Health Science Education students only.

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

BACH 5061 Statistical Analysis with SPSS
Old code 2552E. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Peper, (02) 9351 9589. Offered: February, July.

Classes: Contract learning including a small number of on-campus.

Assessment: practical assignments.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

Textbooks

BACH 5066 Developing a Research Project
Old code 2552J. 8 credit points. Ms Kate O’Loughlin. Classes: Attendance required; externally/distance mode.

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

BACH 5094 Issues in Educational Research
Old code 2553C. 8 credit points. Ms Fran Everingham, (02) 9351 9116. Classes: Contract learning.

This unit explores issues in educational research, including using theories and conceptual frameworks to help deal with multiple dimensions of the educational process, and considers some of the methodologies used in educational research.

BACH 5096 Research Elective Independent Study
Old code 0854A. 8 credit points. Ms Fran Everingham, (02) 9351 9116.

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

BACH 5098 History and Philosophy of Scientific Methodology
Old code 2553G. 8 credit points.

This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.
BACH 5100 Epidemiological Research
Old code 25331.8 credit points. Dr Kaye Brock, (02) 9351 9124.
Offered: February, July. Prerequisite: Some undergraduate research methods. Assumed knowledge: Basic research methods.
Classes: on-campus 3 hours/week. Assessment: assignments and examination.
In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis. A guided epidemiological review of the students research interest will be undertaken in this subject. Statistical methods in epidemiological data analysis will be reviewed. Textbooks
Epidemiology in Medicine. Hennekens & Buring.

BACH 5240 Research Methods
Old code 25571.3 credit points. Dr Peter Choo, (02) 9351 9583.
NB: Exercise and Sports Science only.
Familiarity is assumed with basic descriptive and inferential methods. These basic methods are expanded upon with the major focus being on problem solving with a view to extracting meaning from data. The emphasis is on practical application of methodologies with extensive use made of modern statistical software. The nexus between design and analysis is stressed using a linear model approach to demonstrate the partitioning of variance and the behaviour of random error. Single and multiple variable models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

BACH 5253 Intermediate Statistics
Old code 2557V. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Dr Zakia Hossain, (02) 9351 9340. Offered: February, July.
In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 5256 Multivariate Statistics
Old code 2557Y. 6 credit points. Dr Peter Choo, (02) 9351 9583.
Prerequisite: Intermediate Statistics (10503), or equivalent.
Classes: Contract learning.
This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 5268 Developing a Research Project
Old code 2558AX. 6 credit points. Kate O'Laughlin, (02) 9351 9531.
Classes: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.
This unit provides an overview of the research process and focuses 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 epidemiological and evaluation research are introduced.

BACH 5285 Research Design
This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

BACH 5298 History and Philosophy of Scientific Methodology
Old code 25594.6 credit points. Dr Rod Rothwell, (02) 9351 9122.
Offered: February. Assessment: two assignments (1000 words and 2000 words).
This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Textbooks

BACH 5302 Epidemiological Research
Old code 25598.6 credit points. Dr Kaye Brock, (02) 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. Textbooks
Epidemiology in Medicine. Hennekens & Buring.

BACH 5310 Research Methods I: Design
Old code 2559G. 2 credit points. Dr Rob Heard, (02) 9351 9498.
This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

BACH 5311 Research Design
Old code 2559H. 8 credit points. Classes: External/distance mode.
This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.
These include: epistemological and historical accounts of science; research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

**BACH 5312 Intermediate Statistics**
Old code 25591.8 credit points. Dr Peter Choo, (02) 9351 9583, and Dr Zakia Hossain (02) 9351 9340. Offered: Full year. Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. Assumed knowledge: Basic statistics and research design. Classes: on-campus. Night classes. Assessment: written reports and written examination.

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

**BACH 5314 Multivariate Statistics**
Old code 2559K. 8 credit points. Dr Peter Choo, (02) 9351 9583. Prerequisite: Intermediate Statistics (15003), or equivalent. Classes: Night classes; Contract learning.

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

**BACH 5315 Survey Research Methods**
Old code 2559L. 8 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Katie O'Loughlin (02) 9351 9340. Offered: Full year. Classes: Contract learning; night classes.

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

**BACH 6042 Qualitative Research Methods**
Old code 25641.8 credit points. Dr Cherry Russell, (02) 9351 9129. Offered: Full year. Classes: Attendance required. 3 hours/week. Assessment: assignments.

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

**DHSC 7001 Theory in the Health Professions**
Old code 26701.6 credit points. Dr Rod Rothwell. Offered: February. Classes: on-campus; external/distance mode. Assessment: three assignments.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects. Textbooks

**DHSC 7002 Research and Inquiry in the Health Professions**
Old code 26702.6 credit points. Classes: on-campus; external/distance mode.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of qualitative and quantitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

**DHSC 7003 Foundations for Doctoral Studies**
Old code 26703.6 credit points. Dr Ian Hughes, (02) 9351 9582. Offered: Full year. Classes: on-campus; external/distance mode. Assessment: continuous.

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data.

There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported.

**Textbooks**
Get Great Information Fast Gernov, J. & Williams, L. Sydney: Allen & Unwin

**HIMT 5017 Epidemiology**
Old code 09468.6 credit points. Enquiries: (02) 9351 9494. Classes: external/distance mode.

This unit introduces the student to epidemiology through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies - and quantitative measures for epidemiological research. This unit also includes data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and presentation in data management.

**HIMT 5046 Casemix Measurement Systems**
Old code 09469.6 credit points. Enquiries: (02) 9351 9494. 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.

**OCCP 5073 Research Design and Methods for Therapists**
Old code 15511.8 credit points. Dr Maureen Fitzgerald.

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 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, selec-
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.

PHTY 5067 Research Elective Independent Study
Old code 16505.6 credit points. Associate Professor Nicholas O’Dwyer, (02) 9351 9385.
NB: For Physiotherapy research students only
This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

PHTY 5094 Research Elective Independent Study
Old code 16529.8 credit points. Associate Professor Nicholas O’Dwyer, (02) 9351 9385.
NB: For Physiotherapy research students only
This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

PHTY 5095 Structuring a Qualitative Research Thesis
Old code 16527.4 credit points. Professor Joy Higgs, (02) 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).
Faculty of Health Sciences Postgraduate Study 2001

Faculty electives (sorted by name)

BACH 5138 Abnormal Psychology and Mental Health
Old code 2554X/25540X: 6 credit points. Dr Chris Lenning, (02) 9351 9587. Offered: February, July. Prerequisite: Undergraduate Psychology Units. Classes: Contract learning (Semester 1); external/distance mode (Semester 2). Assessment: five case studies; literature review.

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

Textbooks

BACH 5001 Adult Learning
Old code 25500/25500X: 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February, July. Classes: Night classes (starts after 4.00pm); external/distance mode; independent learning packages. Assessment: assignment based (non exam).

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

Distance education and on-campus mode night classes with independent learning packages; two optional audioconferences; email support, web support. (If insufficient on-campus enrolments, then may be offered by distance only.)

BACH 5323 Advanced Counselling Skills
Old code 2556T/25569TX: 6 credit points. Dr Chris Lenning, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: July. Prerequisite: Counselling. Assumed knowledge: Basic counselling skills. Classes: Contract learning. Assessment: case study analysis.

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

Textbooks
Principles of Clinical and Counselling Psychology. 3rd Edition. Todd and Bohardt

BACH 5149 Ageing and Australian Society

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.

EXSS 5035 Applied Biomechanics
Old code 22535.6 credit points. Mr Peter Sinclair. Offered: July. Classes: on-campus 4 hours/week. Assessment: assignment and examinations.

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

Practical: Practical assignment included.

Textbooks
Introduction to Sports Biomechanics. Bartlett, R.

EXSS 5029 Applied Physiology
Old code 22529.6 credit points. Mr Tom Gwinn, (02) 9351 9569. Offered: February.

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

BACH 5292 ArtTherapy I

Art Therapy offers principles, processes and practice in art-imagery therapy at an introductory level. Art Therapy is seen as an integration of nonverbal and verbal processes; and an integration of psychological therapies with creative expressive processes. The orientation presented is eclectic and is based on theories of imagery, perception, and non-interpretive therapy. The focus is on practice and skills attainment and an understanding of why and how these art therapy processes are used within the overall client plan. Counselling experience is preferred. This unit is conducted over 3 to 4 weekends

BACH 5317 ArtTherapy II

The nonverbal processes of Art Therapy and Imagery are particularly important in working with the survivors of trauma and traumatic emotions can be encoded in nonverbal imagery. This unit of study will offer students the opportunity to understand and experientially learn skills in some specific Art Therapy and Imagery processes. These processes can be used with adults and children suffering from symptoms of traumatic life experiences.

With the emphasis on experiential skills training, current trauma treatments will be reviewed. This unit is conducted over 3 to 4 weekends

BACH 5153 Assessment of Learning
Old code 25552.6 credit points. Ms Fran Everingham, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July. Prerequisite: Educational Design BACH 5001. Assumed knowledge: Knowledge of Adult Learning and Educational Design is useful. Classes: Independent learning package; external/distance mode. Evening classes held fortnightly for on-campus students. Assessment: two written assignments.

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

Distance education and on-campus mode night classes with independent learning packages, email and web support.

Textbooks
No prescribed text

AHCD 5005 Australian Society and Health
Old code 07565.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Attendance required; night classes.

This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy

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

Textbooks

BACH 5216 Behavioural Aspects of Ageing
Old code 2556U, 6 credit points. Dr Steve Cumming, (02) 9351 9404. Classes: Independent learning package; external/semester mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people.

BACH 5140 Biofeedback

This elective covers the history of the development of biofeedback research, and considers the range of biofeedback modalities used in therapy to alleviate physical health problems. The main modalities examined are those related to the electromyograph, skin temperature, GSR, and the electroencephalograph. Other areas also considered include blood pressure, heart and respiration rate, blood sugar levels, and incontinence. Recent research, exploring other areas, is critically examined.

BIOS 5041 Biological Aspects of Ageing

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

BIOS 5049 Body Function for Health Professionals
Old code 11514.4 credit points. Dr Jennifer Lingard, (02) 9351 9527. Offered: July. Classes: Directed independent study. Assessment: written examination and assignment.

This unit of study is designed for students who wish to expand their knowledge of the factors affecting human function in health and disease. It will help students to understand how body function affects day to day activities of living. The subject will be taught from a functional viewpoint, making it suitable for all students, regardless of their existing knowledge of physiology or anatomy.

The major body systems to be studied are the cardiovascular and respiratory systems. The other major units of study are pharmacology (examining the therapeutic benefits and side effects of commonly used drugs, compliance and adverse reactions), and disease and infection control.

The focus will be on the function of the healthy body, and the implications of dysfunction in each of the systems studied. Development and ageing will be studied.

HIMT 5021 Casemix Funding and Financial Management
Old code 09503.6 credit points. Prof Beth Reid. Offered: July. Classes: Attendance required. Classes will be held one evening per week.

This unit is concerned with one of the main applications of casemix data, paying hospitals on the basis of their output. The various models used for casemix based payment systems in Victoria, Queensland and South Australia are explored. The unit explains the methods used to cost the activities of hospitals and set the prices of the AN-DRGs. Differences in the population and casemix based funding approaches are examined with special reference to experiences with integrating the two in NSW and Queensland. In addition, the potential role of casemix in a provider-purchaser split funding model is also considered. A casemix management game is used to provide insight into the potential impact of casemix based funding at the hospital level. The unit also examines the issues surrounding the use of casemix based budgeting within hospitals.

HIMT 5044 Casemix Measurement Systems

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.

Textbooks
No core text

BACH 5313 Child and Adolescent Psychology
Old code 2556U, 6 credit points. Dr Diana Kenny, (02) 9351 9644. Prerequisite: Undergraduate Psychology Units. Assessment: literature review.

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

Textbooks

BACH 5308 Children's Health and Welfare Policy

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 welfare service for children which aims to improve upon current service delivery structures and their outcome.

HIMT 5025 Clinical Data Management and Clinical Trials
Old code 09507.6 credit points. Enquiries (02) 9351 9494. Offered: February. Classes: off-campus.

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 blind-
This unit has been designed to give students the knowledge and understanding, crossovers and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

BACH 5085 Clinical Teaching and Supervision

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

Distance education and on-campus mode night classes with independent learning packages; email and web support. (If there are insufficient on-campus enrolments, the unit may be offered by distance only.)

Textbooks

BIOS 5050 Clinically Oriented Musculoskeletal Anatomy

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the Musculoskeletal System of the human body. The structures studies have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the practical applications of the knowledge within the framework of clinical situations. There is scope within this unit of study for detailed investigation of areas of the body, including histology and embryology where the knowledge is relevant to a particular health profession. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, tutorials, practical classes, CD-ROM based learning support packages and self-directed learning.

Textbooks
Clinically Oriented Anatomy. Moore.

BACH 5141 Cognitive Function in Neurological Disorders

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

BACH 5036 Community Aged Care

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

AHCD 5020 Community Development
Old code 07520.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning. This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD 5016 Community Health Policy and Services

This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

AHCD 5015 Community Nutrition
Old code 07515.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract learning.

This unit aims to increase knowledge and develop skills of allied health professionals concerning the theory and methods of community nutrition practices and service delivery. A major goal is to enable students to identify and utilise opportunities for appropriate development and integration of community nutrition services within the general health services in which they work.

BACH 5038 The Community Setting and Older People

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

BACH 5228 Computers for Teacher Productivity
Old code 25576.6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: February. Classes: Class attendance required; weekly classes, on-campus only. Assessment: (non exam) assignment based.

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

BACH 5198 Contemporary Issues I
Old code 2556G. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: February, July. Prerequisite: Undergraduate Psychology Units or Psychology for Graduate Students. Classes: Contract Learning or Distance Mode. Assessment: four annotated bibliographies and one literature review.

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

Textbooks
Readings (supplied)

BACH 5200 Contemporary Issues II
Old code 2556E. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Dr Dianna Kenny, (02) 9351 9644. Offered: July. Prerequisite: Contemporary Issues I BACH 5198 (2556G). Classes: Contract Learning/Distance. Assessment: four annotated bibliographies and literature reviews.

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

Textbooks
Readings supplied
Semester 2 should contact the School no later than the first week of June in order to receive information about the Residential.

BACH 5116 Developing a Web-based Education System
Old code 2553Y/2553XY. 6 credit points. Ms Victoria Neville, (02) 9351 9118. Offered: July. Assumed knowledge: Basic computer skills. Classes: Web-based (distance and on-campus mode - night classes). Assessment: assignment based (non exam). Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

Textbooks

BACH 5289 Disability and the Community
Old code 2558V. 6 credit points. Classes: Contract learning. This unit examines definitions of disability and handicap. Of particular importance will be how ways of viewing disability and handicap affect how people with disabilities are treated in the community and in health care settings. Students will be encouraged to focus their study on a particular segment of the community (ie health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie women, children or people with a specific condition). The underlying aim will be for students to develop strategies for improving attitudes in their chosen area. Some of the topics covered will be definitions of disability and handicap, models of disability (medical, social, psychological, psychosocial), origins of attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability.

BACH 5288 Disability and the New Genetics
Old code 2558U. 6 credit points. Classes: Contract learning. This unit examines the influence of current research into the genetic basis of disability and disease on how the community and health professions view health, disability and disease. This unit will look at the role of genetic counselling in health care. Students will also examine how the increasing availability of genetic testing for many genetic disorders will affect individuals and their families. Some of the topics covered will be definitions of genetic counselling, application of genetic counselling to different groups (ie pre-symptomatic testing, diagnostic testing, pre-natal testing), goals of genetic counselling and testing. The unit will examine the different perspectives of health professions in genetic counselling and testing (eg 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 (ie coping strategies for improving community attitudes toward disability).

BACH 5101 Distance Learning
Old code 2553J. 6 credit points. Dr Mary Jane Mahony, (02) 9351 9754. Offered: February. Assumed knowledge: Basic principles of adult learning and educational design. Classes: independent learning package with one phone conference and supported by a website. One optional in-person meeting on the Cumberland Campus. Assessment: three assignments: proforma review of an existing distance/flexible learning situation, reflective journal, and proposal report, no examination.

Participants investigate contemporary distance and flexible education, examining both policy and practice, using a systems approach. They develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they also investigate one or more delivery media and critically evaluate its contribution to specified teaching/learning situations.
BACH 5266 Ecological, Environmental and Nutritional Health
Old code 25588.6 credit points. Dr Carol O’Donnell (02) 9351 9580 and Dr Kaye Brock (02) 9351 9124. Offered: February, July. Classes: Contract learning. Assessment: two assignments (2000 words and 4000 words).

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

Practical: Yes.

BACH 5002 Educational Design

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

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

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

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

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

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

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

HI MT 5045 Epidemiology
Old code 09439.2 credit points. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

This unit introduces the student to epidemiology through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies - and quantitative measures for epidemiological research. This unit also includes data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and presentation in data management.

BACH 5286 Ethnic Minorities and Health Care in Australia
Old code 2558S. 6 credit points. DrToni Schofield, (02) 9351 9577. Classes: Contract learning.

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

BACH 5003 Facilitating Learning


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

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

Practical: Videoed practice of teaching skills in campus workshops or participants setting.

Textbooks

HIMT 5033 Financial Management in Health Care Facilities
Old code 09515.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are introduced to the financial management of hospitals and health care institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process, types of budgets and auditing. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

BIOS 5051 Function and Dysfunction of Body Systems
Old code 11156.6 credit points. Dr Jennifer Lingard, (02) 9351 9527. Offered: July. Classes: On campus flexible mode by independent study modules complemented by some lectures and tutorials, off-campus mode from 2002. Assessment: written examination and by integrative assignment.

Disorders in many body systems can seriously affect an individual's ability to manage the activities of daily living. This unit will present the key roles of the kidney, gastrointestinal system and endocrine glands in maintaining homeostasis in the body. It
will cover both normal function and the effects of dysfunction. The unit will also present an overview of normal reproductive function and dysfunction that will give the student insight into problems with the reproductive system, and serve to underpin the elective on sexuality.

The unit is designed to increase students' understanding of normal body function and dysfunction and enhance their ability to work within health care teams. It is suitable for students wishing to broaden their knowledge of the effects of compromised body function on health and daily living. It will provide an opportunity for students to apply their professional knowledge and to integrate it with the study of function and problems of dysfunction in several body systems.

The knowledge gained will also provide a strong foundation for other electives in biomedical sciences and for other related aspects of a student's course.

**HIMT 5023 Fundamentals of Medicine and Medical Terminology**
Old code 09505.6 credit points. Enquiries (02) 9351 9494. Offered: July. Classes: Off-campus.

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. Predictive symptoms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

**BACH 5186 Graduate Skills for Professional Development**

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

**Textbooks**

**HIMT 5018 Health Care Evaluation**
Old code 09470.2 credit points. Joanne Callen, (02) 9351 9494. Offered: July (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are introduced to the concepts of quality health care. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations in 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.

This unit is taught in block mode (2 full days in Week 1 and 1 full day in Week 4).

**HIMT 5035 Health Care Systems**
Old code 09517.2 credit points. Offered: February (no commencing students from 2001). Classes: Attendance required; day classes.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

**AHCDO513 Health in the Developing World**

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia's neighbours in the Pacific and Southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

**BACH 5148 Health Policy and Social Theory**
Old code 2554V. 6 credit points. Mr Dennis McIntyre, (02) 9351 9567. Classes: Contract learning.

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

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

**AHCDO501 Health Promotion**
Old code 07501.6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: February. Classes: External/distance mode.

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

**BACH 5008 Health Promotion, Planning and Evaluation**

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

**BACH 5306 Health Risk Management (International Perspectives)**

This unit aims to provide students with an understanding of the requirements of basic health risk management in the context of the principles adopted by the Asia/Pacific Economic Cooperation (APEC) Agreement and other relevant international standards and agreements. Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health,
work and rehabilitation also addressed. Students develop a pro-
gram for controlling risks to health in a particular regional envi-
ronment in the light of these international and national require-
ments.
Practical: Yes.

BIOS 5018 Health, Dysfunction and Ageing
Old code 11433X. 6 credit points. Dr Ron Balnaves, (02) 9351 9350.
This unit aims to provide an understanding of the factors re-
sponsible for the increased prevalence with age of certain dis-
eases and impairments, especially those with a tendency to be-
come disabling and a handicap. Particular attention is paid to the con-
tribution of environmental factors to the development of these condi-
tions and to the ways in which such disorders may be
prevented from leading to further disability. The unit also pro-
vides for in-depth study of a specific aspect of individual stu-
dent interest.

BACH 5319 Health, Population and Policy Development
Old code 2559P. 6 credit points. Dr Zakia Hossain, (02) 9351 9340.
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-de-
ographic analysis of changing patterns of mortality and mor-
bidity, nuptiality and fertility in Australia over time and then-
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 analy-
ses in understanding the issues relevant to population change,
health and policy development.

AHCD 5030 Housing and Health
Old code 07530X. 4 credit points. Contact Postgraduate Coordinator,
(02) 9351 9117. Offered: July. Classes: Night classes.
The aim of this unit is to provide students with knowledge and skills in examin-
ating health within the living environment The aim is to equip
students with knowledge and skills in order to examine, evalu-
ate and survey present living conditions within the broad defi-
nition of health. The unit will enable students to plan, develop and
implement housing intervention strategies for health.

EXSS 5030 Human Mechanics
Old code 22530.6 credit points. Mr Peter Sinclair. Offered:
February. Classes: on-campus 4 hours/week. Assessment:
assignment and examinations.
This unit applies the principles of functional anatomy and bio-
mechanics to the analysis of selected activities. The unit aims to
investigate the relationship between anatomical structure and
function particularly in relation to the body during sport and
exercise. Methods of estimation of muscle activity (electromy-
ography) will be used to explore how muscles create the internal
forces in the human body necessary for balance, movement and
protection of joints. The unit will also introduce some basic anal-
ysis of human physical task performance. Offered by full-time
and part-time coursework on-campus with regularly scheduled
classes held in the early evening.
Practical: Practical assignment included.

HIMT 5 03 2 Human Resource Management
Old code 09514.2 credit points. Ms Joanne Callen, (02) 9351 9494.
Offered: February (no commencing students from 2001). Classes:
on-campus. Attendance required; day classes. Assessment:
assignments.
This unit is designed to introduce the student to the human re-
source management functions relevant to the work of the Health
Information Manager. Areas covered include recruitment and
selection, staff appraisal, training and development and human
resource planning. The implications of equal employment and
affirmative action legislation to human resource management are
also covered. The industrial relations framework in Australia
with particular emphasis on the current workplace focus and
conflict resolution are covered and students are also taught to
prepare their own curriculum vitae.

Unit is taught in block mode (2 full days in Week 1 and 1 full
day in Week 4).

BACH 5044 Implementing Distance Learning
Old code 2551V/2251VX. 6 credit points. Ms Fran Everingham, (02)
9351 9116. Offered: July. Assumed knowledge: Distance
Learning. Classes: Independent learning package; external/
distance mode. Assessment: assignment based (non exam).

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

BACH 5024 In-Service and Continuing Education in
Health Services
Old code 25510/25510X. 6 credit points. Ms Fran Everingham, (02)
9351 9116. Offered: July. Assumed knowledge: Adult Learning
BACH 5001 (25500/25500X) and Educational Design BACH 5002
(25501/25501X). Workplace learning an advantage. Classes:
Independent learning packages for all on-campus and off-campus
mode. Evening classes held fortnightly for on campus students if
sufficient numbers. Email support. Assessment: (non exam)
assignment based.

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

Textbooks
Non prescribed

BACH 5015 Independent Investigation I
Old code 25550/25550X. 6 credit points. Ms Fran Everingham, (02)
9351 9116. Offered: February. Prerequisite: Negotiated. Assumed
knowledge: Adult Learning BACH 5001 (25500/25500X) and
Educational Design BACH 5002 (25501/25501X). Classes: Contract

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

BACH 5022 Independent Investigation II
Old code 2551B/2551BX. 6 credit points. Ms Fran Everingham, (02)
9351 9116. Offered: July. Prerequisite: Negotiated. Corequisite:
Adult learning BACH 5001 (25500/25500X) and Educational design
Assessment: negotiated.

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

AHCD 5036 Independent Learning
Old code 07536.4 credit points. Contact Postgraduate Coordinator,

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. Stu-
dents through their own set of objectives and negotiation with
their supervisor identify their learning needs. A set of negota-
tion contract will facilitate this process.

AHCD 5022 Indigenous Family Health
Old code 07522.4 credit points. Contact Postgraduate Coordinator,
learning.

The purpose of this unit is to describe the Family Health within
the context of Aboriginal culture and holistic approach to inter-
vention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

**AHCD 5023 Indigenous Mental Health**  

Mental Health has only recently been acknowledged as a specific health issue for Aboriginal and Torres Strait Islander people. In the past Aboriginal Mental health was treated in the realm of drug and alcohol problems. Indigenous Mental Health does require an insider’s perspective, and a framework for acknowledging the injustices forced upon Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

**AHCD 5035 Injury Prevention**  

This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non-Indigenous contexts.

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**BACH 5196 International Health: Sociological Analysis**  
**Assessment:** project and assignment.

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

**Textbooks**  
Materials from various sources

**HIMT 5005 Introduction to Data Processing and Microcomputers**  
Old code 09425.2 credit points. Angelica Lange, (02) 9351 9570. *Offered:* February (no commencing students from 2001). *Classes:* Attendance required; night classes.  
**Assessment:** (non exam) assignment based.

This unit introduces students to microcomputers and mainframe computers and also deals with the history of computer technology, introduction to computer hardware and concepts, use of microcomputers and applications software. Areas studied include MS-DOS, WINDOWS, a spreadsheet package, and a database package.

**BACH 5202 Introduction to Educational Computing**  
Old code 25519.6 credit points. Ms Victoria Neville, (02) 9351 9118. *Offered:* July. *Classes:* Attendance required; night classes.  
**Assessment:** (non exam) assignment based.

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, including selecting appropriate courseware and developing a small Computer-Assisted Learning package.

(Some basic computer skills would be an advantage). Class size will be limited by the number of computers available.

**HIMT 5027 Introduction to Epidemiology**  
Old code 09509.6 credit points. Enquiries (02) 9351 9494. *Offered:* February. *Classes:* Off-campus.

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

**PHTY 5110 Introduction to Ergonomics**  
Old code 16541.6 credit points. Mr Martin Mackay, (02) 9351 9374. *Offered:* February. *Assumed knowledge:* Undergraduate Ergonomics. Classes: on-campus 2 hours/week, late afternoon or early evening.  
**Assessment:** written report, seminar presentation, peer evaluation.

This unit aims to give the student an overview of the discipline of ergonomics and explores the inter-relationship and relevance of a variety of ergonomic issues in the workplace through analysis and exploration of case study scenarios. Ergonomic concepts explored include a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and work system issues. A problem-based learning approach will be used for content delivery with students working individually and in small groups to acquire and analyse case information and related materials. The tutor will facilitate this learning process. The unit will be assessed by written report and (group) seminar presentation. Peer evaluation, (of each individual’s contribution to the group prob-
This unit is designed to introduce postgraduate students to the concept of management and the application of management knowledge to the practice of health information management. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas include total quality management, motivation, organisational communication and the change process. The unit content of Introduction to Management also supports the professional experience component of the course.

**BACH 5162 Introduction to Medical Anthropology**
Old code 25556B. 6 credit points. Ms Ann Hale, (02) 9351 9578.  
*Offered:* February, July. *Classes:* Contract learning; 4 hours/week.  
*Assessment:* final assignment.

This unit provides an introduction to the perspective of medical anthropology as well as providing a historical analysis of its development as a new sub-discipline.

**HIMT 5012 Introduction to Programming and Database Design**
Old code 99445.4 credit points. Offered: July (no commencing students from 2001).  
*Classes:* Attendance required; day classes.

This unit introduces students to the third generation programming language PASCAL. Nassi-shneiderman diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester they learn to use the database language SQL and to design a new database in CRS (Clinical Report System).

**AHCD 5100 Issues in Community Mental Health**
Old code 075110. 6 credit points. Contact: Postgraduate Coordinator, (02) 9351 9117.  

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 loci: the complex factors involved in achieving integrated service networks, and those involved in providing rehabilitation for people with chronic mental health problems.

**BACH 5039 Large Group Teaching**
Old code 2551S. 6 credit points. Ms Fran Everingham, (02) 9351 9116.  
*Offered:* February. *Assumed knowledge:* Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). *Classes:* Independent learning package; external/distance mode (no classes). *Assessment:* (non exam) assignment based.

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

Distance education and on-campus mode (no classes) with independent learning packages and email support.

**HIMT 5031 Law and Health**
Old code 09513.3 credit points. Tina Magennis, (02) 9351 9566.  
*Offered:* July (no commencing students from 2001). *Classes:* on-campus 3 hours/week. *Attendance required; day classes.*  
*Assessment:* class test and final examination.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner’s Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

**Textbooks**

**BACH 5213 Law and the Health Services**
Old code 2556F. 6 credit points. Dr Judith Mair, (02) 9351 9126.  
*Offered:* July. *Classes:* 2 hours alternate weeks. *Assessment:* assignment and seminar presentation.

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

Textbooks
List of references to be supplied.

BACH 5118 Learning in Groups
Old code 25540/25540X. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: February, Classes: Independent learning package; on-campus (held weekly) and off-campus. Assessment: assignment based (non exam).

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

Textbooks
Various suggested

BACH 5284 Learning in the Workplace

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace. (This unit may be offered by distance only if insufficient on-campus enrolments.)

Textbooks

BACH 5027 Mental Health in Later Life

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

BACH 5236 Motor Learning
Old code 2557E. 3 credit points. Dr Roger Adams (02) 9351 9275. Offered: July.

NB: For Exercise and Sport Science students only.

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

BACH 5254 Motor Performance and Learning
Old code 2557W. 3 credit points. Mr Roger Adams, (02) 9351 9275. The aim of this unit is to study, in-depth, the factors influencing skill acquisition, skill relearning and skill performance and their role in modifying inappropriate, but automated motor behaviours. These may need to be changed in response to disease or continuing injury, in order to improve functional outcome and/or prevent further injury. Topics to be covered include: motivation/goal setting; operant behavioural approach; optimising the benefits of physical practice; attention, concentration and arousal; mental practice; awareness during performance; feedback and evaluating the effectiveness of strategies designed to modify inappropriate, but automated movement behaviours.

BACH 5212 Multicultural Issues in Gerontology
Old code 25560. 6 credit points. Dr Zakia Hossain, (02) 9351 9340. Offered: February, Classes: Independent learning package. Assessment: project.

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

Textbooks
Materials from various sources

BACH 5164 Occupational Health

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

Practical: Yes

BACH 5291 Occupational Rehabilitation
Old code 2598X/2598XX. 6 credit points. Dr Carol O'Donnell, (02) 9351 9580, and Ms Kate O'Loughlin, (02) 9351 9531. Offered: Full year. Assessment: two assignments (2000 words and 4000 words).

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stakeholders in the management of workers in the post-injury phase. Students will be required to interview an injured worker and evaluate the extent to which their experience after injury was consistent with good management practice, current legislative requirements and the public interest.

Practical: Yes

BACH 5224 Organisational Management
Old code 25772/25772X. 6 credit points. Dr Barbara Adamson, (02) 9351 9579 and Dr Rosemary Cant, (02) 9351 9560. Offered: July. Classes: on-campus or off-campus. Assessment: continuous assessment using case study approach.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd's elements of management as a springboard for the analysis of changing functions of a successful manager.

Textbooks

BACH 5290 Organisational Psychology
Old code 2556W/2556WX. 6 credit points. Dr Barbara Adamson, (02) 9351 9579. Classes: Contract learning; external/distance mode.

This unit covers recent topics of interest to students who wish to further their understanding of organisational behaviour. Topics will include: dimensions of personality, occupational choice and personnel selection; work motivation and work satisfaction and their relationship with performance, absenteeism and turnover; organisational change and effective implementation; downsizing and its impact on organisational behaviour and organisational climate; working conditions, for example, shift work and their effects on work performance; and, women and work. This unit is offered on-campus as a directed independent study unit and is available in distance education mode.
BACH 5226 Organisational Structures in Health Contexts
Old code 25574.6 credit points. Dr Rosemary Cant, (02) 9351 9560. Classes: Contract learning.
This unit focuses on rational structuring of organisations and relates it to administrative problem solving. It examines the effects of societal context on organisational structure. It contrasts the characteristics of private, public sector and voluntary organisations and uses power and interests as analytic concepts to elucidate process. This unit is offered on-campus as a directed independent study unit.

BACH 5025 Patient Education
Old code 2551 E2551 EX. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Offered: July. Prerequisite: None prescribed. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning packages for all. Distance and on-campus mode. Evening classes held fortnightly for on campus students if sufficient numbers. Email support. Assessment: (non exam) assignment based.
Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

Textbooks
Non prescribed

MRTY 5056 Patient/Practitioner Communication
This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes may be used to provide practical examples for student study.

Textbooks
No specific text recommended. Primary & secondary library sources to be accessed by student

BACH 5028 Planning and Evaluation
Old code 2551 H. 6 credit points. Dr Ian Hughes, (02) 9351 9562. Offered: July. Classes: Web based on-campus and off-campus. Assessment: continuous. The aim of this unit is to examine the process of planning, evaluating and improving programs and projects. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction.

OCCP 5140 Politics and Power in the Workplace
Old code 15574.3 credit points. Dr Susan Griffin, (02) 9351 9377. Offered: July. Classes: essay, reflective journal and report of a workplace based project. This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of workplace settings will be considered. Students will undertake an independent guided reading program for the 3 unit of study.

Textbooks

OCCP 5141 Politics and Power in the Workplace
Old code 15575.6 credit points. Dr Susan Griffin, (02) 9351 9377. Offered: July. Assessment: essay, reflective journal plus report of a workplace based project.
This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of workplace settings will be considered. Students will undertake an independent guided reading program for the 3 unit of study. Those enrolling in the 6 unit of study will do the reading program in greater depth. In addition to a workplace project negotiated with the lecturer.

Textbooks

BACH 5165 Post Trauma Stress
This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

AHCD 5002 Program Planning and Evaluation
Old code 07502/07502X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.
The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Students will be also become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants’ work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD 5041 Project Development
This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and Community Development.

AHCD 5042 Project Management
Old code 07542/07542X. 4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: External/distance mode.
In this unit, students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

BACH 5309 Psychological Assessment of Children and Adolescents
Old code 2559F. 6 credit points. Dr Chris Lennings, (02) 9351 9584. Offered: July. Prerequisite: Undergraduate Psychology Units; Psychology of Children Adolescents. Classes: Contract learning. Assessment: case study and literature review.
The assessment of children and adolescents requires an understanding of the course and impact that developmental factors play in cognition, personality and behaviour. It requires a capacity to utilise questionnaire as well as text-based assessment schedules. This course expects students to be aware of assessment issues such as psychometric values of testing (reliability and validity), the nature of various tests, and a capacity to interview (children, adolescents, and families). Practical: Observation of assessment and use of psychological tests.

Textbooks
BACH 5321  Psychology for Graduate Students  
Old code 2559FX. 6 credit points. Dr Chris Lennings, (02) 9351 9587.  
Offered: February, July.  
Classes: External/distance mode.  
Assessment: literature review.  
This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour - how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contracts.  
Textbooks  
BACH 5147  Psychology of Ageing  
Old code 2554U. 6 credit points. Dr Steve Cumming, (02) 9351 9404, and Dr Lynn Harris, (02) 9351 9162.  
Classes: Contract learning.  
This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted. This is an on-campus directed independent study unit.  
BACH 5238  Psychosocial Aspects of Sport  
Old code 2557G. 4 credit points. Mr Ian Andrews (02) 9351 9588.  
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 state and burnout; stress, injury and psychological rehabilitation.  
The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.  
BACH 5324  Psychotherapy  
Old code 259NV. 6 credit points. Dr Chris Lennings, (02) 9351 9587 and Prof Diana Kenny, (02) 9351 9644.  
Offered: July. Prerequisite: Counselling, Corequisite: Advanced Counselling.  
Psychotherapy has an ecletic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approach to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy, and teaches students how to develop a therapy plan and integrate assessment and practice with their clients. The Unit is delivered as a series of s six seminars. Assessment requires the students to develop a case plan.  
Textbooks  
BACH 5058  Residential Care Policies and Services  
Old code 2552B/2558BX. 6 credit points. Dr Cherry Russell, (02) 9351 9129.  
This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.  
BACH 5034  The Residential Care Setting and Older People  
Old code 2551N. 6 credit points. Dr Cherry Russell, (02) 9351 9129.  
Offered: February, July. Classes: Independent learning package; external/distance mode. Assessment: three assignments. This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff.  
BACH 5305  Risk Management and Rehabilitation Policy  
Old code 2559B/2559BX. 6 credit points. Dr Carol O'Donnell, (02) 9351 9580 and Ms Kate O'Loughlin, (02) 9351 9531.  
Offered: Full year. Classes: Contract learning; external/distance mode. Assessment: two assignments (2000 words and 4000 words). Students will be taught the basic principles for continuous improvement in health related service delivery. They will produce a risk management plan related to health promotion or consumer protection, or will undertake a critical evaluation of the effectiveness of an individual's occupational rehabilitation. Particular attention will be drawn to the Australian and New Zealand Standards on Risk Management (AS/NZS 4630:1999). Practical: Yes.  
AHCD5027  School Health  
Old code 07527.4 credit points. Contact Postgraduate Coordinator, (02) 9351 9117.  
Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.  
BACH 5172  Social Change and Health Services  
This elective will assist the student to develop an understanding of the processes of social change in health care systems, and will develop an ability to evaluate the efficiency of proposed structural and role changes within the health care system, and the implications of those changes for the quality of health care provided.  
AHCD 5053  Social Justice and Indigenous Health  
Old code 07553X. 6 credit points. Contact Postgraduate Coordinator, (02) 9351 9117.  
Offered: Full year. Classes: External/ distance mode.  
This unit of study focuses on social justice as a fundamental principle in understanding the current situation of Indigenous health in Australia. Concept of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.  
BACH 5174  Social Theory and Special Groups  
Old code 2555N. 6 credit points. Dr Rosemary Cant, (02) 9351 9560 and Ms Kate O’Loughlin, (02) 9351 9531.  
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 gen-
under divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women’s health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

BACH 5322  Sociology for Health Professionals
Old code 2599S/2599SX. 6 credit points. Mr Dennis McIntyre, (02) 9351 9567, and Dr Ian Hughes, (02) 9351 9582. Classes: Contract learning; external/distance mode.
The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues. It will provide opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.

BACH 5243  The Sociology of Deviance
This unit will use the paradigms developed by the theoretical approach to the sociology of deviance to examine adolescent behaviour in relation to substance abuse, homelessness and other non-traditional lifestyles. This unit will incorporate an historical approach to community breakdown, social control, the effects of media imagery and the changing approaches of social control agents such as governments, the legal system, law enforcement officers and medical personnel. An analysis of legislation and of royal commission findings will be made using structural and interactional theories.

BACH 5059  Sociology of Gender Relations
This elective examines research perspectives concerning gender relations within the structure of industrial capitalism, with particular focus on relations of power, the sexual division of labour, sexuality, the social construction of gender, production and reproduction and family.

BACH 5026  Special Investigation
This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

AHCD 5031  Strategic Planning
Strategic planning is vital for the future of health organisations as well as business and government agencies. This elective is designed to provide health professionals with a model and set of tools in order to develop a long range strategic plan for an organisation. Students may use this opportunity to support the writing of a strategic plan for an organisation to which they belong.

BACH 5178  Stress and Disability
This elective examines the incidence of various disabilities. Community perceptions will be examined, including the reasons behind the existence of ‘high profile’, ‘stigma’ and ‘cultural acceptability’ differences across disabilities. Factors associated with living with a disability will be examined, and the relationship of research to individual accounts critically examined.

BACH 5180  Stress and Illness
The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management ‘packages’, such as relaxation, biofeedback, cognitive restructuring and time management. This is an on-campus directed independent study unit.

Textbooks

BACH 5248  Subcultural and Cross Cultural Issues: The Costs of Marginality
Much work has been done illuminating the different courses taken in the development of self-concept and self-esteem in minority group children and adolescents. This unit will consider the child and adolescent in cultural context, revealing the relative nature of the concept of ‘adjustment’ and exploring the particular challenges faced by migrant and refugee children and adolescents as well as those of indigenous minority groups. Possible interventions will be discussed in easing adjustment required by cultural transitions. The different social effects of similar behaviours evidenced by different cultures will be discussed with special emphasis on the criminalisation of self-destructive behaviours in some cultural groups. Avenues of social change and service provision will be explored.

Textbooks
Materials from various sources

BACH 5042  Teaching Clinical Reasoning
Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

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

Textbooks

BACH 5047  Teaching with Reduced Resources
Old code 25520. 6 credit points. Ms Fran Everingham, (02) 9351 9116. Assumed knowledge: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). Classes: Independent learning package; for on-campus and off-campus (no classes). Assessment: essays, observation report (non exam).
This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education. Independent learning packages and email support. Assessment is (non exam) assignment based. Practical: Video of self practising skills.

Textbooks
None prescribed

BACH 5127  Teaching with Technology
Learning materials play an essential role in motivating and enhancing understanding. Access to new technologies for teaching...
is increasing. You consider setting specific issues in the development of teaching materials and practice some techniques for using these.

Distance education and on-campus mode (night classes) with independent learning packages and web and email support. (If insufficient on-campus enrolments, then may be offered by distance only.)

Textbooks


BACH 5063 Therapy with Children, Adolescents and their Families

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

Textbooks


BACH 5182 Visualisation and Imagery

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.

AHCD5007 Women's Health
Old code 07507.4 credit points. Postgraduate Coordinator, (02) 9351 9117. Offered: July. Classes: Contract Learning.

This unit seeks to examine the pattern and source of women’s health in Australia and to critically evaluate health care services for women.

Research electives (sorted by name)

AHCD 5048 Action Research

Participatory action research extends knowledge and improves social practice through processes which empower ordinary people. Action Research projects proceed through cycles of planning, acting, observing and reflecting with the participation of the people affected by the practices under consideration.

AHCD 5049 Action Research
Old code 07549.8 credit points. Dr Freidoon Khavarpour, (02) 9351 9127.

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.

H I M T 5 0 4 6 Casemix Measurement Systems
Old code 09469.6 credit points. Enquiries: (02) 9351 9494. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

BACH 5066 Developing a Research Project

This unit provides an overview of the research process and focuses 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 intervention, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 5268 Developing a Research Project
Old code 2558AX. 6 credit points. Kate O'Loughlin, (02) 9351 9531. Classes: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

This unit provides an overview of the research process and focuses 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 intervention, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced.

BACH 5100 Epidemiological Research
Old code 25581.8 credit points. Dr Kaye Brook, (02) 9351 9124. Offered: February, July. Prerequisite: Some undergraduate research methods. Assumed knowledge: Basic research methods. Classes: On-campus 3 hours/week. Assessment: assignments and examination.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis. A guided epidemiological review of the students research interest will be undertaken in this subject. Statistical methods in epidemiological data analysis will be reviewed. Textbooks

Crisp, Epidemiology in Medicine. Hennekens & Buring.

BACH 5302 Epidemiological Research
Old code 25598.6 credit points. Dr Kaye Brook (02) 9351 9124. Offered: Full year. Prerequisite: Some Undergraduate research methods. Assumed knowledge: Basic research methods. Classes: on-campus 3 hours/week. Assessment: assignments and examination.

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

Crisp, Epidemiology in Medicine. Hennekens & Buring.

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.
Faculty of Health Sciences Postgraduate Study 2001

H I M T 5 0 1 7 Epidemiology
Old code 09466.8 credit points. Enquiries: (02) 9351 9494.
Classes: external/distance mode.
This unit introduces the student to epidemiology through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies - and quantitative measures for epidemiological research. This unit also includes data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and presentation in data management.

AHCD 5046 Evaluation Research
Old code 07546.6 credit points. Dr Freidoon Khavapour, (02) 9351 9127. Offered: February. Classes: Contract learning.
In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services. Empowering and critical approaches will be included.

AHCD 5047 Evaluation Research
Old code 07547.8 credit points. Dr Freidoon Khavapour, (02) 9351 9127.
In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services empowering and critical approaches will be included.

DHSC 7003 Foundations for Doctoral Studies
Old code 26703.6 credit points. Dr Ian Hughes, (02) 9351 9582.
Offered: Full year. Classes: on-campus; external/distance mode.
Assessment: continuous.
Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data.

There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported.
Textbooks

BACH 5098 History and Philosophy of Scientific Methodology
Old code 2553G. 8 credit points.
This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.

BACH 5298 History and Philosophy of Scientific Methodology
Old code 25594.6 credit points. Dr Rod Rothwell, (02) 9351 9122.
Offered: February. Assessment: two assignments (1000 words and 2000 words).
This unit is designed to provide students with a critical perspective as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy.
Textbooks

BACH 5253 Intermediate Statistics
Old code 2557V. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Dr Zakia Hossain, (02) 9351 9340. Offered: February, July.
Assessment: written reports, written examination.
In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 5312 Intermediate Statistics
Old code 25591.8 credit points. Dr Peter Choo, (02) 9351 9583, and Dr Zakia Hossain (02) 9351 9340. Offered: Full year. Prerequisite: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. Assumed knowledge: Basic statistics and research design. Classes: on-campus. Night classes.
Assessment: written reports and written examination.
In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests. This unit is usually offered on Mondays 5-8pm.

BACH 4001 Introduction to SAS
Old code 25400.6 credit points. Dr Zakia Hossain, (02) 9351 9340 and Dr Kaye Brock, (02) 9351 9124. Offered: February.
This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data management and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

BACH 4005 Introduction to SAS
Old code 25404.8 credit points. Dr Zakia Hossain, (02) 9351 9340 and Dr Kaye Brock, (02) 9351 9124. Offered: February.
This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data management and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

BACH 5050 Issues in Educational Research
Old code 25523.6 credit points. Ms Fran Everingham, (02) 9351 9116.
Assessment: essay (non exam).
This unit explores issues in educational research, including using theories and conceptual frameworks to help deal with multi-
pie dimensions of the educational process, and considers some of the methodologies used in educational research.

BACH 5256 Multivariate Statistics
Old code 2557Y. 6 credit points. Dr Peter Choo, (02) 9351 9583. 
**Prerequisite:** Intermediate Statistics (10503), or equivalent. 
**Classes:** Contract learning.

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

BACH 5314 Multivariate Statistics
Old code 2559K. 8 credit points. Dr Peter Choo, (02) 9351 9583. 
**Prerequisite:** Intermediate Statistics (10503), or equivalent. 
**Classes:** Night classes; Contract learning.

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

BACH 6042 Qualitative Research Methods
Old code 25641.8 credit points. Dr Cherry Russell, (02) 9351 9129. 
**Offered:** Full year. **Classes:** Attendance required. 3 hours/week. 
**Assessment:** assignments.

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

DHSC 7002 Research and Inquiry in the Health Professions
Old code 26702.6 credit points. **Classes:** on-campus; external/distance mode.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

BACH 5285 Research Design
Old code 2558R. 6 credit points. **Offered:** February. **Classes:** External/distance mode.

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.

This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

BACH 5311 Research Design
Old code 2559H. 8 credit points. **Classes:** External/distance mode.

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.
SPSS Analysis Without Anguish, Coakes, S.J. & Steel, L.G.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

PHTY 5094 Research Elective Independent Study
Old code 16529.8 credit points. Associate Professor Nicholas O'Dwyer. (02) 9351 9385.
NB: For Physiotherapy research students only

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

BACH 5240 Research Methods
Old code 25571.3 credit points. Dr Peter Choo, (02) 9351 9583.
NB: Exercise and Sports Science only.

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

BACH 5310 Research Methods I: Design
Old code 2559G. 2 credit points. Dr Rob Heard, (02) 9351 9498.
NB: For existing Graduate Diploma of Health Science (Health Information Management) students only.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with a brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

BACH 5061 Statistical Analysis with SPSS
Old code 2552E. 6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Karen Pepper, (02) 9351 9389. Offered: February, July.
Classes: Contract learning including a small number of on-campus. Assessment: practical assignments.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

Textbooks

PHTY 5095 Structuring a Qualitative Research Thesis
Old code 16527.4 credit points. Professor Joy Higgs, (02) 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. This unit will be practical and numbers are limited. It is open to masters and doctoral students in the Faculty. (Limited to 12 students only).

BACH 5011 Survey Research Methods
Old code 25510.6 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Kate O'Laughlin (02) 9351 9531. Offered: February, July.
Classes: Contract learning; night classes.

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

BACH 5315 Survey Research Methods
Old code 2559L. 8 credit points. Dr Peter Choo, (02) 9351 9583 and Ms Kate O'Laughlin (02) 9351 9531. Offered: July. Classes: Contract learning; night classes.

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

DHSC 7001 Theory in the Health Professions
Old code 26701.6 credit points. Dr Rod Rothwell. Offered: February. Classes: on-campus; external/distance mode.
Assessment: three assignments.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

Textbooks
Extensive study notes provided
CHAPTER 14

Facilities and services

Bookshop
The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the Student Guild, the Bookshop holds all prescribed texts and various stationery and software items. Enquiries can be made on (02) 9351 9484 or (02) 9646 5335, fax (02) 9646 2495, email: land@mail.coop-bookshop.com.au.

Childcare: Ngallia
Ngallia, the on-campus child care centre for children aged between 6 weeks and 6 years is available. For further information call (02) 9749 7575 between 1 and 3 pm.

Counselling service
A counselling service is provided through Student Welfare Services to assist students who wish to discuss concerns of a personal, academic or vocational nature. The service is free and confidential. The Counsellor, a registered psychologist, is located in A005 in A Block. Students who wish to make an appointment with the Counsellor can phone (02) 9351 9473, or book an appointment directly by writing in a time slot on the door. Appointments outside normal hours are available for students on clinical placements or who are studying part-time. Students can also arrange to see a counsellor at the Counselling Service on the Camperdown campus by calling (02) 9351 2228.

Credit Union facilities
The Unicom Credit Union Ltd has an agency with an automatic teller machine on campus. The agency is open on Thursdays, between 12 noon and 2 pm.

Cumberland Student Guild
At enrolment all students pay for membership to the Student Guild, a student support organization. The Guild is controlled by a 13 member Management Committee (MC), elected annually by the student body. The MC is responsible for determining the services and facilities provided by the Guild to Cumberland students. All Cumberland students, as financial members of the Guild, are eligible for election. Elections are held in September of each year with the new Committee taking effect at the beginning of the next year. A four member Executive Committee is elected by and from the Management Committee.

Guild facilities
Facilities provided on campus by the Guild include:

- JDV Coffee Shop and Bar.
- Guild Service Centre (Agent for Australia Post)
- Computer Lab and Photocopy Centre
- Guild Sports Centre
- Food and drink vending machines around campus
- Retail Shop

Guild administration
Advice on Guild services and facilities is available at the Guild Office located at the top floor of the Guild building. Open daily during semester from 9 am to 4.30 pm. Enquiries can be made on (02) 9351 9970, or fax (02) 9351 9971.

Student resources and support services
These include:

- The Resource Officer located on level 3, Guild Building, helps with Youth Allowance and Austudy matters, academic appeals including Show Cause submissions, as well as welfare matters.
- The Sports Officer, who manages the Sports Centre, organizes a wide range of lunchtime recreational events and also provides support for the Guild affiliated clubs and societies. Those interested in forming a special interest group should obtain the Clubs and Societies Manual from the Guild Office.
- Subsidies towards costs of students attending conferences directly related to courses of study and those selected as sports representatives at State or National level.
- Conduct of research projects related to academic issues affecting students.
- Publications such as Signature, the student newspaper, Corpus Collosum, the Clubs and Societies Manual and the Student Guild Diary.
- The Guild web site is located at www.csg.org.au and offers further details on the many services mentioned above. Alternatively the Guild can be emailed at contact@csg.org.au.

Further details of Guild facilities and services are in the Cumberland Student Guild Diary issued to students in Orientation Week and also available at the Guild Office.

Camperdown campus arrangement
As Guild members, Cumberland students can access either SUPRA (postgraduates) or SRC (undergraduates) on Camperdown Campus and claim associate membership of the relevant sports association, either SUWSA (women) or MSU (men).

Disability services
Students with disabilities or other special needs are assisted by the Disabilities Officer, Student Welfare Services. The Faculty has numerous resources to assist students, and a professional interest and commitment to provide high quality services. Consultations are confidential.

Students with disabilities are strongly advised to inform University staff of their needs as early as possible each academic year. A disability might be apparent or invisible, and might range from very slight to severe. It could be a physical, sensory, psychological, medical, or learning disability, or a combination of these. Students can experience difficulty meeting their educational commitments because of the educational disadvantage created by a disability. A variety of support services are available including notetakers, scribes, special examination arrangements, library facilities including the Special Study Room, and equipment for use and loan. Such assistance can minimize the disadvantage that might otherwise occur.

In the first instance, students are invited to contact Student Welfare Services on (02) 9351 9638 or (02) 9351 9081 for a consultation on what support services they need, for information on what assistance is available, and for guidance on University procedures. Students may also wish to have a confidential discussion with the student counsellor by telephoning directly on (02) 9351 9473.

English language tuition
The tutors who work in the Language and Learning Unit of Student Welfare Services provide supplementary and concurrent tuition in English for Academic Purposes and English for Clinical Placements for any student enrolled on Cumberland campus. This service is in the form of weekly lunchtime workshops and one-to-one tutorials and is particularly valuable for both international and local students whose first language is not English. Preparatory courses are offered to students who have accepted a place in the Faculty in January-February prior to the start of the academic year. The Language and Learning Unit tutors are also trained in cross-cultural communication. This enables them to assist native speakers of English (staff or students) in communicating clearly with those who speak English as a second language. These 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...
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, phone (02) 9351 9638, where you can pick up an application form and make an appointment for an interview.

Graduates Association and alumni

The Graduates Association was established in 1980. The general aims of the Association are to:
- support and advance the character, status and interests of the College/Faculty
- provide meeting opportunities for graduates to maintain or re-establish friendships
- act as a centre for liaison with industry, commerce and community
- assist the College/Faculty to communicate with graduates
- assist in the future development of the College/Faculty and of tertiary education in the health sciences

All graduates of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences), and graduates of the professional schools which together formed Cumberland College, are eligible for membership of this Association and can therefore retain a vital, active and professional link with the University. For further information please call (02) 9988 0079.

The Faculty's Alumni include all its graduates, ex-staff, ex-students and community friends. Alumni are kept in touch through the Faculty Web site.

All alumni are able to become life members of the Graduate Association on payment of a once-only fee of $50. Members can:
- borrow from the Faculty 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's collection, of approximately 80,000 books and videos and 900 journal titles, is particularly oriented towards the health sciences. The library aims to support undergraduate, graduate, and research programs, to provide service and assistance to users, as well as to provide certain general and recreational materials and a pleasant environment for study and research.

The Health Sciences Library is located centrally on campus, in R block, and is accessible to users with physical disabilities.

Level 1 includes the Reference collection, current issues of journals, Closed Reserve, the Information desk, the Circulation desk, audio-visual, photocopying, printing, database and Internet facilities, a study room for students with disabilities, Computer Training Room, study areas and the staff work area.

Level 2 contains the main collection of resources, study areas, additional photocopiers, and several group study rooms.

Access to the Library collection is via a user-friendly OPAC (online public access catalogue). Material may be located by author, title, subject or keyword approaches. OPACs are located on both levels of the Library. The catalogue lists all holdings within the University Library system including Fisher Library and eighteen other branch libraries.

The catalogue offers many self-service options and can be accessed externally through the Internet.

Distance education students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk (02) 93519437

Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk (02) 93519423

Renewals of loans may be made in person or by phone during library hours. Loans can also be renewed through the Internet.

Overdue items may not be renewed.

Library hours

During semester
Mon-Thu: 8 am - 9 pm
Fri: 8 am - 6 pm
Sat: 9 am - 4 pm
Sun: 1 pm - 5 pm

Inter-semester and long vacation
Mon-Fri: 9 am - 5 pm
Sat and Sun: Closed.

For more information about the Library's collections and services, including remote access instructions to the OPAC,
see the Home Page set up at www.cchs.usyd.edu.au/library/
library.html.
A detailed list of the various databases available can be
found at www.library.usyd.edu.au/Databases/.

International student advisory service
Advisory services for international students and visiting
scholars are provided by Student Welfare Services. They
include the Study Preparation Program held every January-
February for newly enrolled students, orientation to living and
studying in Australia, arrival and accommodation assistance,
family support, personal, intercultural and academic guidance,
tutorial support, English language tuition, arrangements for
social events and excursions, and returning home services. The
International Student Adviser can be contacted on (02) 9351
9634 or fax (02) 9351 9635.

Language and Learning Unit
The Language and Learning Unit (LLU) is located in A014
and is part of Student Welfare Services. The tutors in the Unit
provide academic and communication skills tuition for all
students, as well as English language tuition for those who
require it. The staff have postgraduate qualifications in
education, applied linguistics, foreign languages, cross-
cultural communication, and in teaching English as a second
language. One-to-one tutorials, regular workshops and
seminars on academic, clinical, and professional
communication skills are available during semester and in
vacations. Schedules are announced from time to time on
noticeboards around the campus, and in Corpus Callosum and
on the Student Welfare Services web page,
www.cchs.usyd.edu.au/sws. Students and lecturers are invited
to contact the Unit and consult with the tutors on any matter
related to the above areas and services. Phone (02) 9351 9319
or Student Welfare Services on (02) 9351 9638. The fax
number is (02) 9351 9635.

Lockers
A limited number of lockers are available on campus on a
first-come-first-served basis. All lockers must be cleared at the
end of each semester. The University will not accept
responsibility for any item lost from these lockers. Students
are required to provide their own padlock.
There are also a small number of lockers set aside for the
use of students with disabilities located in S and T Blocks.
Students wishing to use these lockers should contact Student
Welfare Services in the first instance. Student is required to
provide own padlock.

Lost property
Property found on campus should be taken to Property
Services Division. Lost property is held for a period of three
months. If unclaimed after two months, it may be claimed by
the finder (not including a member of staff). If it is still
unclaimed after a three month period, the University reserves
the right to dispose of these items.

Parking
Parking on campus for undergraduate students is very limited
and travel by train/bus is encouraged. However, car parking
facilities at Gate 3 are available for students. Entry is by
prepaid card only. The SEINS parking infringement system is
in operation to control parking on University grounds and is
enforceable 24 hours a day. A small number of spaces in the
car park at Gate 2 are allocated by ballot each year to
postgraduate students. For further information contact the
Property Services Division on (02) 9351 9231. For those
requiring access to parking spaces for people with disabilities
contact Student Welfare Services Division (02) 9351 9638.

Peer tutoring service
A register of senior students who have volunteered their
services as subject tutors is available in Student Welfare
Services. Students wishing to become tutors, or to obtain
tutoring in units they are having difficulties with, should
contact the office to check the register or seek advice. Payment
is generally negotiable between parties involved. For
information phone (02) 9351 9638.

Sporting facilities (multi-purpose courts and oval)
Bookings for the multi-purpose tennis, netball and basketball
courts must be made with lie Student Guild Sports Centre.
Bookings for the oval must be made with the Property
Services Division.

Student accommodation
The Student Guild produces an annual Accommodation Guide
and Directory, allocates rented rooms to students at Auburn
Hospital Nurses' Home, and in first semester, maintains a
housing register in the Guild Office. During the year,
accommodation options are advertised on Guild Building
noticeboards.

Yannadah
The student residence on the Cumberland campus, Lidcombe,
provides accommodation for up to thirty-nine students from
outside the greater metropolitan area of Sydney. Application
forms are included with course offers. Places are determined
by ballot. For information contact the Residential Manager on
(02) 9351 9405.

Student Welfare Services (SWS)
Student Welfare Services is concerned with the general
welfare of all students on Cumberland Campus. Students may
seek advice and assistance on any issue related to or impacting
on their academic study, clinical placements, or life on
campus. Student Welfare Services mirrors the services
provided by Student Services on the Camperdown Campus
with the exception of accommodation and casual work which
are managed at Cumberland by 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
specialisation services. Student Services complements the
services provided by Student Welfare Services. The phone
number is (02) 9351 9638. Fax (02) 9351 9635, email
r.mckenzie@cchs.usyd.edu.au or a.chan@cchs.usyd.edu.au.
Office hours are 9 am to 5 pm during semester and vacations.

Travel concessions
Details of travel concessions are available from the Student
Enquiries Counter, Administration Building.
General University information
(Camperdown campus)

See also the Glossary for administrative information relating to particular terms.

Accommodation Service
The Accommodation Service assists students to find off-campus accommodation by maintaining an extensive database of suitable accommodation in various areas but primarily close to University or within easy access via public transport.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3312
Fax: (02) 9351 8262
TTY: (02) 9351 3412
Email: accomm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/accom

Admissions Office
The Admissions Office is responsible for overseeing the distribution of offers of admission to undergraduate students through the Universities Admissions Centre (UAC) and can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. Applicants without Australian citizenship or permanent residency should contact the International Office.
Student Centre
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4117 or (02) 9351 4118
Fax: (02) 93514869
Email: admissions@records.usyd.edu.au

Applying for a course
Prospective (intending) undergraduate students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment for all courses except the graduate dental and medical programs, which require direct application to the faculties of Dentistry and Medicine. Note that some faculties have additional application procedures.

Assessment
For matters regarding assessment, refer to the relevant Department or School.

Casual Employment Service
The Casual Employment Service helps students find casual and part-time work during their studies and in University vacations.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9552 2589
Fax: (02) 9552 4713
Email: ccs@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/cas_emp

Centre for English Teaching
The Centre for English Teaching provides a variety of full-time English language courses for adult students at all levels of proficiency, including General English from Beginner to Advanced, IELTS preparation, and a range of specific programs in English for Academic Purposes designed to bring international students up to the required English language entry levels for degree programs at the University.
Level 2, Building F, 88 Mallett St
Camperdown NSW 2027
Phone: (02) 9351 0706
Fax: (02) 9351 0701
Email: info@cem.usyd.edu.au
Web: www.usyd.edu.au/cet

Child Care
Contact the Child Care Coordinator for information about Children’s Services for students and staff of the University who are parents.
Child Care Coordinator
Level 7, Education Building, A35
Phone: (02) 9351 5667
Fax: (02) 9351 7055
TTY: (02) 9351 3412
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/cchildcare

Co-op Bookshop
Sells textbooks, reference books, general books and software. Special order services available. The Co-op Bookshop is located at:
Sydney University Sports and Aquatic Centre, G09
Cnr Codrington St and Darlington Rd
Phone: (02) 9351 3705 or (02) 9351 2807
Fax: (02) 9660 5256
Email: sydu@mail.coop-bookshop.com.au
Web: www.coop-bookshop.com.au

Counselling Service
The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling which is free and confidential.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2228
Fax: (02) 9351 7055
TTY: (02) 9351 3412
Email: counsell@mail.usyd.edu.au
Web: www.usyd.edu.au/su/counsel

Disability Services
Disability Services is the principal point of contact and advice on assistance available for students with disabilities. The Service works closely with academic and administrative staff to ensure that students receive reasonable accommodations in all areas of their study. Assistance available includes the provision of notetaking, interpreters, and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4554
Fax: (02) 9351 7055
Email: disserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/disability

Enrolment and pre-enrolment
Students entering first year
Details of the enrolment procedures will be sent to new undergraduate students with their UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the faculty in which you are enrolling, but is usually within the last week of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On your enrolment day, you pay the compulsory fees for joining the Student Union, the Students’ Representative Council and the student sporting
bodies. Fees for certain courses are also payable at enrolment as is upfront HECS if you decide to pay with this option. You also choose your first-year units of study, so it’s important to consult the faculty handbook before enrolling. Faculty handbooks can be purchased at the Student Centre, or found on the web at www.usyd.edu.au/studentcentre/enrolments.

Re-enrolling students
For re-enrolling students, enrolment is accomplished via pre-enrolment which is compulsory. A pre-enrolment package is sent to all enrolled students in early October which contains instructions on pre-enrolment procedures.

Examinations
The Examinations and Exclusions Office is usually responsible for examination seat numbers, examination timetabling and examination arrangements. This information is available to students via the web (MyUni). Examinations and Exclusions Office
Student Centre
Level 1, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4005 or (02) 9351 5054
Fax: (02) 9351 7330
Email: exams.office@exams.usyd.edu.au

Note that some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Fees
The Fees Office provides advice to students on how to pay fees, where to pay, and if payments have been received. Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 5222
Fax: (02) 9351 4202

Financial Assistance Office
The University has a number of loan funds and bursaries to assist students who experience financial difficulties. Assistance is not intended to provide the principal means of support but to help in emergencies and to supplement other income.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2416
Fax: (02) 9351 7055
TTY: (02) 9351 3412
Email: fao@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/fin_assist

Freedom of Information
The University of Sydney falls within the jurisdiction of the NSW Freedom of Information Act, 1989. The Act requires information concerning documents held by the University to be made available to the public, to enable a member of the public to obtain access to documents held by the University and to enable a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect or out of date. By definition, a ‘member of the public’ includes staff or students of the University.

• Application may be made for access to University documents, however the Act provides some exemptions to particular documents. The Act contains review and appeal mechanisms which are required to be explained to applicants where applicable. The University is required to report to the public on its FOI activities on a regular basis. The two reports provided are the Statement of Affairs and the Summary of Affairs. The Statement of Affairs contains information about the University, its structure and function and the kinds of documents held. The Summary of Affairs identifies each of the University’s policy documents and provides a contact list for those wishing to access these documents. Further information, and copies of the current reports may be found at www.usyd.edu.au/arms/foi/.

• It is a requirement of the Act that applications be processed and a determination be made generally within 21 days. Determinations are made by the University’s Registrar.

Graduations Office
The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3199, (02) 9351 4009
Protocol: (02) 9351 4612
Fax: (02) 9351 5072
Email: d.obrien@exams.usyd.edu.au

(Grievances) appeals
Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters.

• In some cases the by-laws or resolutions of the Senate (see University Calendar) specifically provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

• A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University’s web site at www.usyd.edu.au/su/planning/policy/

• If you wish to seek assistance or advice regarding an appeal, contact:
Students’ Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222

HECS and fees
The HECS and Fees Office in the Student Centre can provide advice on your HECS or fee liability at any time.

Student Centre
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2086, (02) 9351 5659, (02) 93515062
Fax: (02) 9351 5081

International Student Centre
The International Student Centre consists of the International Office (IO), the International Student Services Unit (ISSU) and the Study Abroad and Exchange Office. The International Office provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The ISSU provides a wide range of international student support services including arranging arrival accommodation and offering advice and professional counselling. The Study Abroad and Exchange Unit assists both domestic and international students who wish to enrol for Study Abroad or Exchange programs.

International Student Centre
Services Building, G12
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4079
Fax: (02) 9351 4013
Email: info@io.usyd.edu.au
Web: www.usyd.edu.au/international/index/html

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General University information

International Student Services Unit
Phone: (02) 9351 4749
Fax: (02) 9351 6818
Email: info@issu.usyd.edu.au
Web: www.usyd.edu.au/su/issu/

Study Abroad and Exchange Unit

Study Abroad
Phone: (02) 9351 5841
Fax: (02) 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: www.usyd.edu.au/su/io/studyabroad/

Exchange
Phone: (02) 9351 5843
Fax: (02) 9351 2795
Email: exchange@io.usyd.edu.au
Web: www.usyd.edu.au/su/exchange/

Intranet

USYDnet is the University of Sydney's intranet. It provides easy access to staff and student directories, maps, software and useful resources for both staff and students. As well as delivering information, the intranet provides interactive services such as the Calendar of Events, where staff and students can enter events and publish them university-wide.

MyUni is the personalised section of USYDnet. All staff and students are provided with access to MyUni through a login name and password. This enables them to customise the information they see and also receive delivery of personal information such as exam results and seat numbers. MyUni is a portal from which students and staff can complete tasks that were previously only possible offline. Web enrolment variation is one of the first of many facilities that are helping to move the every day tasks of all members of the university online.

Learning Centre

The Learning Centre assists students to develop the generic skills which are necessary for learning and communicating knowledge and ideas at university. The Centre is committed to helping students to achieve their academic potential throughout their undergraduate and postgraduate studies.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3853
Fax: (02) 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/lc

Library

Students are welcome to use any of the 23 libraries in the University. The student card is also the library borrower's card. Further details of the libraries, including services provided, locations and opening hours are available on the Library's homepage www.library.usyd.edu.au as well as in the printed Library Guide, available at any library. Consult the Library staff for assistance.

The libraries listed below are located on the Camperdown/Darlington campus unless otherwise specified.

Alexander Mackie Curriculum Resources Library
Old Teachers College, A22
Phone: (02) 9351 6254
Fax: (02) 9351 7766
Email: curriculum@library.usyd.edu.au

Architecture Library
Wilkinson Building, G04
Phone: (02) 9351 2775
Fax: (02) 9351 4782
Email: architecture@library.usyd.edu.au

Badham Library
Badham Building, A16
Phone: (02) 9351 2728
Fax: (02) 9351 3852
Email: badham@library.usyd.edu.au

Biochemistry Library
Biochemistry Building, G08
Phone: (02) 9351 2231
Fax: (02) 93517699
Email: biochemistry@library.usyd.edu.au

Burkitt-Ford Library
Sir Edward Ford Building, A27
Phone: (02) 9351 4364
Fax: (02) 9351 7125
Email: burkittford@library.usyd.edu.au

Camosun Library
University Farms, Camden, C15
Phone: (02) 9351 1627
Fax: (02) 4655 6719
Email: camden@library.usyd.edu.au

Chemistry Library
Chemistry Building, F11
Phone: (02) 9351 3009
Fax: (02) 9351 3329
Email: chemistry@library.usyd.edu.au

Dentistry Library
United Dental Hospital, 2 Chalmers St, Surry Hills, C12
Phone: (02) 9351 8331
Fax: (02) 9212 5149
Email: dentistry@library.usyd.edu.au

Engineering Library
P N Russell Building, J02
Phone: (02) 9351 2138
Fax: (02) 9351 7466
Email: engineering@library.usyd.edu.au

Fisher Library
Eastern Ave, F03
Phone: (02) 9351 2993
Fax: (02) 9351 2890
Email: fishinf@library.usyd.edu.au

Geosciences Library
Madsen Building, F09
Phone: (02) 9351 6456
Fax: (02) 9351 6459
Email: geosciences@library.usyd.edu.au

Health Sciences Library
East St, Lidcombe, C42
Phone: (02) 9351 9423
Fax: (02) 9351 9421
Email: h.knight@cchs.usyd.edu.au

Law Library
Law School, 173-175 Phillip St, Sydney, C13
Phone: (02) 9351 0216
Fax: (02) 9351 0301
Email: library@law.usyd.edu.au

Mathematics Library
Carslaw Building, F07
Phone: (02) 9351 2974
Fax: (02) 9351 5766
Email: mathematics@library.usyd.edu.au

Medical Library
Bosch Building, D05
Phone: (02) 9351 2413
Fax: (02) 9351 2427
Email: medical@library.usyd.edu.au

Music Library
Seymour Centre, J09
Phone: (02) 9351 3534
Fax: (02) 9351 7343
Email: music@library.usyd.edu.au

Nursing Library
88 Mallett St, Camperdown, M02
Phone: (02) 9351 0541
Fax: (02) 9351 0634
Email: nursing@library.usyd.edu.au

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The University is subject to the NSW Privacy and Personal Information Protection Act 1998 (the Act). Central to the Act is Part 2 which contains twelve Information Protection Principles (IPPs) which regulate the collection, management, use and disclosure of personal information.

- In response to Section 33 of the Act the University has developed a Privacy Management Plan which includes a new University Privacy Policy incorporating the requirements of the IPPS. Both the Plan and the new University Privacy Policy were endorsed by the Vice-Chancellor on 28 June 2000. The Privacy Management Plan sets out the IPPS and how they apply to functions and activities carried out by the University.

Further information and a copy of the Plan may be found at: [www.usyd.edu.au/arms/privacy/](http://www.usyd.edu.au/arms/privacy/). Any questions regarding the Freedom of Information Act, the Privacy and Personal Information Protection Act or the Privacy Management Plan should be directed to:

Tim Robinson: (02) 9351 4263 or Judith Russell: (02) 9351 2684

Email: foi@mail.usyd.edu.au

### Student Centre

The Student Centre enquiry counter can assist with the following types of enquiries:

- General Enquiries: (02) 9351 3023
- Academic Records: (02) 9351 4109
- Discontinuation of Enrolment: (02) 9351 3023
- Handbooks: (02) 9351 5057
- Prizes: (02) 9351 5060
- Fax: (02) 9351 5081, (02) 9351 5350 (Academic Records)

### Student identity cards

Student identity cards will be provided to all commencing students at in-person enrolment or will be mailed to all continuing students who have successfully pre-enrolled. The card must be carried with you at all times on the site of the University, it must be displayed during examinations and must be produced on demand of any member of the staff or any other officer of the University. The card incorporates a photograph which you are required to provide. The photograph is to be colour and passport-sized showing your head and shoulders only. The photograph will be laminated to your student identity card on the day of your in-person enrolment if you are a commencing student. Pre-enrolling continuing students will be advised where to attend to have their photos and cards laminated. Student identity cards also function as transport concession cards for those students deemed eligible by the transport authorities. Transport concession eligibility will be confirmed with the application of a holographic sticker on the card.

### Student Services

Student Services exists to help you achieve your educational goals by providing personal, welfare, and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at University and Student Services can assist you in managing and handling these more effectively. Refer to Accommodation Service, Casual Employment Service, Child Care, Disability Service, Financial Assistance Office, Learning Centre, Mathematics Learning Centre.

### Other student assistance

#### Careers information

The Careers Centre provides careers information, advice and counselling, and assists in finding course-related employment both while you’re studying and when you’re ready to commence your career.

- Ground floor, Mackie Building, K01
- The University of Sydney
- NSW 2006 Australia
- Phone: (02) 9351 3481
- Fax: (02) 9351 5134
- Email: info@careers.usyd.edu.au
- Web: [www.careers.usyd.edu.au](http://www.careers.usyd.edu.au)

### Timetabling Unit

The timetabling unit in the Student Centre is responsible for producing students’ class and tutorial timetables. Students can obtain their Semester 1 timetables from the Wednesday of Orientation Week via the web.

The Sydney Conservatorium of Music operates in accordance with a local calendar of dates and produces a complete timetable for all teaching that it delivers. The timetable is available on enrolment at the Conservatorium.

### Part-time and full-time enrolment

Students are normally considered to be enrolled full-time if they have a HECS or fee weighting of at least 0.375 each semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

### Privacy

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3023

Fax: (02) 9351 4109

Discontinuation of Enrolment: (02) 9351 3023

Handbooks: (02) 9351 5057

Prizes: (02) 9351 5060

Fax: (02) 9351 5081, (02) 9351 5350 (Academic Records)

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- Ground floor, Mackie Building, K01
- The University of Sydney
- NSW 2006 Australia
- Phone: (02) 9351 3481
- Fax: (02) 9351 5134
- Email: info@careers.usyd.edu.au
- Web: [www.careers.usyd.edu.au](http://www.careers.usyd.edu.au)
General University Information

**Continuing Education**

University Preparation courses; bridging courses; Accounting Extension program; study skills courses; essay writing courses; and many others for career development, skill enhancement and general interest.

Centre for Continuing Education
Mackie Building, K01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2907
Fax: (02) 9351 3022
Email: info@cce.usyd.edu.au
Web: www.usyd.edu.au/cce

**University Health Service**

Offers full general practitioner services and emergency medical care to all members of the University community.

University Health Service (Wentworth)
Level 3, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3484
Fax: (02) 9351 4110
University Health Service (Holme)
Ground Floor, Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4095
Fax: (02) 9351 4338
Email: director@unihealth.usyd.edu.au
Web: www.unihealth.usyd.edu.au/

**Koori Centre and Yoorang Garang**

The Koori Centre provides tutorial assistance: access to computers, Indigenous counsellor, Aboriginal Studies library study rooms, Orientation program at the beginning of the year, and assistance in study and learning skills. Education Unit: courses in Education for ATSI students. Indigenous Studies Unit: aims to increase the awareness of Indigenous Australian issues through courses across the University.

Ground Floor, Old Teachers’ College, A22
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2046 General Enquiries
(02) 9351 7003 Liaison Officer
Fax: (02) 9351 6923
Email: koori@koori.usyd.edu.au
Web: www.koori.usyd.edu.au/

**Language Centre**

The Language Centre supports the teaching and research of the 34 languages taught through the Faculty of Arts and also offers self-study materials in over 140 languages. Members have access to audio-visual kits, reference books, videos, satellite television, computer software and magazines. The Language Centre also runs courses in Spanish, Russian, Portuguese, Modern Irish and Welsh.

Level 2, Christopher Brennan Building, A18
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2371
Fax: (02) 9351 4724
Email: language.enquiries@language.usyd.edu.au
Web: www.usyd.edu.au/langcent

**Scholarships**

The Scholarships Office is the University's internal and external point of contact for matters related to scholarships and awards. It provides information on undergraduate and postgraduate award opportunities available at the University as well as from external funding bodies, and advice to faculties and administrative units on the establishment and administration of their specific awards. The Scholarships Office is also responsible for administering University-wide awards and major government funded research scholarships.

Research and Scholarships Office
Scholarships Administration
Room K4.01, Main Quadrangle, A14
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3250
Fax: (02) 9351 3256
Email: scholars@reschols.usyd.edu.au
Web: www.usyd.edu.au/su/reschols/scholarships/schol.html

**Student organisations**

**Students' Representative Council**

Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222 Editors, Honi Soit/Legal Aid
(02) 9660 4756 Second-hand Bookshop
(02) 9351 0691 Mallett St
(02) 9230 3777 Pitt St-Conservatorium
Fax: (02) 9660 4260
Email: postmaster@src.usyd.edu.au

**Sydney University Sports Union**

Provides services, facilities and clubs for sport, recreation and fitness.

Sports and Aquatic Centre, G09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4960
Fax: (02) 9351 4962
Email: sportsunion@susu.usyd.edu.au
Web: www.susport.com.au

**University of Sydney Union**

Provides welfare, social and recreational services to the University community.

Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9563 6000 Switchboard/Enquiries
(02) 9563 6282 Academic Dress
(02) 9563 6103 ACCESS Centre, Manning
(02) 9563 6269 Campus Store, Holme
(02) 9563 6016 Campus Store, Wentworth
(02) 9563 6160 Clubs and Societies Office
(02) 9563 6010 School Tutoring Coordinator
(02) 9563 6032 Union Broadcasting Studio
(02) 9563 6115 Welfare & Information Services Manager
Fax: (02) 9563 6239
Email: email@usu.usyd.edu.au
Web: www.usu.usyd.edu.au/

**Women's Sports Association**

Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.

Room 214, Sports Centre, A30
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 8111, (02) 9351 8112
Fax: (02) 9660 0921
Email: secretary@suwsa.usyd.edu.au
Web: www.usyd.edu.au/su/suwsa/welcome.html
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25546 = BACH 6007
25547 = REHB 6008
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25549 = BACH 6019
25550 = BACH 6020
25551 = BACH 6037
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25558 = DHSC 7001
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University of Sydney directory

Academic and Executive Service 16E
Accounting 17P
Accommodation Service 13G
Administrative Policy & Strategic Planning Div'n 16E
Administrative Support Services Div'n 16E
Aeronautical Engineering 26M
Agricultural Chemistry and Soil Science 10D
Agricultural Economics HD
Agriculture Faculty Office 1C
Australian Graduate School of Management Burren St
Alma Street Glasshouse 23N
Alumni Relations 16E
Anaesthesia 7K
Anderson Stuart Bldg 171
Anatomy and Histology 171
Ancient History and Classics 16F
Animal Health Camden
Animal Science 7F
Anthropology 16F
Archaeology 16F
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Architecture, Dept and Faculty Office 22M
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Arts Faculty Office 16F
Asset Management 13A
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Attendant's Lodge 160
Badham Bldg and Library 14E
Banks see Financial institutions Baxter's Lodge 22E
Behavioural & Social Sciences in Nursing Mallett St
Behavioural Science Cumberland
Behavioural Sciences in Medicine 7K
Biochemistry 20P
Biological Sciences 15D
Biomedical Science Cumberland
Blackburn Bldg 7K
Bookshops:
Medical 7K
SRC Secondhand 19N
University Co-operative 21R
Bosch IA (lecture theatres) 8L
Bosch IB Bldg 7M
Brennan, C. Bldg 15F
Budget Office 16E
Business Liaison Office 12E
Business Services 19U
Campus Services 20T
Careers Centre 13B
Carslaw Bldg 19L
Cashiers 13A