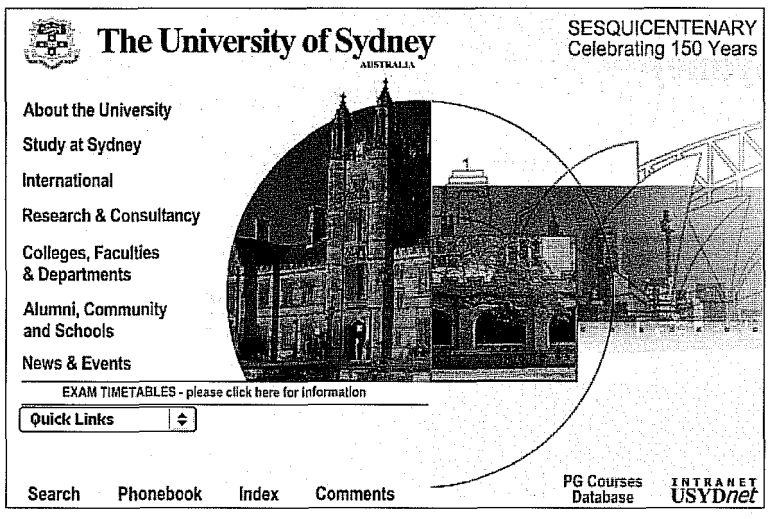
The University of Sydney

Faculty of Health Sciences Handbook 2001



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Communications should be addressed to:
The University of Sydney, NSW 2006.
Phone: (02) 9351 2222

Faculty of Health Sciences
Phone: (02) 9351 9161. Fax: (02) 9351 9412.
Email: uginfo@cchs.usyd.edu.au (undergraduate courses),
pginfo@cchs.usyd.edu.au (postgraduate courses)
Web: www.cchs.usyd.edu.au

University semester and vacation dates 2001

February Semester lectures begin	Monday 26 February
Easter recess	
Last day of lectures	Thursday 12 April
Lectures resume	Monday 23 April
Study vacation: 1 week beginning	Monday 4 June
Examinations commence	Tuesday 12 June
February Semester ends	Saturday 23 June
July Semester lectures begin	Monday 6 August
Mid-semester recess	
Last day of lectures	Friday 21 September
Lectures resume	Monday 1 October
Study vacation: 1 week beginning	Monday 12 November
Examinations commence	Monday 19 November
July Semester ends	Saturday 1 December

Last dates for withdrawal or discontinuation 2001

February Semester units of study	
Last day to add a unit	Friday 16 March
Last day for withdrawal	Friday 30 March
Last day to discontinue without failure (DNF)	Thursday 12 April
Last day to discontinue (Discontinued - Fail)	Friday 1 June
July Semester units of study	
Last day to add a unit	Friday 17 August
Last day for withdrawal	Friday 31 August
Last day to discontinue without failure (DNF)	Friday 21 September
Last day to discontinue (Discontinued - Fail)	Friday 9 November
Full Year units of study	
Last day for withdrawal	Friday 30 March
Last day to discontinue without failure (DNF)	Friday 3 August
Last day to discontinue (Discontinued - Fail)	Friday 9 November

Academic year information (Academic Board policy and dates 1998—2002) is available at: www.usyd.edu.au/su/planning/policy/acad/3_0aca. html

The University of Sydney
Faculty of Health Sciences Handbook 2001
© 2001 The University of Sydney
ISSN 1327-8681

The information in this handbook is subject to approval and/or change by the appropriate faculty or the University. Students should always check the accuracy of the information with faculty staff.

Produced by the Publications Office, The University of Sydney.
Design, layout and database publishing by Neologica
Print & Promotions, Surry Hills NSW, neologica@email.com.
Printed by Printing Headquarters, NSW.

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Introduction

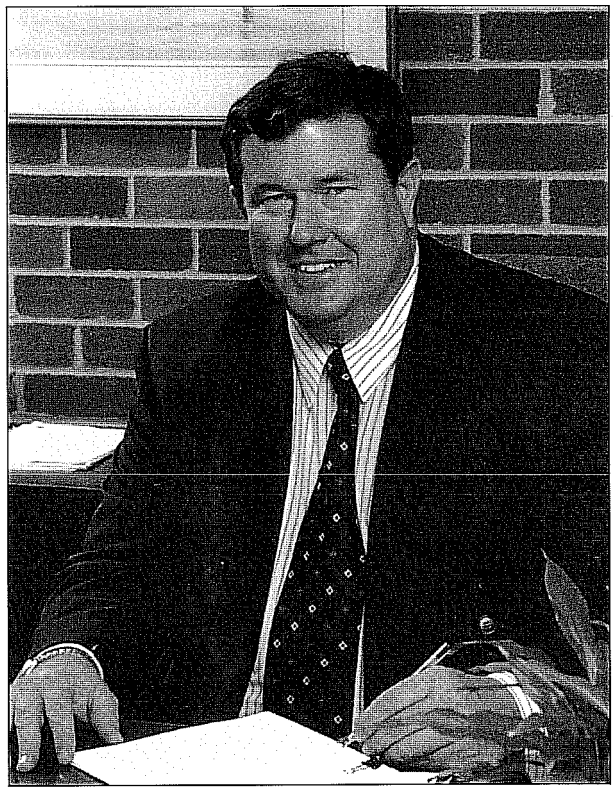
This handbook is the official guide to the courses offered in the Faculty of Health Sciences located at the Cumberland campus of the University of Sydney. The handbook was prepared in advance of the 2001 academic year to maximise its usefulness as a reference to students, staff, and to the many associates of the Faculty, particularly those who contribute to the clinical education of students.

The charter of the Faculty is to provide competent practitioners in the health professions. The aims are for excellence in clinical and academic teaching and in research.

The fields encompassed by the Faculty are:

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

Message from the Dean



Welcome to the Faculty of Health Sciences! Whether you are a new undergraduate student or returning for postgraduate studies building on your previous success, I hope that 2001 will be an important milestone towards your career in the health sciences.

As a student, you will have a number of competing priorities, all of which have their part to play in the development of your full potential as an individual and as a professional in this field. First and foremost, you have the opportunity through academic study to become a highly valued member of the health science profession or, if you are returning to study, to further enhance your expertise and to advance in your chosen field. The academic staff of this faculty are leaders in their field and their expertise in teaching and research is much sought after both nationally and internationally. Being part of this stimulating and dynamic learning environment, will provide you as an undergraduate student with an excellent start to your career.

As a postgraduate student, you will appreciate the opportunities for further study and development that this environment provides you with. As well as this academic focus, I hope you will also take advantage of the opportunity to make friendships with the people you meet along the way. The various Schools, our Student Welfare Services and the Student Guild all arrange social, cultural and sporting activities and your time in the Faculty will be much richer if you are able to fit some of these things into your busy schedule.

The Faculty continually reviews, improves and expands the range of courses offered to cater for the needs and interests of students and the expanding health science professions. Staff in the Faculty of Health Sciences are committed to assisting your progress through your academic program. If you are facing a particular difficulty that is affecting your progress, we would encourage you to take advantage of the wealth of support available to both beginning and established students in the Faculty, including the professional advice of academic staff in your School, the Student Welfare Services, Student Administration and the Student Guild. Additionally, for Aboriginal and Torres Strait Islander students, there is a range of dedicated support services provided by the staff of Yooroang Garang, our School of Indigenous Health Studies.

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

Professor Hal Kendig, Dean

CHAPTER 1

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 9359
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: himinfo@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.cchs.usyd.edu.au/Academic/PT
Head of School: Associate Professor Jack Crosbie

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.cchs.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@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/ncch
Director: Associate Professor Rosemary Roberts

National Voice Centre

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

Rehabilitation Research Centre

Phone: (02) 9351 9466
Fax: (02) 9351 9977
Email: g.davis@cchs.usyd.edu.au
Web: www.cchs.usyd.edu.au/rrc
Director: Associate Professor Glen Davis

Faculty of Health Sciences

Faculty office

Dean
Professor Hal Kendig, *AB Calif.* MPLPhD *S.Calif.* FASSA
Pro-Dean
Professor Beth Reid, BA *Macq.* MHAPhD *U.N.S.W.*
Associate Deans
Barbara J. Adamson, BA DipEd *N.E.* PhD
Karen A. Ginn, BSc MHPEd *U.N.S.W.* DipPhty GradDipManipTher *Cumb.* DipTertEd *N.E.*
Lynne M. Harris, BSc PhD *U.N.S. W.*
Nicholas O'Dwyer, *BADublin* MA *U.Coll.Dublin* PhD *U.N.S.W.*
Executive Assistant to the Dean
Margaret Kennedy

Research Assistant
Amanda Parsons, B AppSc(OccTher)
Faculty Manager
Kay Croucher, BA *Macq*
Acting Faculty Manager
Natalie Downey, BA *Sus.*
Executive Assistant to the Faculty Manager
Roula Pastrikos, BA *Macq*
Senior Lecturer, Flexible Teaching and Learning
Mary Jane Mahony, MS *Calif* 'PhD *W'gong* DipEd *NE* GradDip(Dist Ed) *SACAE* CPAg
Faculty Accountant
Warren Rogers, BA DipEd GradDip(Accounting) *Macq* ASA
Academic Coordinator - SIM Program
Kate M. O'Loughlin, *BAMacq.*
Academic Services Officer
Jenny-Lee Heylen, BSc
Administrative Officer, Research
Mary C Dinh, BA CertEd *Tas.*
External Relations and Marketing Manager
Pauline Taylor, M.Ed(Ad.Ed.) *U. T.S.*
Publications Officer
Karen Cheung, BSSc *Chinese H.K.*
Administrative Assistant
Chelvi Singaram

School of Applied Vision Sciences

Head of School
Associate Professor Elaine D. Cornell, MA *Macq.,* DipAppSc *Cumb.* DOBA
Senior Lecturer
Neryla Jolly, MA *Macq.* DOBA Teach *U.K.*
Lecturers
Helen M. Wozniak, DipAppSc(Orth)C«/7ife. MHlthScEd DOBA
Nathan Moss, BSc *Qld.* PhD *U.N.S.W.*
Associate Lecturers
Susan L Silveira, DipAppSc(Orth) *Cumb.* MHlthScEd DOBA
Kathryn M Thompson, DipAppSc(Orth) *Cumb.* GradCertHlthScEd DOBA
Liane Wilcox, BAppSc(Orth) *Cumb* DOBA

School of Behavioural and Community Health Sciences

Head of School
Associate Professor Ross G. Menzies, BSc(Psych) MPsychol(CKn)Hons PhD *U.N.S.W.*
Associate Head of School
Roderick WJ. Rothwell, MA(Psych) MA(Phil) PhD
Associate Professors
Glennys Howarth, BA *Essex* PhD *L.S.E* TCert *LSE.*
Dianna T. Kenny, MA *Macq.* BA PhD DipEd
Senior Lecturers
Barbara J. Adamson, BA DipEd *N.E.* PhD
Kaye E. Brock, *BSc A.N.U.* PhD GradDipNutDiet
Rosemary V. Cant, MEd *W.Aust.* PhD *N'cle(N.S.W)*
Darien L. Chinnery, BA *Adel.* PhD *U.N.S.W.*
Lynne M. Harris, BSc PhD *U.N.S.W.*
Robert C. Heard, BA PhD
Chris J. Lennings, BAMPsychol PhD *Macq.*
Gomathi Sitharthan, MA MPhil. *Madr.* PhD
Cherry L. Russell, BA PhD
Toni Schofield, BA DipEd *Melb.* PhD
Lecturers
Sandra Bentley, BA *Flin.* MA *Macq.* GradDipRC *Cumb.,* MASRC
Peter P. Choo, BA *Pacific Union* BEd PhD *WAust.*
Ruth Crocker, MA *W.Syd* AssocDipRC GradDip HlthSc(CommHltti) *Cumb*
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Ann Hale, BA *Macq.*
Trevor K. Hawkins, MS *S.Ill.* GradDipRC *Cumb.* BA
Syeda Zakia Hossain, B A MA *Dhaka* MA *A.N. U.* PhD *Qld*
Michael Hough, BScW *Aust.* PhD *A.N. U.* DipSocSc *N.E.*
Ian Hughes, BSocSt MDevStud *Deaking* PhD
Alan Jones, BA *Macq.* DipSpEd *Kuring-gai C.A.E.*
Mairwen Jones, BA PhD RN RPN
Dennis Mclntyre, *BAN'cle(N.S.W)* DipTeach *N'cle C.A.E.*
Liselott E. Muhlen-Schulte, BA MA DipPsychol PhD
Victoria Neville, BSc MA *U.N.S.W.* GradDipPhty *Cumb.*
Carol O'Donnell, BA *Qld* MEd PhD *Macq.* DipEd *Qld*
Kate M. O'Loughlin, BA *Macq.*
Karen Pepper, MA *W'gong* BA
Associate Lecturers
Ian Andrews, BA *Curtin*
Lynda Matthews, BHlthSc(RC) *Cumb.*
Rosemary A. Pynor, BSc *LaT.*
Justine Stynes, BSc MSc *Qld.*
Administrative Staff
Philippa Harrington
Lily Lee
Wendy Manuel
Jacqueline Nimmo
Andy Nguyen
Steven Raftery
Stephanie Soo

School of Biomedical Sciences

Head of School
Gary M. Lee, BSc PhD *U.N.S.W.* MBA *U.C.Q.*
Principal Lecturer
Ronald J. Balnave, BSc PhD *U.N.S. W.*
Senior Lecturers
Laura C. Batmanian, BSc PhD *Melb.*
Margaret A.C. Bermingham, MSc *N. U.I.* PhD *Lond.*
Roslyn C. Bohringer, BSc PhD MEdAdmin *U.N.S.W.*
John A. Burne, BSc PhD DipEd *N.E.*
Alan W. Freeman, MSc PhD *Melb.*
Karen A. Ginn, BSc MHPEd *U.N.S.W.* DipPhty GradDipManipTher *Cumb.* DipTertEd *N.E.*
Fazlul Huq, MSc *Dhaka* PhD *Lond.* DIC DipEd *M.C.A.E.,* FRSC
Jennifer M. Lingard, *BScQld* MBA *U.T.S.* PhD
Ponnambalam Sivanandasingham, MB BS *Ceyl.* PhD *Lond.*
Hoang Tran-Dinh, MD *Saigon* DipAnat *A.S.A.N.Z.,* AMC *Canb.*
A. Bulent Turman, MD *Aegean* PhD *U.N.S.W.*
Patricia D.C. Woodman, MSc PhD
Lecturers
Ian Cathers, BSc MBiomedE *U.N.S.W.* DipEd *S.T.C.*
Elizabeth Hegedus, BSc *Tas.* PhD *U.N.S.W.*
Peter K. Knight, BVSc PhD MBA AJJVIM
Ann M.C. Murphy, BSc *Qld* MSc *Auck* PhD *Qld*
Helen E. Ritchie, BSc *Qld* MSc PhD
Dana Strain, BS *Purdue* MSc DipTertEd *N.E.*
Gilbert J. Vella, BSc PhD *U.N.S.W.* DipEd *S.T.C.*
Svetlana Warton, MSc *Moscow State* PhD *U.S.S.R. Academy of Science Moscow*
Patricia Weerakoon, MB BS *Ceyl.* MS *Hawaii* MHPEd *U.N.S.W.*
Catherine Willis, MSc *U.N.S.W.* DipPhty *Cumb.* DipTertEd *N.E.*
Associate Lecturers
Jan Douglas-Morris, BSc MHPEd *U.N.S.W.* GradDipPhty *Cumb.*
Deepika Mahajan, Bsc Msc *Gndu* Mphil PhD *PU*
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Gautham Jayachandran, BSc *U.N.S.W.*
David Lockwood, BSc *Macq.*

School of Communication Sciences and Disorders

Head of School
Professor Vicki Anne Reed, BS *Northwestern* MA *Denver* EdD *N.Colorado,* FASHA. Appointed 1994
Honorary Professor
Chris Code, MA *Essex* PhD *Wales* DipCST, AFBPsS C Psychol
Senior Lecturers
Susan Balandin, MA PhD *Macq* Dip (Speech Therapy) *West End Hosp. Speech Therapy School, UK*
Michelle Lincoln, BAppSc *Cumb.* PhD
Jan van Doom, BSc *Adel.* PhD *U.N.S.W.*
Lecturers
Elizabeth Armstrong, BAppSc *Cumb.* MA(Hons) PhD *Macq.*
Linda S. Hand, BA *Cant.* MA *Iowa* DipT(SpTher) DipEd

Kerrie Lee, *BAN'cle(N.S.W.)* MA PhD *Macq.*
Alison A. Purcell, MAppSc *Cumb.*
Christine Sheard, MAppSc *Cumb.*
Postdoctoral Fellow
Leanne Togher, BAppSc *Cumb.* PhD
Clinical Educators
Sonia Bestulic, BAppSc
Felicity Burke, BAppSc *Cumb*
Suzi Drevensek, BAppSc
Shilpi Joshi, BAppSc *Cumb* McommDis
Leanne Katz, BSc *Cape T.*
Diana Maloney, LACST GradDipComm *Hawk. CAE*
Patricia McCabe, BAppSc
Natalie Munro, BAppSc
Christine Vila, BAppSc
Moira Walton, BAppSc *La Trobe*
Honorary Research Associates
Phillip Dermody, BA MA *Northwestern* PhD *U.N.S. W.*
Ellen Giles, MSc *Keele*
Jenny Harasty, BAppSc *Cumb.* MAppSc PhD
Manfred Herrmann, MD PhD Dip *Albert-Ludwigs*
Lee Kethel, BA, MA *Macq*
Andrea Lynch, BSpThpy *Qld*
Barbara Plath, BSpThpy *Qld*
Merril Steward, *BAAuck*
Catherine White, BSpThpy *QldFGDrp QUT*
Honorary Teaching Associates
Teresa M. Anderson, BAppSc *Cumb.* PhD *Macq.*
Honorary Clinical Associates
Maria Berducci, BAppSc *QLD*
Belinda Crofts, BAppSc *Cumb*
Monika Kaatzke-McDonald, BAppSc *Cumb* MAppSc
Belinda Kenny, BAppSc *Cumb* MAppSc
Caylie Maltby, BSpTherapy *Qld*
Eva Nemeth, BAppSc *Cumb* DipMusic *NSW Cons Music*
Sue Radovich, BAppSc *Cumb*
Magdalen Rozsa,BAppSc *Cumb*
Christine Taylor, BAppSc *Cumb*
Administrative Officer
Diane Gray

School of Exercise and Sport Science

Head of School
Margaret Torode, BAppSc *PIT*'MSc PhD *Oregon* DipTeach *GTC*
Associate Professor
Martin W. Thompson, MSc *Lough.* PhD *Lond.* DipPE TSTC *Melb.* AdvDipPE *Leeds*
John Sutton Chair of Exercise and Sport Science
Maria Fiatarone Singh, MD *Calif.*
Senior Lecturers
John R. Brotherhood, MBBS *Lond.*
Chin M. Chow, MSc *Otago* PhD
Richard M. Smith, BSc *U.N.S.W.* MSc *Macq.* MEd *Mane.* MA *Macq.* PhD *W'gong* DipEd
Lecturers
Thomas H. Gwinn, BAppSc *Cumb.* BSc
Michael S. Lee, BE *U.N.S.W.* BAppSc *Cumb.* MBiomedE *U.N.S.W.*
Nicholas P. Linthorne BSc *Qld* PhD *WAust.*
HelenT. O'Connor, BSc *U.N.S.W.* DipN.D.
Rhonda Orr, BPharm MEx&SpSc
Peter J. Sinclair, BPE MEd *WAust.*
Honorary Research Fellows
Grace J. Bryant, GradDipEx&SpSc *Cumb.* MBBS
Grahame M. Budd, MB BS, MD, FRACP
Barry V. Holcombe, PhD *U.N.S. W.*
Technical Staff
Diane M. Eager, BiolTech(HCert) *S.T.C*
Raymond L. Patton, BiolTech(HCert) *S.T.C*
Patricia A. Ruell, BSc
Timothy J. Turner, BAppSc *N.S.W.I.T.* MAppSc *U.T.S*
Administrative Staff
Lyndall M. Burke

School of Health Information Management

Head of School
To be advised
Professor
Beth Reid, BA *Macq.* MHAPhD *U.N.S.W.* Appointed 1996
LECTURERS
Joanne CaEen, BA DipEd *U.N.S.W.* MPH
Janelle Craig, BAppSc(MRA) *Cumb.* MCom *U.N.S.W.*
Vera Dimitropoulos, BAppSc(MRA) *Cumb.*
SuzanneEssery, BAppSc(MRA) *Cumb.* MHA *U.N.S.W.*
Angelika Lange, Dipl. Psych. MA(InfSc) *EU. Bed.*
TinaMagennis, BAppSc(HJM) *Cumb.* MHA *U.N.S.W.* Grad Cert(fflthScEd)

School of Medical Radiation Sciences

Head of School
Alastair Davison, BSc PhD *Melb.*
Senior Lecturers
Jill Clarke, DipAppSc GradDipAppSc *R.M.I.T.* DMU *A.S.U.M.* BAppSc MHlthScEd
Jenny Cox, BA *Macq.* ARMIT
Ingrid Egan, BSc *Macq.* MSc *U.T.S.* Dip Teach *S.CA.E.* AssDipMedRad *S.T.C.*
Donald McLean, BSc *U.N.S.W.* MAppSc *Q.I.T.* PhD *Q.U.T.* DipEd *Canb.*
Ann Poulos, BA *Macq.* DipRad *U.K.* DipEd *Macq.*
Lecturers
Edwina Adams, CertNucMed *S. T. C.* BAppSc
John Atyeo, BA *U.T.S.* AssDipRadTech *SA.I.T.* MhlthScEd
Rachael Beldham-Collins, BAppSc *N'cle(N.S.W.)* MHlthScEd
Edward Caruana, BAppSc *Cumb.*AssDipMedRad *S.T.C.* GradDip Mgt *UTS* BAppSc MEd RN FCN FTR
Simon Cowell, BEd *S.CA.E.* MEd *U.T.S.* AssDipAdultEd *S.CA.E.* CertNMTS.ZC.
BarrieEgerton, MSc *Salf* BSc *Wales*
Jane Fonda, CertRad *R.M.I.T.* DMU *ASUM* BAppSc
Peter Kench, BAppSc GradCertfflthScEd
Elisabeth Kilburn-Watt, BSc BA *Tor.* MA *Macq.*
Sarah Lewis, BAppSc
Marianne Rinks, BEd *U.T.S.* CertRad *S.T.C.*
John Robinson, CertRad *S.T.C.* BAppSc
Natalka Suchowerska, BSc *Aston* MAppSc *U.T.S*
Associate Lecturers
Jocelyn Barnes, BAppSc GradCertHldiScEd

School of Occupation and Leisure Sciences

Head of School
Jane E. Gamble, BAppSc (OccTher) *Lincoln* MHPEd *U.N.S.W.*
Associate Professor
Gwynnyth M. Llewellyn, BA Med DipContEd *N.E.* Dip OT PhD

Honorary Associates
Lynne Adamson, B AppSc(Occ Ther) *Lincoln* MAppSc(OccTher)
Danielle Lord, BAppSc(Occ Ther)
Colleen Mullavey-O'Byrne, MA *Macq.* DipOT ATCL
Senior Lecturers
Christine J.Chapparo, *MA Macq.* DipOT, OTR FAOTA
Maureen H. Fitzgerald, BIS *G.M. U.* PhD *Hawaii* RN
Lecturers
Laurence V. Bathurst, MA Leisure Studies *UTS* AssocDipDT *Cumb.* GradDip Leisure Mgt *U.T.S*
Ruth O. Beltran, BSOT MA *UP.,* OTRP
Catherine E. Bridge, BAppSc *Cumb.* MCogSc *UNSW*
Philip W. Chan, MAppSc *Curtin* DipOT TDipCOT *Brit.* RN AIM
Lindy Clemson, BAppSc TOUT DipOT *U.N.S.W.* MAppSc
Harold E. Davey, BA BEd *Melb.* MA (Educ) *Lond.*
Michelle Donelly, BAppSc *Cumb.* MA *Macq.*
SusanD. Griffin, BAppSc (OT) *Cumb.* MA(Hons) *U.N.S.W.* PhD *W'gong* GradDip (AppBehSc) *Cumb.*
Anne M. Hillman, BAppSc (OT) *WALT,* MAppSc(OT)
Eveline J. Innes, BAppSc (OT) *W.A.I.T.* MHPEd *U.N.S.W.*
Brett O'Neill, BAppSc *Cumb.* MA *Macq.* DipRM
Judy L. Ranka, BSc (OT) *W.Mich.* MA *Macq.* OTR
Robyn L. Twible, MA *Macq.* DipOT
Associate Lecturers
Julie Kruss, BAppSc(L&H) DipAppSc(DT)
K.Linehan, B AppSc(OT)
Stuart Thome, DipAppSc(DT) JP
Associate Lecturers (Research only)
Anne Honey, BEcon *Macq.* BAppSc(Occ Ther)
David McConnell, BAppSc(Occ Ther)
Kirsty Thompson, BAppSc(Occ Ther)
Special Projects Officer
Cheryl Bates, DipTeach (Nursing) *S.C.A.E.* RN CM

School of Physiotherapy

Head of School
Associate Professor Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas.* DipTP *Edin.*
Professor
Joy Higgs, BSc MHPEd PhD *U.N.S.W* GradDipPhty *Cumb.* Appointed 1994
Associate Professor
Nicholas O'Dwyer, BA *Dublin* MA *U.ColLDublin* PhD *U.N.S.W*
Honorary Professor
Roberta B. Shepherd, MAEdD *Col.* DipPhty, FACP
Honorary Associate Professor
Janet H. Carr, MA EdD *Col,* DipPhty, FACP
Senior Lecturers
Louise Ada, BSc PhD *U.N.S.W* MA *Col.* GradDipPhty *Cumb.*
Roger Adams, *BA Adel.* PhD *U.N.S.W.*
Jennifer Alison, DipPhty MSc *Lond.*
Elizabeth R. Ellis, BSc *U.N.S.W.* MSc *Boston* GradDipPhty *Cumb.* PhD
Robert D. Herbert, BAppSc *Cumb.* MAppSc PhD *U.N.S.W.*
Sharon L. Kilbreath, BScPT *Qu.* MCISc *W.Ont.* PhD *U.N.S.W.*
Raymond Lee, MPhil *H.K. Poly.* PhD *Stratclyde*
Christopher Maher, BAppSc GradDipAppSc(ManipPhty) GradDipAppSc(ExSS) *Cumb.* PhD
Kathryn M. Refshauge, MBiomedE PhD *U.N.S.W.* DipPhty GradDipManipTher *Cumb*
Lecturers
Robert A. Boland, BAppSc PhD GradDipAppSc(ManipTher) *Cumb.*
Jane Butler, MEd *U.N.S.W.* DipPhty *Auck.* GradDipAppSc(PaedPhty) *Cumb.*
Colleen G. Canning, BPhty *Qld* MA *Col.* PhD
Cathy Dean, BAppSc *Cumb.* MA *Col.* PhD
Genny Dwyer, BAppSc (Phty) *Cumb* GradCert(AdultEd) *N.E.* GradDipAppSc(PaedPhty-Hydro) *Curtin* MAppSc(Phty)
Virginia Fowler, BAppSc *Lincoln* MAppSc(Phty)
Carolyn Gates, MAppSc(Phty)
Cheryl Hobbs, MAppSc *S.Aust.* DipP&OT *Tor.* GradDipMgtHlthSciences *SAust.*
Adrienne E. Hunt, MBiomedE *U.N.S.W.* GradDipPaedPhty *Cumb.*
Gwenda F. Lansbury, BAppSc *Lincoln* BA *Monash* MCH *U.N.S.W.*
Dale Larsen, BAppSc GradDipManipTher *Cumb.* MAppSc(ManipPhty)
Jane Latimer, BAppSc *Cumb.* GradDipAppSc(ManipPhty) PhD
Martin Mackey, BAppSc *Cumb.* MSafSc *U.N.S.W.* BEc
Lyndal Maxwell, BAppSc(Phty) *Lincoln* GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phty)
Bredge McCarren, BSc *U.N.S.W.* GradDipPhty *Cumb.* GradDipAppSc(Cardiothoracic) *LaT.* MAppSc(Phty)
Grant McCormick, DipPhty GradDipManipTher *Cumb.* MHScEd
Joanne Munn, MAppSc Grad Cert(Ed)
Leslie Nicholson, BAppSc GradDipAppSc(SportsSc) GradDipAppSc (ManipPhty) *Cumb.*
Eva Schonstein, BAppSc *Cumb.* MHPEd *U.N.S.W.*
Debra Shirley, BSc *U.N.S.W.* GradDipPhty GradDipManipTher *Cumb.*
Karyn Whelan, BAppSc *Cumb.* MAppSc
Vicki K. Williams, BAppSc *Cumb.* MEd *U.N.S.W.*
Associate Lecturers
JanNaughton, *BAA.N.U.* BAppSc(Phty) *Cumb.* GradDip(Spt.Med.) *Lond.*
Mark Stewart, BAppSc (Phty) MPH(Hons) Grad CertQEd)
Academic Program Administrator
Lyn Higgs, BSc *U.N.S. W.* BA *W'gong*
Ayanthi Salgado, LLB *Sri Lanka* MA(Int.Rel) Dip(IntAff)

Yooroang Garang: School of Indigenous Health Studies

Head of School
Kathleen Clapham, BA PhD
Senior Lecturer
Freidoon A. Khavarpour, BA *Pahlavi* MA PhD *Mich.*
Lecturers
Angela Dawson, BA *Cant.* MA *Lond.*
Sally Farrington, BSc MHPEd [/.#.£ ly.GradDipPhty *Cumb.*
Bruno A. Gelonesi, MA *Macq.* GradDipEdSt *Nepean* C. A.E.
John Grootjans,BSc *Cumb.* MSc *W.Syd.* DipEd RN
John Maskell, BA *Deakin* BEd *JUC* GradDip(Arts) MEd *S.Aust.*
Shane Merritt, BA *N.E.* MA (Psych)
Susan Page, BA *U.N.S. W* RN CM
Associate Lecturers
Alison Craigie-Huggins, BA *Deakin*
John Parsons, BA(Ed) *Deakin*
Shayne Williams, BEd(Adult&Comm.Ed) MEd(AdultEd) Dip(Adult&Comm.Ed) *UTS*
Marie Taylor, BSc *NZ.*
Technical Staff
Dean Williams, Dip (Graphic Design)
Administrative Officer
Christine Yorkston

Centres

Australian Stuttering Research Centre

Director
Associate Professor Mark Onslow, MAppSc *Cumb.* PhD

National Voice Centre

Director
Associate Professor Pamela J. Davis, LACST PhD *U.N.S.W.*
Associate Professor Dianna T. Kenny, MA *Macq.* BA PhD DipEd

Rehabilitation Research Centre

Director
Associate Professor Glen M. Davis, BPE *Ott.* MA *W.Ont.* PhD *Tor.*, FACSM
Research Fellow
Terry Ly, PhD *U.N.S.W.* BVSc
Jacqui Raymond, BAppSc (HM) GradDipSci *W'gong* PhD

Cumberland Health and Research Centre

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

Reception
Reception Services Coordinator
Neryl Clarke
Receptionists
Lycy Brombal
Anne Gardener
Myra Richards
Ivene Zurzawa

Occupational Health Unit
Administrative Assistant
Elizabeth Conyard
Audiologist
Greg Nicoll, BE(Electrical) *U.N.S.W.* GradDipAud*Macq.*
Occupational Physician
Tom Rosenthall, MBBS FAPOM OccPhys
Occupational Therapists
Rob Hardy, BApp Sc (Occ Ther)
Lynn Kay, BOccThy
Physiotherapist
Moira Finch, DipPhys
Psychologists
Fiona Green, MAPsych MAPsS
Thomas O'Neill, BA MClinPsy *Macq.*, MAPsS
Rehabilitation Counsellor
Margaret Elken, MRehabClng DipPhty
Specialist Trained Driving Instructor
Dean McMillan

Health Clinic
Consulting Medical Practitioner
Dr James S. Harrison, MBBS
Consulting Orthopaedic Surgeon
Martin R. Sullivan, FRACS
Consulting Orthoptist
Neryla Jolly, MA *Macq.* DOBAT *U.K.*
Consulting Physiotherapists
Karen G. Ginn, BSc MHPEd *U.N.S.W.* DipPhty GradDipManipTher *Cumb.* DipTertEd *N.E.*
Terry O'Grady, BPhty HMS *Qld* MARA
Consulting Podiatrist
Susanne Olsen, AssDipPod MA(Pod)
Consulting Masseur
Peter Butler, DTM

Continuing Professional Education and Conference Unit
Acting Program Coordinator
Wayne Fulford, BSc *UWA* BEd *WAIT MPH Curt*
Administrative Assistant
Margaret Maroki-Badal

National Centre for Classification in Health

Director
Associate Professor Rosemary Roberts, BA MPH MBA *Monash*
Associate Director/Classification Support and Development Manager
Kerry Innes, AssocDip(MRA) *Cumb*
Classification Support and Development Coordinator
Michelle Bramley, BAppSc(HIM)
Project Officers
Linda Best, AssocDip(MRA) *Cumb*
Tiffany Chan, MOperations Mgt *W.Syd* BAppSc(HIM)
Megan Cumerlato, BAppSc(HIM)
Judith Hooper, BAppSc(MRA) *Cumb*
Monica Komaravalli, B AppSc(HIM)
Allison Lawer, BAppSc(HIM)
Merrilyn Morris BApSc(HIM)
Patricia Saad, BAppSc(HIM)
Publications and Technology Manager
Rodney Bernard, GradDipDesign Studies *UTS*
Publications Officer
Chantel Garrett
Project Officer - Specialty Books
Ann Jones BAppSc(Info) AALIA
Publications Assistant
Elizabeth Azel, DipCom *Natal*
*Education and Quality Manager**
Karen Peasley, AssocDip(MRA) *Cumb*
*Education and Quality Coordinator**
Vacant
*Senior Quality Officer**
Irene Kearsey, BAppSc(MRA) *Lincoln* MA(Archives & Records) *Monash* GradDip(Hlth Admin) *Lincoln*
Consultants
Gay Lysenko, AssocDip (MRA)
Julie Rust, B AppSc(HIM)
Andrea Groom, AssocDip(MRA) *Lincoln*
Information Systems Officer
Nicole Schmidt, AssocDegAppSc(Resource Tech.) *S.Cross*
Database Administrator
Catherine Stanhope
Project Coordinator, Professional Relativities Study
Richard Juckes, BA *TAS*
Executive Officer
Christine Erratt, BBus(Accounting) WSAssocDip(MRA) *Cumb*
Research Officer
Donna Truran, B A(Psych)
Administrative Assistants
Imelda Noti
Tina Stanhope

Administration

Campus management

Acting Campus Manager
Phillip Sorbello
Secretary to the Campus Manager
Maureen Marchant

Building and Grounds Division

Manager
Phillip Sorbello
Project Manager
John Sommers
Senior Works Supervisor
Andy Galloway
Grounds Manager
Farid Payenda

Information Technology Services Division

Head
Prakash Chordia, MSc(Tech) BITS *Pilani*
Project Manager
Graeme Martin
Operations Supervisor
Glenn Russell
Network Manager
Janusz Tydda, MA *Warsaw*

*located at the School of Public Health, La Trobe University

PC Support
Michael Chang, BSc(Civil Eng.) *Taiwan* Dip of Computer.TechS.IC.
Bala Muraleetharan, BSc(Computing) *W.Syd*

Property Services Division

Head
Sharon Vaughan
Assets Manager
vacant
Security Manager
Bruce Murray
Records Manager
vacant
Residential Manager
Linda Thompson

Purchasing and Production Services Division

Head
Ian McAulay
Purchasing Officer
Greg Gaal
Printing Manager
Dianne Gillespie

Student Administration Services Division

Head
Bharati Jayachandran
Undergraduate Officer
Linda Dewar, *BAN.E.*
Graduate Officer
vacant
Examinations Officer
Eileen Logan
International Student Officer
Nancy Leong

Student Welfare Services Division

Head
Andrea Chan MA *NZ* MA *ANU* PhD RSACertTEFLA GradDipMLTLTCL
Academic and Communication Skills Tutors
Rosalie Thomson BA AffiLicDip S&D GradDipSC *W.Syd.* MA GradCertTESOL
Marie Clugston BA MLitt MA DipContEd *NE* PhD RSA CertTEFL
Tutor/International Student Advisor
May Thet Tun, MA *Mandalay* MA(TEMJ GradDipAfac?.
Student Counsellor
vacant
Disability Services Officer
Susanne Hebblewhite

Financial Services

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

Health Sciences Library

Health Sciences Librarian
Helen Mary Knight, DipLib *U.N.S.W.* BA
Senior Librarian
Stephen T.K.Chan, BSocSc *H.K.* MBA *U.T.S.* DipLib *U.N.S.W. AALIA*
Librarians
John Paul Cenzato, BA *U.N.S.W.* GradDipLibSc *K.C.A.E.*
Garry Hamilton, BA DipIMLib *U.N.S.W.* AALIA
Kushum L. Karan, BA(LIS) C.C.A.E AALIA
Dorothy Kass, BA DipLib. *U.N.S.W.* DipEd AALIA
Dawn Payoe, BSc(Econ) *Lond.* GradDipLibSc *K.C.A.E.* ACIS AALIA
Elaine Y. L. Tam, BEd *Nott.* MLib. *U.N.S.* MTeach. Cert. *H.K.* DipIMLib

Personnel

Personnel Manager
Melody Newman
Senior Personnel Officer
Ramen Chetty
Personnel Officers
Marilyn Croft
Alan Frost
Jan McGregor

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

CHAPTER 2

Guide to the Faculty

History

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

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

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

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

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

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

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

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

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

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

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

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

Objectives

The primary objectives of the Faculty are:

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

The supporting objectives are:

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

Academic Governance

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

Constitution of the Faculty of Health Sciences

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

Structure

The Faculty's academic structure comprises ten professional schools:

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

The Faculty's administrative structure comprises eight divisions:

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

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

Centres

The Cumberland Health and Research Centre

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

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

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

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

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

Australian Stuttering Research Centre

This Centre of Faculty was established in January 1996, and is supported partly by Faculty funds and partly by external, Commonwealth Research Grants. Staff of the Centre work closely with speech pathologists in the Stuttering Unit, Bankstown Health Service. The purposes of the Centre are to:

- Conduct world class stuttering research
- Establish national and international collaborative research links
- Provide mentorship for Australian stuttering treatment researchers
- Disseminate to Australian and international speech pathologists information about how stuttering treatment research informs clinical practice
- Provide professional continuing education to Australian and international speech pathologists
- Provide postgraduate research programs in stuttering research
- Disseminate to the Australian community information about stuttering treatment.

Staff research interests draw on several disciplines that are applied to stuttering research, including acoustics, linguistics, physiology and psychology.

National Voice Centre

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

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

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

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

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

Rehabilitation Research Centre

In March 1989, the Rehabilitation Research Centre was established with the charter to raise research productivity in the area of rehabilitation. Given that research in rehabilitation has an impact on the scientific, clinical and professional communities, it is appropriate that a Rehabilitation Research Centre should have clear and achievable research, educational and promotional functions.

The research objectives for the Centre are to:

- Increase research productivity, publication and scholarship in the area of rehabilitation;
- Stimulate and provide training programs for beginning researchers, and clinicians;
- Attract eminent rehabilitation researchers;
- Provide stimulating research environments for postgraduate students;
- Organise and conduct national and international symposia on rehabilitation;
- Provide a limited, but high quality rehabilitation service for patient assessment.

National Centre for Classification in Health (NCCH) Sydney

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

The objectives of the Centre include:

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

WHO Regional Collaborating Centre for Rehabilitation

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

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

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

Inter-institutional agreements

The Faculty has developed links with the following institutions:

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

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

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

CHAPTER 3

Faculty courses

General admission requirements

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

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

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

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

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

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

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

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

There are no specific subject prerequisites for admission to any undergraduate courses in the Faculty of Health Sciences, but applicants are advised that they would benefit from undertaking HSC subjects listed under the section 'Knowledge Expected of Commencing Students' on the following pages.

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

Admission based on a tertiary record

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

Failure and Exclusion

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

Special consideration for admission for applicants with tertiary study

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

For an application form please contact the University's Admissions Office, phone (02) 9351 4117/4118. Submit the application form and all supporting documentation to the Admissions Office by 30 November 2001.

Overseas qualifications

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

Mature Age Entry Scheme

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

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

Educational access schemes

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

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

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

Broadway Scheme

The Broadway Scheme is intended for current Australian Year 12 students who are eligible to receive a UAI or equivalent for the first time in 2001.

You may apply for the Broadway Scheme if

- You are attempting a standard 2001 Australian Year 12 and
- You can demonstrate that your educational performance has been affected by circumstances beyond your control for a period of 12 or more months.

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

Educational Disadvantage Admission Scheme

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

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

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

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

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

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

Rural Students Entry Scheme (Physiotherapy)

If you sat for an Australian Year 12 examination in either 2000 or 2001, completed all your secondary education at a rural school, and have never attempted tertiary studies, you may apply under the School of Physiotherapy's Rural Students Entry Scheme. Under this scheme you may be admitted if your UAI is not more than 5 points below the Main Round UAI cutoff.

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

Multicultural Entry Scheme

For students from non-English speaking background
Recognising the need to increase the number of health professionals with the linguistic skills and cultural backgrounds that will assist them to deal with the needs of non-English speaking persons in the Australian community, the Faculty of Health Sciences will offer up to 5 per cent of places to 2001 NSW HSC students who have appropriate language skills and an understanding of the needs of community groups with English as a second language.

Applicants for entry under the scheme are required to sit for an externally assessed test for which a fee is payable. For further information contact Student Administration (Cumberland), phone (02) 9351 9574.

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

Please note that the above schemes are not available to international students.

Vocational Entry Scheme

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

Australian Aboriginal and Torres Strait Islander Students

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

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

Cadigal applicants currently undertaking year 12 will be eligible for consideration for admission upon completion of the NSW Higher School Certificate (or equivalent) with the minimum UAI as set by the Cadigal Program for the course applied for. Non-HSC applicants will be eligible for consideration for admission upon completion of an approved tertiary preparation course (including any 'assumed knowledge' subjects relevant to the course of study applied for), completion or partial completion of an accredited course at a tertiary institution or demonstration of, to the satisfaction of the Admissions Committee, a capacity to succeed in course work at university level.

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

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

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

Special cases

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

Additional selection criteria

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

Behavioural and Biomedical Sciences

Students undertaking any undergraduate course in the Faculty are required to study anatomy, physiology, psychology and sociology as core areas.

The depth to which these areas are studied depends on the requirements of individual courses. In a number of courses, other areas of science are studied including biochemistry, biophysics, microbiology, biomechanics, applied physiology or research methods.

Behavioural Sciences

Behavioural Science units are normally made up of three strands: psychology, sociology and research methods.

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

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

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

Biomedical Sciences

Biomedical Sciences units include the following areas of study:

Anatomy is the study of the structure of the human body and the relationships of body parts to provide a basis for understanding how the body functions. It involves investigation of cells, tissues, organs and systems (including the skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, renal and reproductive systems).

Physiology is the study of the mechanisms of body function, the physical, chemical, biochemical and homeostatic processes operating at the cellular level and at the level of the human organism.

Biochemistry and *Biophysics* include the physics and chemistry necessary for an understanding of biological processes and systems.

Microbiology is the study of microorganisms, and in particular their interactions with man. The ways in which diseases may be transmitted, and their prevention is emphasized.

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

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

Knowledge expected of commencing students

In pursuing any biological science or applied science course at university level, a basic knowledge of biology/physiology, chemistry, mathematical or physics concepts is essential to an understanding of theories of structure and function of the human organism. Rather than define specific mathematics and science subjects as prerequisities, the Faculty has provided the following information to assist applicants gauge their preparedness to undertake particular programs of study. This assumed knowledge does not apply to programs in Aboriginal Health and Community Development or Rehabilitation Counselling.

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

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

Biology

(relevant to all students)

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

Chemistry

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

- Understanding of the following concepts and terms: atom, subatomic particles (proton, neutron, and electron), periodic table, electronic configuration, ions, covalent, and ionic bonds, electronegativity and shape, metals and non-metal.
- Knowledge of the names and chemical symbols of the first thirty-six elements of the periodic table, and other common elements.
- Knowledge of the following concepts and terms: types of compounds such as acids, bases, pH, salts, mole, molar mass, solids, liquids, gases, temperature, and bond energies.
- Knowledge of the usual valencies of the common elements, ions and polyatomic ions.
- Ability to write word, ionic, and stoichiometric equations for chemical reactions.

Grammar

(relevant to Speech Pathology and Hearing and Speech)

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

Mathematics

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

- Identify and be familiar with the following concepts and terms: number, numeral, variable, reciprocal, ratio, function, logarithm (exponent or index).
- Knowledge of laws of indices, and the associated behaviour of logarithms.
- Ability to perform the following algebraic operations: multiplying through brackets; collecting like terms; changing the subject of simple formulae.
- Ability to solve linear simultaneous equations in two variables, such as:
  $x + 2y = 5$
  $2x - 3y = 4$
- Ability to use scientific notation for large and small numbers, and to multiply, divide, add and subtract numbers written in this notation.
- Knowledge of the trigonometric ratios, sine, cosine and tangent, and the ability to determine their values for angles.
- Ability to draw graphs of the following kinds of relations:
  $y = mx + b$
  $y = ax2+ bx + c$
  $y = 1/x^m$
- Ability to carry out quick and accurate computations using a digital calculator.
- Ability to draw a graph of the relationship of a dependent variable to an independent variable and to be able to interpret such graphs.
- Ability to differentiate and integrate functions including polynomials, exponentials and trigonometric functions.

Physics

(relevant to Medical Radiation Sciences, Physiotherapy and Orthoptics)

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

Honours programs (Undergraduate)

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

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

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

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

Aboriginal Health and Community Development
Hearing and Speech.
Rehabilitation Counselling

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

Bridging courses for undergraduate and postgraduate students

Bridging courses may be offered on Cumberland campus in Chemistry, Biology, Physics, and Grammatical Analysis (for Speech Pathology and Hearing and Speech students only). These courses are recommended for undergraduate as well as postgraduate students who feel that they have not attained the required level of assumed knowledge described above. Preparatory courses are also offered in *English for Academic Purposes,* and in *Academic and Communication Skills* for both undergraduates and postgraduates. These are especially relevant for students from non-English speaking backgrounds, special entry students, and mature-age students returning to study after a long absence.

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

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

Information about bridging courses is sent out with offers of admission into undergraduate and graduate programs. Prospective students are advised to complete the appropriate course if in any doubt as to their capacity in any of the above areas.

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

Prizes and scholarships

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

Scholarships

For a full list of scholarships available to undergraduate or postgraduate students, see the University web site at www.usyd.edu.au/su/reschols/scholarships/schol.html, or consult the Calendar, Volume E.

Postgraduate awards

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

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

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

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

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

Clinical supervisory positions for postgraduate students

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

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

Research assistantship

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

Financial assistance

Youth allowance

Any students who is aged under 25 when seeking financial help from Centrelink, may be able to claim Youth Allowance, for which eligibility is based on both income and assets tests. These tests are applied to all claimants and if he/she is dependent, to their parents' situation as well. Where the student is married the tests are applied to their partner, but single independent students are assessed only on their own income and assets. In normal circumstances, students must be full-time (ie, have a workload in each semester with a weighting of at least.375). Rent Assistance may also be available for students living away from home and paying rent.

Austudy

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

ABSTUDY

Similar conditions apply as to Youth Allowance and Austudy, although there is no age division. Contact 13 23 17 for advice.

Finding out more

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

Table 3.1: Undergraduate and postgraduate prizes and scholarships

Award or prize	Value	Criteria
School of Applied Vision Sciences		
The John Pockley/Patricia Lance Prize	$100	Awarded to the student with the highest general proficiency demonstrated in the Bachelor of Applied Science (Orthoptics) course.
The Orthoptic Association of Australia, NSW Branch Prize	$150	Awarded to an honours student with the highest marks for a research report in the Bachelor of Applied Science (Orthoptics) Honours course.
School of Communication Sciences and Disorders		
The NSW Branch of the Speech Pathology Association of Australia Prize	$200	Awarded to the student with the highest general proficiency in the final year of the Bachelor of Applied Science (Speech Pathology) course.
The Private Speech Pathologists' Association of NSW Prize	$100	Awarded to the student with the greatest clinical proficiency during the final two years of the Bachelor of Applied Science (Speech Pathology).
The Private Speech Pathologists' Association of New South Wales Masters' Thesis Prize	$100	Awarded to a student for a Masters' thesis of outstanding merit in the School of Communication Sciences and Disorders.
School of Exercise and Sport Science		
The Gatorade Prize	$250	Awarded to the third year student with the highest aggregate marks in the units Biochemistry of Exercise, Exercise Physiology I, II and III in the Bachelor of Applied Science (Exercise and Sport Science) course.
The NSW Institute of Sport Prize	$250	Awarded to the third year student with the highest aggregate marks in the units Quantitative Biomechanics, Sports Biomechanics I and II in Bachelor of Applied Science (Exercise and Sport Science) course.
The Sports Medicine Australia (NSW) Prize	$100*	Awarded to the third year student with the highest aggregate marks in the Bachelor of Applied Science (Exercise and Sport Science) course. Those continuing to Honours are eligible. (*plus 1 year membership of Sports Medicine Australia)
School of Health Information Management		
The Hilda Roberts Memorial Prize	$100	Awarded to the most proficient student on completion of the final year in the Bachelor of Applied Science (Health Information Management).
The National Centre for Classification in Health Prize for Clinical Coding	$100	Awarded to the student with the highest aggregate mark in the unit Clinical Classification IHA in the Bachelor of Applied Science (Health Information Management) course.
The NSW Health Department Clinical Classification Prize	$200	Awarded to the student with the highest aggregate marks in the units Clinical Classification ULA and TIIB in the Bachelor of Applied Science (Health Information Management) course.
The NSW Health Department Clinical Classification Graduate Diploma Prize	$200	Awarded to the student with the highest aggregate mark in the units International Disease Classification Systems A and B in the Graduate Diploma of Applied Science (Health Information Management) course.
School of Medical Radiation Sciences		
Academic Achievement, Year 1, School Award	$200	Awarded to the first year student attempting year 1 for the first time and passing all units of study at the first attempt wim the highest aggregate marks over all year 1 units in the Bachelor of Applied Science (Medical Radiation Sciences) course. The student gaining this award is not eligible for the stream award.
Academic Achievement, Year 1, Stream Award	$100	Awarded to the first year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting year 1 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 1 units.
Academic Achievement, Year 2, School Award	$200	Awarded to the second year student attempting year 2 for the first time and passing all units of study at the first attempt wim the highest aggregate marks over all year 2 units in the Bachelor of Applied Science (Medical Radiation Sciences) course. The student gaining this award is not eligible for the stream award.
Academic Achievement, Year 2, Stream Award	$100	Awarded to the second year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, Radiation Therapy) in the Bachelor of Applied of Science (Medical Radiation Sciences) course attempting year 2 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 2 units.
RadSoft Award for Excellence in Therapy Planning	$350	Awarded to the student in any stage of the Radiation Therapy program in the Bachelor of Applied Science (Medical Radiation Sciences) course with excellence in radiation therapy treatment planning.
The Jillian Salter Memorial Award	$300	Awarded to a non-metropolitan student with the highest aggregate marks across all second year units of study in the Diagnostic Stream in the Bachelor of Applied Science (Medical Radiation Sciences) course.
The Kodak Award for Excellence	$200	Awarded to the student with the highest mark in the assessment of their Honours Thesis in the Bachelor of Applied Science (Medical Radiation Sciences) course.
The Dianne Court Memorial Award for Academic Excellence	$300	Awarded to the student wim the highest academic excellence in the Graduate Diploma of Health Science (Medical Sonography) course.
The Dianne Court Memorial Award for Clinical Excellence	$300	Awarded to the student with the greatest clinical excellence in the Graduate Diploma of Health Science (Medical Sonography) course.

Table 3.1: Prizes and scholarships - continued

Award or prize	Value	Criteria
School of Occupation and Leisure Sciences		
The Diversional Therapy Association of NSW Prize	$200	Awarded to the student with the highest aggregate marks for the units in the Client Groups Strand in the Bachelor of Applied Science (Leisure and Health) course.
The Novartis Pharmaceuticals Prize	$100	Awarded to the student with the highest aggregate mark in the units Occupational Role Development I and II in the Bachelor of Applied Science (Occupational Therapy) course.
The NSW Association of Occupational Therapists' Prize	$100	Awarded to the student with the highest aggregate marks in the units Occupational Therapy Theory and Process LA, IB, HA, HB, HI and IV in the Bachelor of Applied Science (Occupational Therapy) course.
The Smith and Nephew Prize for for Human Occupations	products to value of$350	Awarded to the student with the highest aggregate marks in the units Human Occupations LA, LB, LIA, HB, HI and IV in the Bachelor of Applied Science (Occupational Therapy) course.
School of Physiotherapy		
The Alcusal Prize for Research	$150	Awarded for the best undergraduate research project submitted by a student completing an individual Honours program within the School of Physiotherapy.
The Australian Physiotherapy Association Prize	$250	Awarded to the most proficient graduand in the Bachelor of Applied Science (Physiotherapy) course
The Australian Physiotherapy Association Clinical Education Prize	$250	Awarded to the student exhibiting the highest standard of clinical practice in the Bachelor of Applied Science (Physiotherapy) course.
The Cardiothoracic Prize	$200	Awarded to the student exhibiting the highest proficiency in Cardiopulmonary Physiotherapy in the Bachelor of Applied Science (Physiotherapy) course.
The J. Val Simpson Memorial Prize for Manual Therapy	$100	Awarded to the student exhibiting the highest proficiency in Manual Therapy in the Bachelor of Applied Science (Physiotherapy) course.
The Neurological Rehabilitation Prize	$100*	Awarded annually to the student exhibiting the highest proficiency in Neurology in third and fourth years of the Bachelor of Applied Science (Physiotherapy) course. (*plus one year's Membership of Neurology Study Group)
The Physiotherapy Research Foundation Research Prize	$100	Awarded to the student with the highest grade for an Honours Research Thesis in the Bachelor of Applied Science (Physiotherapy) Honours course.
The Rosemary E. Wilson Memorial Prize for Caring and Giving	$100	Awarded to the student who is judged as having best shown an awareness of patients' total needs and real empathy with patients' physical, psychological and emotional needs in the Bachelor of Applied Science (Physiotherapy) course.
The School of Physiotherapy Nominated Prize	$100	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Physiotherapy) course.
Yooroang Garang: School of Indigenous Health Studies		
The Mowlood KanAnie-ZangAni Memorial Graduate Diploma Prize	$150	Awarded to the student for an outstanding Integrative Paper on issues related to Iranian Migrants in Australia in the Graduate Diploma of Health Science (Community Health) course.
The Mowlood KanAnie-ZangAni Memorial Masters' Prize	$250	Awarded to the student for an outstanding Master's Thesis on issues related to Iranian Migrants in Australia in the Master of Health Science (Community Health) course
The Yooroang Garang: School of Indigenous Health Studies Graduate Diploma Prize	$150	Awarded to the student for an outstanding Integrative Paper on issues related to Indigenous Communities in the Graduate Diploma of Healui Science (Community Health, Indigenous Community Health) course.
The Yooroang Garang: School of Indigenous Health Studies Masters' Prize	$250	Awarded to the student for an outstanding thesis dealing with issues within Indigenous Communities health in the Master of Health Science (Community Health) course
Faculty award		
The Murray F. Allan Memorial Award	$100	Awarded to the student exhibiting the most outstanding services to students. Open to students of every School in their final year of study.

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

Loans

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

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

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

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

Units of study numbering system

The units of study numbering system is comprised of four letters and four digits. The letters of the alphabet identify the school 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:

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

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

Table 3.2: Summary of undergraduate diplomas and degrees

Discipline	Duration	Mode	Course code
Bachelor of Applied Science (BAppSc)			
Exercise and Sport Science[1]	3 years	full-time	2209
Health Information Management[1]	3 years	full-time	0902
Leisure and Health[1]	3 years	full-time	1531
	6 years	off-campus	1541
Medical Radiation Technology[1] (last intake 1998)	3 years	full-time	
Diagnostic Radiography			1808
Nuclear Medicine			1809
Radiation Therapy			1810
Medical Radiation Sciences[1]	3 years	full-time	
Diagnostic Radiography			1837
Nuclear Medicine			1838
Radiation Therapy			1839
Occupational Therapy[1] (last intake 1998)	4 years	full-time	1519
Occupational Therapy[1]	4 years	full-time	1542
Orthoptics[1]	4 years	full-time	1410
Physiotherapy[1]	4 years	full-time	1652
Speech Pathology[1]	4 years	full-time	1206
Bachelor of Behavioural Health Science[1] (BBHSc)	3 years	full-time	2553/2554
Bachelor of Health Science (BHlthSc)			
Aboriginal Health and Community Development[1]	4 years	(block attendance)	0780
Hearing and Speech[1]	3 years	full-time	1221
Medical Radiation Technology[2]	1 year	part-time	2008
Medical Radiation Technology[3]	1 year	full-time	
Diagnostic Radiography			1830
Radiation Therapy			1831
Nursing[2] (September start - last intake 1999)	2 years	part-time	2001
(April start - last intake 1999)	2 years	part-time	2011
(January start)	2 years	part-time	2005
(July start)	2 years	part-time	2015
Occupational Therapy[2]	1 year	part-time	2007
Occupational Therapy[3]	0.5 year	full-time	1535
Physiotherapy[2]	1 year	part-time	2006
Physiotherapy[3]	1 year	full-time	1681
Rehabilitation Counselling[1]	4 years	full-time	2531
Diploma of Health Science (DipHlthSc)			
Aboriginal Health and Community Development	2 years	full-time	0767

1. Honours Program available. Total course length four years full-time.
2. Off-shore (Singapore-based) conversion courses.
3. On-shore (Sydney-based) Singapore conversion courses.

CHAPTER 4

Administrative information

Course enquiries and applications

Student Administration (Cumberland)

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

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

Undergraduate course applications

Applications for most of the Faculty's undergraduate courses are processed by the Universities Admissions Centre (UAC). Courses offered are:

Bachelor of Applied Science

- Exercise and Sport Science
- Health Information Management
- Leisure and Health[1]
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

Bachelor of Behavioural Health Science

Bachelor of Health Science

- Aboriginal Health and Community Development[2]
- Hearing and Speech
- Rehabilitation Counselling

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

- for NSW Higher School Certificate students, from schools;
- for ALL other undergraduate applicants, from major newsagents or from the Universities Admissions Centre, postal address:
  UAC, Locked Bag 500
  Lidcombe NSW 1825
  Phone (02) 9330 7200
  Or apply on-line at www.uac.edu.au

The closing date for UAC applications is late September, however late applications may be lodged until mid-December upon payment of the specified late fee. In special circumstances, Student Administration (Cumberland) may accept direct applications after the late UAC closing date upon payment of a late application fee of $115.50.

1. Also available by off-campus mode. Applicants for the Leisure and Health (off-campus) course must apply directly to the Faculty. Contact the Undergraduate Adviser on phone (02) 9351 9574, email l.dewar@cchs.usdy.edu.au.

2. Applications for Aboriginal Health and Community Development are not processed by UAC. Potential applicants should contact Yooroang Garang: School of Indigenous Health Studies, phone (02) 9351 9095 .courses) are available from Student Administration (Cumberland). Completed applications must be lodged by the advertised closing date at Student Administration (Cumberland). Late applications will be accepted if vacancies remain.

All other course applications

Information and application forms for all other courses in the Faculty (non-UAC undergraduate, conversion, graduate certificates, graduate diploma, Master's degree and doctoral courses) are available from Student Administration (Cumberland). Completed applications must be lodged by the advertised closing date at Student Administration (Cumberland). Late applications will be accepted if vacancies remain.

Non-award enrolment

Non-award students are students who are enrolled in a unit or units but are not proceeding to a degree or diploma of the University. The Faculty may permit enrolment in a particular unit or units provided that the student has an appropriate academic background and that the head of the school offering the unit considers that the student will benefit from the unit, that accommodation is available and that the enrolment does not prevent a place in that unit being available to a student proceeding to a degree or diploma.

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

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

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

Postgraduate non-award students are required to pay proportional tuition fees on the basis of the fee for a full-time load.

Miscellaneous enrolment

Provision is made in the Faculty for students to undertake study in units which form part of award courses. Miscellaneous students' results will not be formally presented but a certificate of successful completion will be given on completion of units.

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

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

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

Cross-institutional enrolment

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

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

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

Postgraduate course applications

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

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

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

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

Registration and enrolment

Status of students

A student shall be deemed to be a registered student of the University from the time of first enrolment, until the student
a) has completed the course; or
b) has been excluded from the course and/or the University, or
d) is deemed to have abandoned the course.

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

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

Deferment of enrolment

Undergraduate students

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

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

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

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

Postgraduate students

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

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

Enrolment of new students

Enrolment as a new student in a course entails:
a) completion of an Enrolment form attesting the units in which the student will be enrolled in the first year of study
b) completion of such forms for statistical purposes as required by the Department of Education, Training and Youth Affairs (DETYA), and any other government agency
c) completion of a form to indicate mode of payment of the Higher Education Contribution (if applicable)
d) completion of such other forms as required by the Faculty or University
e) payment of compulsory and other fees in relation to study at the University including Student Guild fees
f) payment of the estimated Higher Education Contribution for February semester if the 'up-front' mode of payment is adopted
g) payment of tuition fees for February semester if enrolled in a fee paying course.

New students accepting places in courses processed by the Universities Admissions Centre (UAC) are required to enrol in person at the Cumberland campus on **Wednesday 24** or **Thursday 25 January 2001,** and will be required to complete at least items (a) to (d) above.

Students who receive UAC offers in the Final Round are required to enrol at the Cumberland campus on Tuesday 6 February 2001.

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

Compulsory subscriptions and other fees must be paid by **Friday 16 February 2001** or the enrolment may be cancelled (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). A Statement of Fees Due/Tax invoice for this purpose will be issued at enrolment. If fees are not paid by this date the enrolment may be cancelled. If re-instatement is subsequently requested and approved a $100 re-instatement fee may apply.

Enrolment of new postgraduate students will be carried out by mail. In mid-January 2001, students will be sent an enrolment package with instructions. Failure to enrol at the appointed time may result in loss of the place.

The payment of all fees will be by bank deposit through any branch of the National Australia Bank. Compulsory subscriptions and other fees must be paid by Friday, 16 February, 2001 or the enrolment may be cancelled (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). A Statement of Fees Due/Tax invoice for this purpose will be issued at enrolment.

Re-enrolment of continuing students

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

Re-enrolment of continuing undergraduate students will be carried out by mail. In mid-January 2001, students who are eligible to continue their course will be sent re-enrolment packages.

Compulsory subscriptions and other fees must be paid by Friday 16 February 2001 (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). A fees/charges deposit notice for this purpose will be issued in the re-enrolment kit. If fees are not paid by this date the enrolment may be cancelled. If re-instatement is subsequently requested and approved a $100 re-instatement fee may apply.

Academic advisers will be available for consultation concerning variations to proposed units for enrolment during the last week of January/early February. Completed re-enrolment documents are to be lodged at Student Administration (Cumberland) by Friday 2 February 2001.

Re-enrolment of continuing postgraduate students will be carried out by mail. Dates for payment of fees are the same as those specified for new students in the section above.

The last day to finalise re-enrolment is Friday 30 March 2001. Failure to complete enrolment by the above date will be deemed to indicate an intention on the part of students to abandon meir course and removal of the enrolment record will ensue.

Student identity card

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

must be presented when borrowing from the University Libraries.

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

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

Statement of enrolment - February semester

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

If the statement is accepted as correct by the student, and the Higher Education Contribution is to be paid 'up-front', then the payment should be made using the accompanying bank deposit form and the statement retained for reference. Payments must be made by Friday 15 March 2001. If the student has not made a full up-front payment by the census date, and has supplied their Tax File Number the University will record them as having deferred all or part of their HECS contribution. If the student has not paid in full by the census date and did not submit their Tax File Number, enrolment will be cancelled.

If amendments are required to the statement it should be returned to Student Administration (Cumberland) by Friday 15 March 2001, with a letter of explanation. The completion of an Application for Variation of Enrolment may be required.

Students who do not intend to continue their studies in February semester must formally withdraw from their course before 30 March 2001, or they will be charged HECS for the February semester.

Statement of enrolment - July semester

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

If the statement is accepted as correct by the student, and the Higher Education Contribution is to be paid 'up-front', then the payment should be made using the accompanying bank deposit form and the statement retained for reference. Payments must be made by Friday 17 August 2001. If the student has not made a full up-front payment by the census date, and has supplied their Tax File Number the University will record them as having deferred all or part of their HECS contribution. If the student has not paid in full by the census date and did not submit their Tax File Number, enrolment will be cancelled.

If amendments are required to the statement it should be returned to Student Administration (Cumberland) by Friday 17 August 2001, with a letter of explanation. The completion of an Application for Variation of Enrolment may be required.

Students who do not intend to continue their studies in July semester must formally withdraw from their course before 31 August 2001, or they will be charged HECS for the July semester.

Confirmation of enrolment

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

Fees and charges

1. Higher Education Contribution Scheme (HECS)

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

- be a fee paying local undergraduate student;
- be undertaking a postgraduate course for which fees are charged in accordance with Commonwealth guidelines;
- be a fee paying overseas student but not sponsored under a foreign aid program;
- be otherwise subject to the Overseas Student Charge arrangements;
- be a fee paying overseas student sponsored under a foreign aid program; ..,
- be enrolled in a recognised bridging or supplementary course which does not lead to an award;
- be enrolled in a course/place fully funded by an employer;
- be enrolled in a recognised non-award course;
- have an Australian postgraduate award (without stipend);

Further information about HECS is given in the booklet HECS -Your Questions Answered 2001 issued at enrolment and available all year round from the Student Enquiries Counter.

Most undergraduate units of study taught in the Faculty of Health Sciences attract HECS at the Band 2 rate of $5015 per annum. The major exceptions are units taught by the School of Behavioural and Community Health Sciences, and Leisure and Health units which attract the Band 1 HECS charge of $3521 per annum. For part-time students a pro-rata amount will apply according to the actual proportion of the equivalent full-time load being undertaken.

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

Payment of the contribution may be made in two ways (outlined below) and the mode of payment may be varied from semester to semester. New students will be required to make an initial choice of mode of payment when they first enrol and this will be taken to indicate the preferred mode for future payments. It will be assumed mat continuing students will maintain the previously selected mode of payment, although they may apply to vary their mode.

'Up-Front'Payment of HECS

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

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

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

'Deferred'Payment of HECS

This mode permits a student to defer all or part of the full contribution for the semester. No repayment is required until the taxable income of the student reaches a minimum

threshold level. Choice of this mode requires a student to provide their tax file number at enrolment/re-enrolment.

2. Course fees (fee-paying undergraduate places)

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

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

The fees will be levied by semester of enrolment and will be due for payment by the same dates as 'up-front' HECS payments. The course fee in 2001 is $15,000 per year.

3. Compulsory Student Guild fees

All students on the Cumberland campus are required, as a condition of their enrolment, to become members of the Cumberland Student Guild. Postgraduate students are also required to be a member of and pay subscriptions to the Sydney University Postgraduate Representative Association (SUPRA).

Note

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

Extension of time for payment

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

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

4. Course tuition fees for postgraduate programs

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

5. Notes and manuals

Schools publish manuals for many units of study, ranging in cost from $2 to $35 (in 2000). Purchase of manuals is optional, but highly recommended. Copies of manuals are available in the Library's Closed Reserve, and in some cases on the internet.

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

Notes/manuals will be sold in the foyer of E Block during the first week of semester.

6. Continuing international students

Fees for February semester must be paid by 15 January 2001.
Fees for July semester must be paid by 30 June 2001.

Failure to meet Financial Liabilities

Students who are financially indebted to the University and have not made acceptable arrangements for settlement of their obligations are not entitled to use the University's facilities and their enrolment may be cancelled. They will not be permitted to register for a further semester, to attend classes or examinations, or to be granted any official credentials. Cancellation of enrolment applies if any portion of fees or the supply of a required tax file number is outstanding at the census date in the relevant semester, that is, 31 March in February semester and 31 August in July semester. Reinstatement of enrolment, if approved, may require payment of a $100 fee.

7. Refund Policy

Refund of Student Guild fees

a) If written notice of discontinuation of a course is received by 30 March, all Student Guild Fees paid will be refunded.
b) After 30 March in a year, students who formally discontinue or vary their course of study and consider themselves eligible for a refund of all or part of fees paid to the student organisations, may write to the Executive Officer of the Cumberland Student Guild detailing their case.

***Refund of** HECS*

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

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

***Refund of course tuition** fees*

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

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

Beyond the census date for each semester, no refund will be made.

Credit transfer

Policies

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

b) the provision of appropriate evidence related to existing credit transfer class actions

c) the successful completion of challenge exams, where required. Challenge exams provide an opportunity for students to demonstrate that they have achieved the learning goals of a unit of study through previous formal study. Successful completion of a challenge exam will result in a grade of AS being awarded for that unit of study. Challenge exams are applicable only for units which the student has previously passed.

10. Credit for prior learning which is of a non-credential nature may be granted on the recommendation of the head of school. This credit may take the form of any of the forms of credit listed above. Such decisions will be made on a case-by-case basis.
11. Eligibility for credit does not guarantee a place in the course in which the credit would be available.
12. Where existing credit transfer statements (eg, class actions) exist, such information would be available at the time of enrolment via the Faculty Handbook.
13. The responsibility for approval of Block credit transfer rests with the head of the school in which the student is enrolled, following appropriate consultation. The responsibility for approval of Specified Credit 1 and 2 rests with the head of the school in which the unit of study is taught. In case of dispute or appeal, the final responsibility for credit transfer rests with the Faculty.

Current practices within the Faculty of Health Sciences

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

Exceptions

- The Schools of Physiotherapy, Medical Radiation Sciences, Health Information Management and Communication Sciences & Disorders may use **challenge tests** in some individual cases to clarify the level of prior learning.
- Credit transfer **class-actions** exist in relation to:

a) the Bachelor of Health Science (Aboriginal Health and Community Development) from the Associate Diploma in Aboriginal Health and Community Development (University of Sydney), the Associate Diploma in Aboriginal Health and Community Development (Southern Cross University) and the Bachelor of Applied Science (Aboriginal Community Management and Development) (Curtin University);

b) the Bachelor of Applied Science (Leisure and Health) from the Associate Diploma of Applied Science (Diversional Therapy) (University of Sydney);

c) the Master of Applied Science (Manipulative Physiotherapy) from graduate diplomas in manipulative physiotherapy awarded by Cumberland College of Health Sciences and The University of Sydney.

Credit transfer based on challenge examinations

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

Credit transfer based on TAFE studies

Due to the specialised nature of the Faculty's programs, mere are few TAFE subjects which could result in Advanced Standing, however, students may seek Specified Credit 2 (exemptions) based on prior learning in TAFE programs. In some instances, challenge tests may be required in addition to the provision of relevant information to support the student's application. Students should contact the unit of study coordinator of the relevant unit of study direct to discuss credit for prior learning.

Credit for prior learning of a non-credential nature

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

implications of gaining credit transfer

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

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

Procedures

Details of the process for applying for credit transfer are given on the 'Credit Transfer 2001' leaflet available from Student Administration in A Block.

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

Students should attend classes until the results of their credit transfer application have been advised.

Challenge examinations

If you are assessed as required to sit for challenge exams in one or more units of study, you will be advised in writing of the date(s), time(s) and venue(s) for your exam(s).

Challenge exams for full year units and units offered in the February semester will be held on Thursday 22 February, Friday 23 February and Saturday 24 February 2001. Results will be posted in the relevant school by the end of week 1. Challenge exams for units offered in July semester will be held during the week commencing Monday 26 February 2001. Results will be posted on the noticeboards in the relevant school by the end of week 2.

Discontinuation, variation of units and leave of absence

In making a decision to vary a course of study or apply for Leave of Absence or Discontinuation of Studies, it is often advisable for a student to discuss the situation with the Head, Student Welfare Services (Cumberland) or the Student Counsellor. While educational issues will be discussed within

schools, personal and family issues may also be involved and be equally important. Staff in Student Welfare are available to assist students in clarifying the reasons why changes in fheir academic programs may be necessary, especially where these are related to illness or misadventure, and in effective planning to overcome such difficulties.

Discontinuation of studies

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

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

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

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

a) for February semester only units, 30 March 2001
b) for full-year units and July semester only units by 31 August 2001.

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

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

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

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

Re-Admission after discontinuation or abandonment of course

Students who discontinue or abandon a course lose their status as registered students of the University. Any subsequent application for re-admission to the course from which they discontinued must be lodged by the advertised closing date. Such an application will be considered with all other applications received that year for that course. Applications for all undergraduate and postgraduate courses are processed directly by the Faculty and have a closing date of 1 December. For more information contact Student Administration (Cumberland).

Variation of enrolment

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

Students must complete the 'Application for Variation of Enrolment' form (available from the Student Enquiries Counter) and forward it to the Head, Student Administration (Cumberland). The form will not be accepted unless it contains the recommendations and endorsements of the appropriate head of school (or their delegates). Students are responsible for obtaining the necessary recommendation(s) / endorsement(s). An incomplete application form will be returned to the student originating it.

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

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

a) for February semester only units, by 30 March 2001
b) for full-year units and July semester only units, by 31 August 2001.

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

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

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

Leave of Absence

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

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

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

Applications for Leave of Absence should be submitted prior to the census date for the Semester (30 March or 31 August).

Special leave

Special leave may be granted by the head of school for a period of time (usually not exceeding two months) during the current year of a student's course. Such leave will be granted only if all studies/assessments can be completed in the current year to the satisfaction of the appropriate school, otherwise the student should apply for Leave of Absence (see above).

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

Examinations and assessment

General

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

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

Attendance at assessments

It is the individual student's responsibility to be available for all assessments. Students who intend travelling away from Sydney should ensure that they are able to return in time to undertake an assessment including Further Testing at the time and place set down. The time or place for an assessment will not be altered to accommodate students who are unable to attend.

Candidates are required to be present at the correct time and place. Misreading or misunderstanding of the time and/or the location of an assessment will not be accepted as a reason for failure to attend an assessment. Non-attendance on these or any other grounds insufficient to claim illness or misadventure will result in forfeiture of marks associated with the assessment.

In certain circumstances, a student may be permitted to take examinations overseas, generally at a nominated university. These circumstances usually relate to travel for study purposes or for experience directly connected with studies approved by a school or department. It is the responsibility of the student to obtain the approval of the Head of School through Student Administration (Cumberland) before proceeding overseas. A fee for administration costs will be applicable for this service, payable by the student.

Approved assessment periods

Approved assessment periods shall include assessment conducted in the traditional Week 15 and 16 assessment period and Further Testing as scheduled.

Completion of assessment requirements

Incomplete results will normally be converted to an AF (absent fail) result at the end of week 3 in the following semester.

Assessment timetables

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

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

Rules of conduct of written examinations

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

a) *Attendance form* to be completed for each examination and placed on the top left hand corner of the desk for collection, immediately writing time commences. ID cards are to be placed on top of the attendance form.

b) Answer booklets, answer sheets, question papers tide pages and identification details are to be completed during this ten-minute period and, when necessary, during the actual writing time set down for the paper.

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

No candidate will be admitted to the examination room after 30 minutes of the examination writing period has elapsed nor will any candidate be permitted to leave the examination room within 30 minutes of the examination writing period.

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

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

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

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

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

Candidates are not permitted to take bags, briefcases, folders, umbrellas, hats, mobile phones, pagers, etc., into the examination room except with the express approval of the Presiding Officer. Small money purses only may be taken into the room, however, they must be placed on the floor. In exceptional circumstances, and only with the express permission of the Presiding Officer, other articles may be brought into the examination room, and must be placed on the floor. Students should note that the University of Sydney and the Faculty of Health Sciences take no responsibility for items left behind after or during the examination. Students should therefore take care to ensure all items left with the Presiding Officer, or on the floor are collected prior to leaving the examination room.

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

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

Reading time

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

Conduct of candidates

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

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

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

Special consideration

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

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

Disability

Candidates suffering from a disability which puts diem at a disadvantage in assessments may apply to Student Administration (Cumberland) prior to the assessment period

for special provisions when the assessments are taken. Students may be required to support their request with medical evidence.

Common result grades for 2001

This grading system will be introduced Semester 1,2001.
Please note: All of these grades are available for use by examiners and markers, however, different schools may choose not to use all of diem.

HD - High Distinction, 85+
Indicates an outstanding level of achievement.

D-Distinction, 75-84
Indicates an excellent level of achievement.

CR-Credit, 65-74
Indicates an above average level of achievement.

P- Pass, 50-64
Indicates an acceptable level of achievement.

R - Satisfied requirements, no mark or 50+
This is used in pass/fail only outcomes. Can be awarded for clinical or group work. Can be awarded when a student is given partial exemption in a unit of study. In this case a mark may or may not be given. For Research Thesis for PhD & HScD

AS -Advance Standing, no mark
Indicates the awarding of credit transfer in the unit of study

UCN— Unit of study continuing, no mark Interim grade
Used at the end of a semester for units of study which have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the UoS. This could be used in clinical units of study which are conducted out of semester time. To be used when a research thesis has been submitted for examination and during the examination process, until the final result is resolved

PCON- Pass (Concessional), 46-49
Indicates the student's performance did not reach the required level of achievement in the unit of study but was deemed acceptable given the student's overall performance. Use of this grade is restricted to those courses which allow for a Concessional Pass of some kind to be awarded. A student may re-enrol in a unit of study for which the result was PCON. No more than 10% of total credit points for a course can be made up from PCON results.

INC — Incomplete, no mark
This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board (1) this result will be converted to a normal permanent passing or failing grade either:

- by the Dean at the review of examination results conducted pursuant to section 2(4) of the Academic Board policy 'Examination and Assessment Procedures'; or
- automatically to an AF grade by the end of the third week of the immediately subsequent academic session

MINC - Incomplete with a mark of at least 50
This result may be used when examiners have grounds (such as illness and misadventure) for seeking further information or for considering additional work from the student before confirming the final mark and passing grade. Except in special cases approved by the Academic Board (1), this result will be converted to a normal passing mark and grade either:

- by the Dean at the review of examination results conducted pursuant to section 2(4) of the Academic Board policy 'Examinations and Assessment Procedures'; or
- automatically to the indicated mark and grade by the end of the third week of the immediately subsequent academic session

F-Fail, 0-49
The student's performance did not reach the acceptable level for overall performance. Can be used for a research thesis that has been marked unsatisfactory.

AF-Absent Fail, no mark
Includes non submission of compulsory work. For non attendance at compulsory classes; failure to attend a compulsory examination. This result will appear as an absent fail on student transcripts. It indicates that students have failed to complete all compulsory components of a course

W- Withdrawn, no mark
This is the result that obtains where a student discontinues a unit of study *before* the HECS census date - ie, 31 March (semester 1) 31 August (semester 2). Not recorded on external transcript.

DNF - Discontinued not to count as failure, no mark
This result applies automatically where a student discontinues after the HECS census date but *before* the end of the seventh week of the semester (or before half of the unit of study has run in the case of units of study which are. not semester length). A Faculty may determine mat the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure. Recorded on external transcript. This provision can be available all year round but on the following condition: the student will not receive a HECS/Course fee refund, but their academic record will reflect no penalty.

DF - Discontinued with Failure, no mark
This applies from the time DNF ceases to be automatically available up to the cessation of classes for the unit of study. Recorded on transcript.

Common result grades policy - special cases

At the meeting of 13 October 1999 the University of Sydney Academic Board approved the following footnotes to the Common Result Grades Policy.

Incomplete units of study
Where an INC grade arises because all or most of the students in a Unit of Study have not completed the requirements of the Unit, the grade will be converted to UCN **on the advice of the relevant Dean.** The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of the semester (eg, Honours). Head(s) of Schools are encouraged to return UCN and **not** INC for students in such extended Units of Study. Deans are asked to avoid approving the use of UCN to deal with late results from a completed Unit of Study.

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

Undergraduate Honours only

HIM - Honours First Class with University Medal, > 90 (Nominated)
HI - Honours First Class, 80-100
H21 - Honours Second Class Division 1, 75-79
H22 - Honours Second Class Division 2, 70-74
H3 - Honours Third Class, 65-69
Not awarded, 0-64

Recording of results prior to 2001

Students' results will be recorded using the following grades:

HD - High Distinction
indicates an outstanding level of achievement

D - Distinction
indicates an excellent level of achievement

CR-Credit
indicates an above average level of achievement

P-Pass
indicates an acceptable level of achievement

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

I—Assessment Incomplete
indicates assessment in the unit is yet to be completed

AS—Advanced standing
indicates the awarding of credit transfer in the unit of study
X- Fail with Post granted
indicates the student's performance did not reach the acceptable level of achievement but was deemed to be of sufficient merit to warrant further assessment
F-Fail
indicates failure to achieve the required standard of achievement
DA - Deferred Assessment
final assessment has been deferred because of misadventure or illness
WO - Discontinued without failure
permitted to discontinue unit without failure
WF - Discontinued with failure
discontinued unit with failure
SC - Subject Carried
Unit of study carried into a later semester/year of the course
ZP - Pass on Pass/Fail basis
Pass granted
CP - Conceded Pass
Indicates the student's performance did not reach the required level of achievement in the unit but was deemed acceptable given the student's overall performance
V-*Interim Result*
Student has submitted a thesis/treatise which is under examination

Notification of results

Results for terminating units will be formally released by the Examinations Branch as follows:
End of February semester
Units that, according to the Faculty Handbook, are presented only in February semester.
End of July semester
Units that, according to the Faculty Handbook, are presented either in July semester only or are presented over both February and July semesters.

Availability of results for terminating units

Results will be made available to students as follows:

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

Results will be displayed using the student identity number only.

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

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

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

The relationship of grades to percentage marks is as follows:
High Distinction: 85-100%
Distinction: 75-84%
Credit: 65-74%
Pass: 50-64%
Fail: below 50%
It is important to note that the University does not use a set formula for determining the number of specific examination grades to be awarded in particular units. The proportions of merit grades may vary from unit to unit and from year to year, reflecting different capabilities of different groups.
Special notes

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

Further testing period

With regard to further testing, the Senate of the University has resolved as follows:

There is no formal provision for supplementary examinations, but a Head of School may arrange for further testing in cases of special consideration, in accordance with Academic Board policy governing illness and misadvanrure, and any relevant faculty policies. Students are required to attend any Further Testing at the advised time and place. Special consideration in the form of further assessment beyond this nominated date will not normally be granted. Instead, a grade will be determined on the basis of available academic performance results.

Review of results in a completed unit

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

Applications for the review must be submitted in writing to Head of School, within fourteen days of the date on which the results in question have been released.

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

Appeals against an academic decision

The Resolutions of Senate and Academic Board governing appeals against Academic Decisions clearly outlines the circumstances by which a student may appeal against an academic decision, and the appeals process that must be followed by all parties in order to resolve any subsequent dispute. The Faculty of Health Sciences has established procedures whereby a student may appeal against an academic decision. In the first instance students should seek a response from the staff member concerned, or the unit of study or course coordinator. This should be done within 3 months of the date of the academic decision. If not satisfied, the student should seek an interview with the Head of School to discuss the matter. Appeals to the Head of School should be made within 15 (fifteen) working days of the date of the response from the staff member concerned or unit of study coordinator. If not satisfied with the response from the school, the student may appeal to the Dean within 15 (fifteen) working days of the date of the Head of School's response. The matter should normally be dealt with by the Dean or nominee within 10 working days. Information on these procedures can be obtained from the Head, Student Administration (Cumberland). While the application of mese procedures usually relates to assessment matters, this is not the only area in which an appeal may be initiated. If a student wishes to formally initiate an appeal against an academic decision, advice may be sought from the Resource Officer of the

Cumberland Student Guild, the Head, Student Welfare Services (Cumberland), or the Student Counsellor.

Graduation 'with Distinction'

Only applies to students who commenced undergraduate programs in the Faculty of Health Sciences before 1999. Outstanding achievement in some of the Faculty undergraduate courses may be recognised at graduation by such students receiving an award ' with Distinction'.

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

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

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

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

Progression

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

Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any corequisites, prerequisites and attendance requirements, can be met. School Academic Advisors may prescribe the program of study for students repeating failed units of study (taking account of load, precedence for repetition of failed units of study, and timetable difficulties). Repeating failed units of study will take precedence over enrolling in next semester units.

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

Progression and show cause

1. Under the Resolutions of the Senate, the Faculty is authorised to require a student to show good cause why he or she should be allowed to repeat any unit in which he or she has failed or discontinued (with failure) more than once.
2. Moreover, a student may be required to show good cause why he or she should be allowed to re-enrol in a course in the Faculty if, in the opinion of the Faculty, he or she has not made satisfactory progress towards fulfilling the requirements for that course.
3. While satisfactory progress cannot be defined in all cases in advance, a student who has failed a unit of study twice (or more), or who has not successfully completed all first year course requirements within two years (except for students with permission to enrol in the course on less than a full-time basis when the requirement refers to those units in the approved first year enrolment - see 4) and students who have failed or withdrawn with failure in two or more subjects in an academic year shall be deemed not to have made satisfactory progress.
4. For students who have not demonstrated satisfactory progress, who are enrolled though the Cadigal program at Cumberland Campus progress will be reviewed by the Head (or nominee) of the School in which the student is enrolled and the Head of School (or nominee) of the School of Indigenous Health Studies (Yooroang Garang). Cadigal program students are permitted to complete the first year of enrolment over two years. A student who has not completed the first year requirements within three years or who has failed or withdrawn with failure in three or more subjects in an academic year shall be deemed not to have made satisfactory progress.

Notification of show cause/pending exclusion

Students who have failed to demonstrate satisfactory progress, shall be initially prompted, but not necessarily be placed on show cause, by a message on their Assessment Notice. Students required to show cause will receive written notification from the Faculty advising them that they have been placed on show cause and provided with instructions on how to respond. Alternatively, the student may receive a letter of advice from the Faculty concerning the need for improved progress. Letters will be sent to the student's recorded address - the student is responsible for keeping this address up-to-date. Show Cause letters will be sent by registered mail requiring the student to submit a written show cause submission. Students placed on Show Cause will be advised that they are permitted to re-enrol and/or continue enrolment until the final decision has been taken.

Students who fail to submit the show cause application by the due date will be notified immediately after this date, by registered mail that they have been excluded. This letter will be copied to the School. The student will cease attendance at classes.

Showing good cause

Students so notified of pending exclusion may exercise the right to show good cause why they should be permitted to re-enrol. While it is not possible to define in advance all the reasons relevant to showing good cause against exclusion, good cause means circumstances beyond the reasonable control of the student which may include serious ill health or misadventure (properly attested), but does not include demands of employers, pressures of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure. In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may also take into account a student's general record in other courses or units of study, undertaken either within the University or at other institutions. Apart from demonstrating the reasons for not making satisfactory progress, students are required to indicate why they would be successful if permitted to re-enrol and what steps have been taken to resolve the preceding issues.

The Show Cause Committee will consider written advice from the Head of School and from the student concerning these two factors:

- Circumstances which led to the student's unsatisfactory performance
- Circumstances/actions which would prevent/resolve the student's difficulties in progression.

The Show Cause Committee will consider these two factors as well as previous show cause situations and actions taken (including school advice letters or show cause meeting reviews). The Committee may find that the student *should* be excluded from a course if the student has previously been on 'show cause' for essentially the same reasons, and the Committee believes that there has been little evidence of change in the student's behaviour or situation.

The Show Cause Committee will normally invite the relevant Head of School (or in the case of students enrolled in the Cadigal program the Head of School and the Head of Yooroang Garang or nominee) and the student to be in attendance at the Show Course Committee meeting.

After the Show Cause Committee meets:

- The decision of the Committee is conveyed to the student and Head of School.

- A summary of the decisions of the Show Cause Committee (which does not identify students or schools) is presented to the next meeting of Faculty.

Re-enrolment after show cause

After the Show Cause meeting, in cases where the Faculty permits the re-enrolment of a student placed on Show Cause, the Faculty may require the completion of specified units of study in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Faculty of Health Sciences.

Exclusion

Students will be automatically excluded if they do not submit a 'show cause' response. Students excluded from an award course may not enrol as miscellaneous students in units of study which may be counted towards any such course.

A decision to exclude a student from a course means an exclusion for two academic years. In exceptional circumstances the Faculty may recommend to the Registrar that a student be excluded for one year. After two academic years, a student can reapply for admission to the course from which he or she was previously excluded. There is no guarantee of re-admission.

Appeals against exclusion

A student notified of a decision by the Faculty to exclude them from re-enrolling in a course and/or unit(s) may appeal to the Senate's Student Appeals Committee (Exclusion and Re-admissions) by following the procedures set down in the University's Calendar.

The first step is to appeal to the Dean. A student can appeal to the Dean within two weeks of the Show Cause Committee's determination, provided that the appeal contains new information not available to the Show Cause Committee, or that the student can show that due process has not been followed.

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

Re-admission after exclusion

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

Other information

Conduct

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

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

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

Attendance at classes

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

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

Insurance

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

Change of address

Students are required to notify Student Administration (Cumberland), of any changes in their addresses as soon as possible. Notice of a change of address must be made in writing, by email or via the. Internet. The University cannot accept responsibility if official correspondence fails to reach a student who has not notified the Head, Student Administration (Cumberland), of a change of address.

Official notices

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

The Official Notice Boards are located in the following buildings:

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

Student records

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

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

Transcripts of academic records are available to:

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

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

Course work

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

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

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

Access to buildings after hours

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

CHAPTER 5

School of Applied Vision Sciences

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

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

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

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

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

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

Bachelor of Applied Science (Orthoptics)

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

Orthoptists assist in the assessment of patients with eye diseases. They have particular expertise in the assessment and treatment of binocular vision (use of two eyes as a pair). Orthoptists support patients who have visual problems associated with conditions such as stroke and head injury. They also work with partially sighted people and treat children with lazy eyes.

Orthoptists are also skilled in many of the exacting diagnostic procedures related to disorders of the eye and visual system, such as testing of the visual field, ultrasonography, electrodiagnosis, biometry, assistance in minor surgical techniques, and client instruction in the use of contact lenses.

Admission requirements

There are no unit prerequisites for admission to the Bachelor of Applied Science (Orthoptics) course. The General Admission Requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Chemistry or 2 unit Biology or 3/4 unit Science at HSC level.

Course outline

The course outlines for the Bachelor of Applied Science (Orthoptics) Pass and Honours courses are presented in Table 5.1.

Honours program

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

Table 5.1: Bachelor of Applied Science (Orthoptics)

Course code Mode of Offer
1410 Pass course; Full-time, 4 years
1411 Honours program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1				
BACH 1107	(25190)	Introduction to Health Sociology	4	-
BACH 1108	(25191)	Introduction to Psychology	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	-
BIOS 1070	(11178)	Introductory Neurobiology	3	-
BIOS 1071	(11179)	Neurobiology I	-	2
BIOS 1072	(11180)	Optics I	2	-
BIOS 1073	(11181)	Body Systems I	-	4
BIOS 1074	(11182)	Optics II	-	3
ORTH 1033	(14133)	Visual Processes	6	-
ORTH 1034	(14134)	Binocular Vision	-	6
ORTH 1035	(14135)	Disorders of the Visual System IA	5	-
ORTH 1036	(14136)	Disorders of the Visual System IB	-	5
		Stage total (48 credit points for Year 1)	24	24

Unit code	(old code)	Unit name	Semi	Sem2
Year 2				
BACH 1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BACH 2021	(2521A)	Behavioural Science IIB	-	3
BACH 2036	(2521P)	Disability Studies	3	-
BACH 2123	(25299)	Behavioural Science EII	3	-
BIOS 2060	(112B1)	Introductory Pathology	2	-
BIOS 2061	(112B2)	Ocular Biology	3	-
BIOS 2063	(112B4)	Visual Neurobiology	-	5
ORTH 2043	(14245)	Concomitant Strabismus B	-	4
ORTH 2047	(14249)	Concomitant Strabismus A	4	-
ORTH 2048	(14250)	Disorders of the Visual System IIA	3	-
ORTH 2049	(14251)	Disorders of the Visual System IIB	-	3
ORTH 2050	(14252)	Instrumentation IIA	3	-
ORTH 2051	(14253)	Instrumentation IIB	-	3
and				
ORTH 2052	(14254)	Clinical Studies IIA	(6)	-
or				
ORTH 2053	(14255)	Clinical Studies IIB	-	(6)
		Stage total (48 credit points for Year 2)	27	21
Year 3				
BIOS 3031	(11386)	Bio-electrical Signals and Computing	-	5
BIOS 3032	(11387)	Embryology and Neural Plasticity	-	2
ORTH 3035	(14335)	Clinical Studies III	21	-
ORTH 3036	(14336)	Clinical Project	-	3
ORTH 3037	(14337)	Ocular Motility Disorders I	-	4
ORTH 3038	(14338)	Disorders of the Visual System III	-	4
ORTH 3039	(14339)	Rehabilitation Studies I	-	4
ORTH 3040	(14340)	Instrumentation III	-	2
ORTH 3047	(14347)	Assessment and Management of Refractive Errors	3	-
		Stage total (48 credit points for Year 3)	24	24
Year 4				
BACH 4047	(25446)	Developing a Research Project	4	-
BIOS 4029	(11466)	Visual Science	4	-
ORTH 4007	(14408)	Ocular Motility Disorders II	4	-
ORTH 4008	(14409)	Disorders of the Visual System IV	4	-
ORTH 4009	(14410)	Rehabilitation Studies It	4	-
ORTH 4010	(14411)	Professional Studies	4	-
ORTH 4012	(14413)	Clinical Studies IV	-	20
and				
ORTH 4011	(14412)	Research Project	-	4
or				
ORTH 4013	(14414)	Professional Elective	-	4
		Stage total (48 credit points for Year 4)	24	24

Honours program

Year 3				
BACH 4047	(25446)	Developing a Research Project	4	
BIOS 3031	(11386)	Bio-electrical Signals and Computing	-	5
BIOS 3032	(11387)	Embryology and Neuro Plasticity	-	2
ORTH 3037	(14337)	Ocular Motility Disorders I	-	4
ORTH 3038	(14338)	Disorders of the Visual System III	-	4
ORTH 3040	(14340)	Instrumentation III	-	2
ORTH 3047	(14347)	Assessment and Management of Refractive Errors	3	-
ORTH 3048	(14348)	Research Proposal	-	6
ORTH 3049	(14349)	Clinical Studies IIIH	18	-
		Stage total (48 credit points for Year 3)	25	23
Year 4				
BIOS 4029	(11466)	Visual Science	4	-
ORTH 4007	(14408)	Ocular Motility Disorders II	4	-
ORTH 4008	(14409)	Disorders of the Visual System IV	4	-
ORTH 4010	(14411)	Professional Studies	4	-
ORTH 4018	(14419)	Research Report	2	10
ORTH 4019	(14420)	Clinical Studies IVH	4	16
		Stage total (48 credit points for Year 4)	22	26

Clinical education

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

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

Clinical practice dates

The clinical blocks for 2001 are scheduled as follows.
Year 1: During Semester 1 and 2
Year 2: 22 January - 23 February OR 16 July - 3 August
Year 3: 28 February - 22 June
Year 4: 6 August - 19 November

Uniforms

Year 1 students in the orthoptics course will be required to purchase a designated clinical uniform of which they will be advised in semester 1. First year students will require uniforms for their intersemester clinical placement at the end of Semester 1, 2001.

Units of study

BACH 1107 Introduction to Health Sociology

Old code 25190/25190X. 4 credit points
Mr Ian Andrews
Offered: February. **Assumed knowledge:** Higher level units of sociology. **Prohibition:** Higher level units of Sociology. **Classes:** On Campus 3 hours/week, Off-Campus. **Assessment:** Assignments/ examination.

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

BACH 1108 Introduction to Psychology

Old code 25191/25191X. 4 credit points
Ms Karen Pepper
Offered: July. Classes: On Campus 2 or 3 hours/week, Off Campus. Assessment: Essay and written examination.
This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000)

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points
Offered: July. Classes: Flexible learning.
This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2021 Behavioural Science IIB

Old code 2521 A. 3 credit points
Dr Rob Heard
Offered: July. **Classes:** On Campus 3 hours/week. **Assessment:** Written assignments and examinations.

This unit develops themes introduced to students in Introduction to Psychology BACH 1108 (25191). Topics covered are developmental disability; behaviour therapy; and social psychology-

BACH 2036 Disability Studies

Old code 2521 P. 3 credit points
Offered: February.

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

BACH 2123 Behavioural Science IIA

Old code 25299. 3 credit points
Dr Rob Heard
Offered: February. Classes: On Campus 3 hours/week.
Assessment: Written assignment/examination.
This unit develops themes introduced to students in Introduction to Health Sociology BACH 1107 (25190) and Introduction to Psychology BACH 1108 (25191). Topics covered are patients, work and organisations; visual perception and learning disability; and life stress.

BACH 4047 Developing a Research Project

Old code 25446/25446X. 4 credit points
Ms Kate O'Loughlin
Offered: February, July. Classes: On Campus and Off Campus.
The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and rehability of data collection techniques.

Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced. This unit is usually offered on Mondays from 5-8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BIOS 1068 **Introductory Human Biology**

Old code 11176.4 credit points
Dr Laurette Batmanian
Offered: February. Classes: On Campus 4 hours/week.
Assessment: Mid-Semester and Final Exams.
This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division, the principles of homeostasis, genetics and blood.
Textbooks
Anatomy and Physiology. (5th ed). Seeley, R.R., Stephens, T.D. and Tate, P. (2000). McGraw Hill, Boston.

BIOS 1070 **Introductory Neurobiology**

Old code 11178. 3 credit points
DrBulentTurman
Offered: February. Corequisite: Introductory Human Biology BIOS 1068 (11176). Classes: 28 hours. Assessment: Final Exam.
This unit introduces the student to the basic structure and function of the nervous system and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Fundamentals of Anatomy and Physiology. Martini, F.H.

BIOS 1071 Neurobiology I

Old code 11179. 2 credit points
Dr Ftoslyn Bohringer
Offered: July.
This unit introduces the students to the anatomy and physiology of the nervous system, with a basic introduction to the structure and role of the somatosensory and motor pathways. A detailed discussion of the somatosensory system is included, along with a full account of spinal reflex mechanisms. The unit also contains an introduction to the autonomic nervous system. This unit of study includes anatomy laboratory classes in which human cadaveric material is examined.

BIOS 1072 **Optics I**

Old code 11180. 2 credit points
Dr Fazul Huq
Offered: February. **Assessment:** Final Exam, Practical Assignments.
This unit introduces students to the principles of geometrical optics, including the nature of light, image formation by lenses and mirrors, prisms, beam, limitation effects and aberrations.
Textbooks
Elements of Geometrical and Visual Optics. Huq, F.

BIOS 1073 **Body Systems I**

Old code 11181.4 credit points
Dr P. Sivanandasingham
Offered: July. **Classes:** 3 hours/week. **Assessment:** Mid-Semester and Final Assessment.
This is an introduction to the structure and function of the major organs of the body including the respiratory, cardiovascular, renal and immunological systems. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Anatomy and Physiology. (5th ed). Seeley, R.R., Stephens, T.D. and Tate. P. (2000). McGraw Hill.

BIOS 1074 **Optics II**

Old code 11182. 3 credit points
Dr Fazlul Huq
Offered: July. Prerequisite: Optics I BIOS 1072 (11180).
Assessment: Final Exam, Practical Assignments.
This unit introduces students to the principles of visual optics, including the eye as an optical system, and ophthalmic instruments
Textbooks
Elements of Geometrical and Visual Optics. Huq, F.

BIOS 2060 **Introductory Pathology**

Old code 112B1. 2 credit points
Dr Elizabeth Hegedus
Offered: February. **Prerequisite:** Introductory Human Biology BIOS 1068(11176).
This is an introduction to microbiology and immunology, including micro-organism structure, classification and growth, sterilisation and disinfection, nosocomial infections, selected infectious diseases and their transmission, immunology of cancer, transplantation rejection and immunological disorders. There is also a discussion of neoplasia.

BIOS 2061 **Ocular Biology**

Old code 112B2.3 credit points
Dr Svetlana Warton
Offered: February. Assumed knowledge: Neurobiology I BIOS 1071 (11179). Classes: On Campus 3 hours/week. Assessment: Mid-Semester examination, final exam, Anatomy Spot Test.
This unit covers the anatomy of the orbit, the eyeball and the retina. There is also a discussion of the autonomic nervous system, intraocular fluids and pressure, and signal processing in the retina.
Textbooks
1. Clinical Anatomy of the Eye.
2. The Eye, Basic Sciences in Practice. Forrester, J. et al.

BIOS 2063 **Visual Neurobiology**

Old code 112B4. 5 credit points
Dr Svetlana Warton
Offered: July. **Assumed knowledge:** Neurobiology I BIOS 1071 (11179). **Classes:** On Campus 5-6 hours/week. **Assessment:** Mid-Semester Exam, Final Exam, Spot-test.
In this unit students will learn the anatomy and physiology of the visual pathways, along with the psychophysics and physiology of binocular vision. The neuroanatomy and physiology of the ocular motor system is introduced in order to understand eye movements and ocular motor reflexes. Basic pharmacology with relevance to the eye is also introduced.
Textbooks
Principals of Neural Science. (1993). Kandel E., et al.

BIOS 3031 **Bio-electrical Signals and Computing**

Old code 11386. 5 credit points
Mr Ian Cathers
Offered: July. **Classes:** On Campus 5 hours/week. **Assessment:** 2 assignments, 1 Final examamination.
This unit provides an introduction to bio-electricity, computerised data, acquisition, and signal processing preparatory to the study of visual electrodiagnosis. Computer applications relevant to orthoptic practice are also examined.

BIOS 3032 **Embryology and Neural Plasticity**

Old code 11387. 2 credit points
Dr Svetlana Warton
Offered: July. **Assumed knowledge:** Visual Neurobiology BIOS 2063 (112B4). **Classes:** On Campus 3.2 hours/week. **Assessment:** Mid-Semester Exam, Final Exam.
In this unit, mere is a discussion on embryology, the main emphasis being placed on the development of the central nervous system and that of the visual system. There is also a discussion on the plasticity of the visual and ocular motor systems with particular reference to how they change with experience.
Textbooks
1. Human Embryology. (1993). Larsen, W.
2. Before we are Born. More, K.

BIOS 4029 **Visual Science**
Old code 11466. 4 credit points
Dr Svetlana Warton
Offered: February. **Classes:** On Campus 3-4 hours/week.
Assessment: Mid-Semester Exam, Final Exam, Electrophysiology Practical Exam.

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

Textbooks

Tropical Diagnosis in Neurology. Deus.

ORTH1033 **Visual Processes**
Old code 14133. 6 credit points
Offered: February.

The normal eye is introduced, including visual acuity, contrast sensitivity, the visual pathway, the visual field, binocular vision, refractive errors, eye movements, accommodation and convergence. Demonstrations of clinical assessments and development of a preliminary level of competence in the assessment of these functions will be introduced. Students will also have the opportunity to develop communication skills in a community placement.

ORTH1034 **Binocular Vision**
Old code 14134. 6 credit points
Offered: July. **Assumed knowledge:** Visual Processes ORTH 1026 (14126).

The principles of binocular vision, its anatomical and physiological substrates, are introduced. Topics covered include the theory and practical demonstrations of projection, the horopter, physiological and pathological diplopia, fusion, superimposition, stereopsis and the accommodation/convergence synkinesis. Factors determining misalignment of the visual axes, and the assessment and management of sensory sequelae are also introduced. Basic skills in the clinical assessment of strabismus will be introduced.

ORTH 1035 **Disorders of the Visual System IA**
Old code 14135. 5 credit points
Offered: February.

This unit will present a wide range of disorders of the eye, with emphasis on recognition of the more common disorders of the visual system, terminology used in ophthalmology, and demonstrations and a preliminary level of competence in assessment of these orders will be introduced.

ORTH 1036 **Disorders of the Visual System IB**
Old code 14136. 5 credit points
Offered: July.

This unit covers the causes, types, investigation and treatment of cataract and introduces the management of ocular emergencies, the causes and assessment of anomalies of the visual field and the skills of ophthalmic history taking. Demonstrations and a preliminary level of competence in this assessment of these functions will be introduced, including short placements in orthoptic and ophthalmic clinics.

ORTH 2043 **Concomitant Strabismus B**
Old code 14245. 4 credit points
Offered: February. Prerequisite: Concomitant Strabismus A ORTH 2047 (14249); (pre- or corequisite) Instrumentation IIA ORTH 2050 (14252), Instrumentation IIB ORTH 2051 (14253). Assumed knowledge: Binocular Vision ORTH 1027 (14127).

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

ORTH 2047 **Concomitant Strabismus A**
Old code 14249. 4 credit points
Offered: February. **Corequisite:** Instrumentation IIA ORTH 2050 (14252). **Assumed knowledge:** Binocular Vision ORTH 1027 (14127).

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

ORTH 2048 **Disorders of the Visual System IIA**
Old code 14250. 3 credit points
Offered: February. **Prerequisite:** Disorders of the Visual System IA ORTH 1028 (14128) OR Disorders of the Visual System IB ORTH 1029 (14129). **Corequisite:** Instrumentation IIA ORTH 2050 (14252).

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

ORTH 2049 **Disorders of the Visual System IIB**
Old code 14251. 3 credit points
Offered: July. **Corequisite:** Instrumentation IIB ORTH 2051 (14253).

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

ORTH 2050 **Instrumentation IIA**
Old code 14252. 3 credit points
Offered: February. **Corequisite:** Concomitant Strabismus A ORTH 2047 (14249); Disorders of the Visual System IIA ORTH 2048 (14250).

The instrumentation and special procedures appropriate to the units Concomitant Strabismus A and Disorders of the Visual System IIA are studied in small group tutorial sessions. These skills include those of contact lens fitting and maintenance, slit lamp assessment, vertometry and orthoptic assessment and management of accommodative deviations.

ORTH 2051 **Instrumentation IIB**
Old code 14253. 3 credit points
Offered: July. Corequisite: Concomitant Strabismus B ORTH 2043 (14245); Disorders of the Visual System IIB ORTH 2049 (14251).

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

ORTH 2052 **Clinical Studies IIA**
Old code 14254. 6 credit points
Offered: February. Prerequisite: Binocular Vision ORTH 1027 (14127); Disorders of the Visual System IB ORTH 1029 (14129). Assumed knowledge: Visual Processes ORTH 1033 (14133); Disorders of the Visual System IA ORTH 1028 (14128).

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

ORTH 2053 **Clinical Studies IIB**
Old code 14255. 6 credit points
Offered: July. **Prerequisite:** Binocular Vision ORTH 1027 (14127); Disorders of the Visual System IB ORTH 1029 (14129). **Assumed knowledge:** Visual Processes ORTH 1033 (14133); Disorders of the Visual System IA ORTH 1028 (14128).
Students will be exposed to various clinical situations and conditions. Basic orthoptic techniques will be practised in the clinical setting and the student's technical, interpersonal and professional skills evaluated. Following the clinical placement students attend a debriefing workshop where clinical experiences are discussed. A case study and a personal learning objective is developed by the student after the clinical placement.

ORTH 3035 **Clinical Studies III**
Old code 14335. 21 credit points
Offered: February. Prerequisite: Clinical Studies IIA ORTH 2052 (14254) or IIB ORTH 2053 (14255), Instrumentation IIA ORTH 2050 (14252) & IIB ORTH 2051 (14251), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245). Assumed knowledge: Disorders of the Visual System IIA ORTH 2048 (14250) & IIB ORTH 2049 (14251).
Experiences encountered will consolidate theory presented in the program thus far and will especially relate to the second year units Instrumentation n, Concomitant Strabismus A and B and Disorders of the Visual System IIA and IIB. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3036 **Clinical Project**
Old code 14336. 3 credit points
Offered: July.
Students will carry out a structured clinical exercise in a professional area.

ORTH 3037 **Ocular Motility Disorders I**
Old code 14337. 4 credit points
Offered: July. **Prerequisite:** Concomitant Strabismus A ORTH 2047 (14249) OR Concomitant Strabismus B ORTH 2043 (14245),. **Corequisite:** Instrumentation III ORTH 3040 (14340).
The causes, special investigations and management of incomitant squint resulting from restrictive (mechanical) disorders and congenital syndromes will be studied.

ORTH 3038 **Disorders of the Visual System III**
Old code 14338. 4 credit points
Offered: July. **Assumed knowledge:** Clinical Studies III ORTH 3035(14355).
This unit explores testing procedures for the paediatric population with emphasis on their relationship to visual development and visual acuity assessment. Common presenting problems in the paediatric age group resulting in visual disorders are studied. The purpose of vision screening is also reviewed with emphasis on examining current practice and controversies.

ORTH 3039 **Rehabilitation Studies I**
Old code 14339. 4 credit points
Offered: July.
The management of children with permanent visual impairment, learning difficulties and the orthoptist's role in the management of children with developmental delay are studied.

ORTH 3040 **Instrumentation III**
Old code 14340. 2 credit points
Offered: July. **Corequisite:** Ocular Motility Disorders 1 ORTH 3037 (14337).
The instrumentation techniques for the investigation and management of inconcomitant strabismus will be taught and practised in tutorial groups.

ORTH 3047 **Assessment and Management Refractive Errors**
Old code 14347. 3 credit points
Offered: February.
This unit will extend preliminary knowledge of refractive errors to include more complex refractive error topics such as understanding latent and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction as well as A scan ultrasonography. Correction of refractive errors by both optical and surgical methods will also be a focus of this unit. Aspects of optical dispensing, fitting of contact lenses and surgical correction of refractive errors will be included.

ORTH 3048 **Research Proposal**
Old code 14348. 6 credit points
Offered: July.
The knowledge and skills introduced by the unit Developing a Research Project will be further developed to produce a thorough analysis of a research question, including appropriate design to address the question, implications of the proposed research and the submission of an application for approval to the appropriate University Ethics Committee. Students will present a seminar on their proposed research to a critical audience.

ORTH 3049 **Clinical Studies IIIII**
Old code 14349. 6 credit points
Offered: February.
Experiences encountered will consolidate theory presented in the program thus far and will especially relate to the second year units Instrumentation n, Concomitant Strabismus A and B and Disorders of the Visual System HA and HB. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 4007 **Ocular Motility Disorders II**
Old code 14408.4 credit points
Offered: February.
Disorders associated with cortical ocular motor control and neurological disorders of eye movement (supranuclear and intranuclear) are studied, along with their special assessment procedures and management.

ORTH 4008 **Disorders of the Visual System IV**
Old code 14409. 4 credit points
Offered: February.
This unit complements Ocular Motility Disorders II in the study of neuro opthalmology, and neurological visual field loss. The ageing eye and the ocular pathology of ageing are also studied.

ORTH 4009 **Rehabilitation Studies II**
Old code 14410. 4 credit points
Offered: February.
The visual implications of sensory and motor impairment and plasticity are studied, with emphasis on communication issues, visual impairment, management of visual field anomalies and orientation and mobility training.

ORTH 4010 **Professional Studies**
Old code 14411. 4 credit points
Offered: February.
Special issues relating to professional practice are discussed, covering complex case studies, medico legal issues, ethics, and occupational health.

ORTH 4011 **Research Project**
Old code 14412. 4 credit points
Offered: July.
Students will carry out a guided research exercise relevant to orthoptic practice.

ORTH 4012 **Clinical Studies IV**
Old code 14413. 20 credit points
Offered: July. **Prerequisite:** Clinical Studies III ORTH 3035 (14335); Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408); Instrumentation III ORTH 3040 (14340); Disorders of the Visual System IV ORTH 4008 (14409); Professional Studies ORTH 4010(14411).

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

ORTH 4013 Professional Elective

Old code 14414. 4 credit points

Offered: July.

Students will carry out a guided theoretical and clinical elective study in an area of professional interest.

ORTH 4018 Research Report

Old code 14419.12 credit points

Offered: Full year.

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

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

ORTH 4019 Clinical Studies IVH

Old code 14420. 20 credit points

Offered: Full year. **Prerequisite:** Clinical Studies III ORTH 3035 (14335), Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408), Instrumentation III ORTH 3040 (14340), Disorders of the Visual System IV ORTH 4008 (14409). **Corequisite:** Professional Studies ORTH 4010 (14411).

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

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

CHAPTER 6

School of Behavioural and Community Health Sciences

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

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

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

Bachelor of Behavioural Health Science

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

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

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

- That they are enrolled in at least 12 credit points per semester.
- That they make satisfactory progress in the course in subsequent semesters.
- That the course is completed within the maximum time allowed (10 years from initial enrolment).
- That they meet any prerequisite and corequisite requirements in the subjects for which they enrol.

Daytime attendance at lectures and seminars will be necessary to complete the program in part-time mode. It is the responsibility of the student to be aware of curriculum changes that may be introduced during the course of their enrolment, and to ensure that their programs of study are adjusted in line with these changes.

Admission requirements

The general admission requirements listed in Chapter 3 apply. It is recommended that students applying on the basis of Higher School Certificate results have a minimum of 2 units of English or 2 units of Mathematics.

Course outline

The course outlines for the Bachelor of Behavioural Healdi Science Pass and Honours courses are presented in Table 6.1.

Table 6.1: Bachelor of Behavioural Health Science

Course code	Mode of offer
2553	Pass course; Full-time, 3 years
2559	Honours program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1				
BACH 1021	(2511A)	Introduction to Health Psychology	6	-
BACH 1022	(251 IB)	Social Psychology and Communication	-	6
BACH 1023	(2511C)	Introduction to Health Sociology	6	-
BACH 1024	(251 ID)	Clients, Practitioners & Organisation	-	6
BACH 1025	(25 HE)	Professional Practice and Ethics I	-	5
BACH 1026	(251 IF)	Research Methods I: Design	3	-
BACH 1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BIOS 1112	(111C1)	Human Anatomy and Physiology A	4	-
BIOS 1113	(111C2)	Human Anatomy and Physiology B	-	4
HIMT 1043	(09143)	Microcomputer Applications	3	-
		Elective Studies[1]	2	-
		Stage total (48 credit points for Year 1)	24	24
Year 2				
Health Psychology Major				
BACH 2034	(2521N)	Abnormal Behaviour	3	-
BACH 2036	(2521P)	Disability Studies	3	-
BACH 2037	(2521Q)	Cognitive Functioning	-	3
BACH 2038	(2521R)	Health and Social Theory	6	-
BACH 2039	(2521S)	Organisational Studies	-	6
BACH 2124	(2521Y)	Behaviour Management	3	-
HIMT 3041	(09342)	Human Resource Management	3	-
		Elective Studies[1]	6	6
		Psychology Electives[2]		6
		Sociology Elective[3]	-	3
		Stage total (48 credit points for Year 2)	24	24
Year 2				
Health Sociology Major				
BACH 2034	(2521N)	Abnormal Behaviour	3	-
BACH 2036	(2521P)	Disability Studies	3	-
BACH 2038	(2521R)	Health and Social Theory	6	-
BACH 2039	(2521S)	Organisational Studies	-	6
BACH 2040	(2521T)	Health Policy and Service Delivery	-	6
HIMT 3041	(09342)	Human Resource Management	3	-
		Elective Studies[1]	6	3
		Psychology Electives[2]	-	9
		Sociology Elective[3]	3	-
		Stage total (48 credit points for Year 2)	24	24
***Year** 3 (first offered in 2001,)*				
Health Psychology Major				
BACH 2040	(2521T)	Health Policy and Service Delivery	-	6
BACH 3075	(25373)	Health Psychology	6	-
BACH 3076	(25374)	Counselling and Assessment	6	-
BACH 3077	(25375)	Workplace Attachment	-	6
BACH 3078	(25376)	Professional Practice and Ethics II	3	-
BACH 5298	(25594)	History and Philosophy of Scientific Methodology	6	-
		Elective Studies[1]	3	6
		Psychology Elective[2]	-	3
		Sociology Elective[3]	-	3
		Stage total (48 credit points for Year 3)	24	24

Unit code	(old code)	Unit name	Semi	Sem2
Year 3 (first offered in 2001)				
Health Sociology Major				
BACH 3077	(25375)	Workplace Attachment	-	6
BACH 3078	(25376)	Professional Practice and Ethics II	3	-
BACH 3079	(25377)	Health Policy Development	6	-
BACH 5298	(25594)	History and Philosophy of Scientific Methodology	6	-
		Elective Studies[1]	6	6
		Psychology Elective[2]	-	3
		Sociology Electives[3]	3	9
		Stage total (48 credit points for Year 3)	24	24

Honours program

Year 4 (to be first offered,in2002)

This is an additional year following the 3-year Pass Course

BACH 4054	(25453)	Research Project	14	20
		Research Elective[4]	6	-
		Honours Electives[5]	4	4
		Stage total (48 credit points for Year 4)	24	24

Notes to Table 6.1

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

BACH 3095	(25393)	Ageing, Society and Professional Practice
BACH 3096	(25394)	Older People in the Community
BACH 3097	(25395)	Older People in Care
BACH 3098	(25396)	Psychosocial Wellbeing in Older Adults
BACH 3099	(25397)	Law For Health Professionals
BACH 3100	(25398)	Patient Education I

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

BACH 3086	(25484)	Life Span Psychology and the Family
BACH 3087	(25385)	Advanced Counselling
BACH 3088	(25386)	Psychology of Sport and Exercise Adherence
BACH 3089	(25387)	Brain and Cognition
BACH 3090	(25388)	Psychology of Motor Behaviour

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

BACH 1100	(25183)	Sociology of Community and Family
BACH 3081	(25379)	Sociology of Sport
BACH 3082	(25380)	Sociology of the Aged and Aging
BACH 3083	(25381)	Culture, Health, and Illness
BACH 3084	(25382)	Alternative Medicine
BACH 3085	(25383)	Death and Dying

4. Research Electives + 6 credit points each

BACH 4055	(25454)	Intermediate statistics
BACH 4056	(25455)	Qualitative Research Methods
BACH 4057	(25456)	Survey Research Methods

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

BACH 4058	(25457)	Abnormal Psychology and Mental Health
BACH 4059	(25458)	Addictive Behaviours
BACH 4060	(25459)	Cognitive Function in Neurological Disorders
BACH 4061	(25460)	Organisational Psychology
BACH 4062	(25461)	Stress and Coping
BACH 4063	(25462)	Stress and Disability
BACH 4064	(25463)	Disability and the Community
BACH 4065	(25464)	Ethnic Minorities and Health Care in Australia
BACH 4066	(25465)	Health and Cultural Pluralism
BACH 4067	(25466)	Occupational Health and Stress
BACH 4068	(25467)	Organisational structures in Health Contexts

Bachelor of Health Science (Rehabilitation Counselling)

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

The degree is only to be completed on a full-time basis. A minimum of four years enrolment is required for those undertaking the course on a full-time basis. Enrolment for those undertaking the Honours component (which is entered at the commencement of Year three) is also four years full-time.

Admission requirements

There are no specific requirements for admission to the Bachelor of Health Science (Rehabilitation Counselling). Refer to general admission requirements in Chapter 3. It is expected that applicants will have successfully completed at least two units (or equivalent) of English in the Higher School Certificate (or equivalent). Mature aged applicants are encouraged to apply and need to meet the following requirements:

i) Professional or academic attainment other than HSC; AND
ii) A commitment to work in the rehabilitation counselling field; AND
iii) Preferably a minimum of one year's full-time employment in the areas of rehabilitation counselling, education or relevant field

Mature age applicants may be required to attend the Faculty for an interview or to complete a questionnaire.

Course outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) is presented in Table 6.2.

Table 6.2: Bachelor of Health Science (Rehabilitation Counselling)

Course code	Mode of offer
2531	Pass Course; Full-time, 4 years
2560	Honours; full-time, 4 years

Unit code	(old code)	Unit name	Semi	Sem 2
Pass Course				
Year 1				
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH 1029	(2511I)	Introduction to Health Sociology	3	-
BACH 1036	(2511P)	Clients, Practitioners and Organisations	-	3
BACH 1111	(25194)	Rehabilitation Psychology IA	3	-
BACH 1112	(25195)	Rehabilitation Psychology IB	-	3
BIOS 1110	(111B9)	Human Anatomy and Physiology A	4	-
BIOS 1111	(111C0)	Human Anatomy and Physiology B	-	4
REHB 1000	(25136)	Vocational Rehabilitation IA	3	-
REHB 1001	(25137)	Vocational Rehabilitation IB	-	3
REHB 1002	(25138)	Introduction to Rehabilitation Philosophy	3	-
REHB 1003	(25139)	Ethical Perspectives of Rehabilitation	-	3
REHB 1004	(25140)	Professional Practice I	5	8[1]
		Stage total (48 credit points for Year 1)	24	24
Year 2				
BACH 1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
BACH 2023	(2521C)	Rehabilitation Psychology IIA	2	-
BACH 2024	(2521D)	Rehabilitation Psychology IIB	-	2
BIOS 2086	(112E1)	Pathophysiology and Pharmacology A	2	-
BIOS 2087	(112E2)	Pathophysiology and Pharmacology B	-	2
REHB 2000	(25224)	Rehabilitation Counselling IA	2	-
REHB 2001	(25225)	Rehabilitation Counselling IB	-	2
REHB 2002	(25226)	Vocational Rehabilitation IIA	2	-
REHB 2003	(25227)	Vocational Rehabilitation IIB	-	2
REHB 2004	(25228)	Case Management and Rehabilitation Planning I	2	-
REHB 2005	(25229)	Case Management and Rehabilitation Planning II	-	2
REHB 2006	(25230)	Occupational Health, Disability and Rehabilitation A	2	-
REHB 2007	(25231)	Occupational Health, Disability and Rehabilitation B	-	2
REHB 2008	(25232)	Professional Practice II	9	12
		Stage total (48 credit points for Year 2)	24	24
Year 3				
BACH 3071	(25369)	Behaviour Disorders and Management	2	-
REHB 3002	(25307)	Rehabilitation Counselling IIA	3	-
REHB 3003	(25308)	Rehabilitation Counselling IIB	-	3
REHB 3004	(25309)	Vocational Rehabilitation IIIA	2	-
REHB 3005	(25310)	Vocational Rehabilitation IIIB	-	2
REHB 3006	(25311)	Accident Compensation Schemes Practicum	2	-
REHB 3007	(25312)	Avocational Rehabilitation	-	2

Unit code	(old code)	Unit name	Sem 1	Sem 2
REHB 3008	(25313)	Legal Perspectives of Rehabilitation	-	2
REHB 3009	(25314)	Medical Aspects of Disability A	2	-
REHB 3010	(25315)	Psychiatric Rehabilitation	-	2
REHB 3011	(25316)	Professional Practice IE	7	7
REHB 3012	(25317)	Philosophy and Politics of Disability and Rehabilitation	2	-
REHB 3023	(25329)	Medical Aspects of Disability B	-	2
		Elective I (from Gp. A)	2	-
		Elective II (from Gp. A)	2	
		Elective III (from Gp. A or B)		2
		Elective IV (from Gp. A or B)	-	2
		Stage total (48 credit points for Year 3)	24	. 24
Year 4 (first offered in 2001)				
BACH 4050	(25449)	Research Methods: Intermediate Statistics	3	-
REHB 4002	(25420)	Rehabilitation Counselling IIIA	3	-
REHB 4003	(25421)	Rehabilitation Counselling IIIB	-	3
REHB 4004	(25422)	Group Research Project	3	3
REHB 4005	(25424)	Professional Practice TV	13	14
		Elective V (from Gp. A)	2	-
		Elective VI (from Gp. A or B)	-	2
		Elective VII (from Gp. A or B)		2
		Stage total (48 credit points for Year 4)	24	24

Honours Program

Years 1 and 2

As for Pass program

Year 3

As for Pass Program, PLUS		one Research Elective (see Chapter 16)	. 3	-
REHB 3037	(25318)	Honours Workshop	-	2
Year 4 (first offered in 2001)				
REHB 4002	(25420)	Rehabilitation Counselling IIIA	. 3	-
REHB 4003	(25421)	Rehabilitation Counselling III*B*	-	3
REHB 4005	(25424)	Professional Practice IV	13	14
REHB 4006	(25425)	Thesis	8	7
		Stage total (48 credit points for Year 4)	24	24

Electives

Group A

AHCD 3012	(07346)	Aboriginal Studies*
REHB 3024	(253Al)	Rehabilitation and Substance Abuse
REHB 3025	(253A2)	Rehabilitation of Public Offenders
REHB 3026	(253A3)	Rehabilitation of Persons with Developmental Disability
REHB 3027	(253A4)	Rehabilitation and Older People
REHB 3028	(253A5)	Rehabilitation of Persons with Acquired Brain Injury
REHB 3029	(253A6)	Rehabilitation of Persons from NESB
REHB 3030	(253A7)	Rehabilitation of Persons with Vision Impairment*
REHB 3031	(253A8)	Rehabilitation of Persons with Hearing Loss
REHB 3032	(253A9)	Rehabilitation of Spinal Injury*
REHB 3033	(253B1)	Rehabilitation of Persons Living with HIV/AIDS
REHB 3034	(253B2)	Rehabilitation and Post-Traumatic Stress Disorders
REHB 3035	(253B3)	Chronic Pain in Rehabilitation*

Group B

BACH 3103	(253B5)	Contemporary Issues in Health and Medicine
BACH 3104	(253B6)	Health Planning, Policy and Evaluation
BACH 3105	(253B7)	Computing Applications for Health Practitioners
BACH 3106	(253B8)	Occupational Health and Stress
BACH 3108	(253B9)	Psychoanalysis, Health, Gender and Family
BACH 3109	(253C1)	Stress and Coping
BACH 3110	(253C2)	Stress and Disability
BACH 3111	(253C3)	Lifespan Psychology and Family
BACH 3112	(253C4)	Alternative Medicine
BACH 3113	(253C5)	Cognitive Functioning
BACH 3114	(253C6)	Behaviour Modification and Cognitive Therapy
BIOS 4043	(11497)	Selected Studies in Biomedical Sciences
REHB 3036	[253B4)	Leisure and Recreation for People with Disability*

* Not offered in 2001

Students may select other faculty electives (with the approval of a Rehabilitation Counselling Unit Academic Advisor). Electives of higher credit points value than 2 will demand more work of the student and will attract additional HECS fees. Examples of such electives include:

BACH 1100 (25183) Sociology of Community and Family, 3 credit points

HIMT 1039 (09139) Microcomputer Applications, 3 credit points

HIMT 3041 (09342) Human Resource Management, 3 credit points

Field experience/Professional practice

Bachelor of Health Science (Rehabilitation Counselling)

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

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

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

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

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

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

Field placements are arranged by the Coordinator of Professional Practice who is responsible for the overall coordination, monitoring and supervision of the field practice program. As far as practicable, the student's areas of interest and career goals are given consideration in the planning of their field placements.

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

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

The Coordinator of Professional Practice can be contacted on (02) 9351 9329.

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

Year 1

118 hours during semester and inter-semester periods.

*Y e a r 1 **

23 June to 6 August (inter-semester break). Note: Students will be expected to have completed four weeks supervised field experience/agency work by the end of semester 1 year 2, before commencement of this placement.

*Year 3**

23 June to 6 August (inter-semester break). Note: Some modifications to these schedules are possible to accomodate time constraints of students and supervisors.

Year 4

A ten week block placement (or equivalent) usually during inter-semester break and semester 2.

*The requisite number of hours need to be completed during this inter-semester break.

Units of study (Behavioural Health Science)

BACH 1021 Introduction to Health Psychology

Old code 2511 A. 6 credit points

Ms Karen Pepper

Offered: February. Classes: On Campus 4 hours/week.

Assessment: 2 reports, and written examination.

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

Textbooks

Pathways to Psychology (2nd ed). Sternberg, RJ. (2000).

BACH 1022 Social Psychology and Communication

Old code 2511B. 6 credit points

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

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

BACH 1023 Introduction to Health Sociology

Old code 2511C. 6 credit points

Mr Ian Andrews

Offered: February. **Prohibition:** Higher level units of Sociology.

Classes: On Campus 4 hours/week. **Assessment:** Assignments/ examinations.

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

Selected readings (reader)
Sociology: Themes and Perspectives. Haralambos, et al (2000).

BACH 1024 **Clients, Practitioners and Organisations**

Old code 2511D. 6 credit points
Dr Zakia Hossain
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C). **Classes:** On Campus 2 hours/week. **Assessment:** 2 assignments and examination.

This unit examines sociological perspectives relating to work, organisations and clients. It integrates organisational dimensions and problems of client interactions, aspects of work and non-work, and sociological approaches to practitioner-client relationships. Students will be expected to develop a series of alternate organisational approaches in a problem solving exercise. Students are expected to submit a project on either health promotion, health prevention or health needs assessment.
Textbooks
Book of reading

BACH 1025 **Professional Practice and Ethics I**

Old code 2511E. 5 credit points
Dr Liselotte Mutthen-Schulte
Offered: July. Prerequisite: Introduction to Psychology.
Corequisite: Introduction to Health Sociology. Assessment:
Interactive review 25%. Presentation 15%. 2 hour exam 60%.
This unit introduces the student to the broad requirements of working at both the clinical and policy level in the health system. The unit introduces students to notions of values and conflicts, and explores the role of ethics, and ethical reasoning, within contemporary approaches to public life and health service delivery. The role of professionalisation, registration, and interest groups as promoting codes of conduct and the implications of these for both legal and ethical practice will be considered. The unit also provides information relating to the various laws pertaining to health practice, such as Duty of Care legislation, privacy laws, and various mental health acts. Students will be introduced to the notion of a legislative framework as a special circumstance underlying health service activities, and the ability to read and reflect on this framework will be developed. The unit also provides an introduction to skills in negotiation and dispute resolution in work settings.
Textbooks
Conflict Management: APractical Guide. Condlitte, P. (1991).

Tafe Publications.
Making Social Policy in Australia. (1996). Dalton, I., Drafer, H., & Wiseman. Allen and Unwin.

BACH 1026 **Research Methods I: Design**

Old code 2511F. 3 credit points
Dr Peter Choo
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. Abroad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.
Textbooks
Handbook for Research Methods in Health Sciences. Minichiello, V. et al (Eds). (1999). Sydney: Addison-Wesley.

BACH **1100 Sociology of Community and Family**

Old code 25183/25183X. 3 credit points
Dr Rosemary Cant
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH **1**098 (25181). **Classes:** On Campus 2 hours/week. **Assessment:** Assignments and examination.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit.
Textbooks
Manual with key material and references.

BACH 1118 **Research Methods II: Data Analysis and Statistics**

Old code 2511R. 3 credit points
Offered: July. **Classes:** Flexible learning.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2034 **Abnormal Behaviour**

Old code 2521N. 3 credit points
Dr Mairwen Jones
Offered: February. **Prerequisite:** Introduction to Health Psychology BACH 1021 (2511A). **Classes:** On Campus 1 hour lecture/week andl hour tutorial. **Assessment:** Tutorial presentation and examination.

This unit examines psychological and psychiatric approaches to abnormal behaviour and psychopathology. Students will develop an understanding of the classification of psychiatric disorders using the Diagnostic and Statistical Manual of Mental Disorders. Students will also gain an understanding of how such disorders fit into the major systems of personality developed by psychologists, and of some of the major approaches to working with people with a psychiatric disability.
Textbooks
The Diagnostic and Statistical Manual of Mental Disorders, (4th ed). (1994). American Psychiatric Association.

BACH 2036 **Disability Studies**

Old code 2521 P. 3 credit points
Offered: February.

This unit provides students with a general understanding of the position in society of people with physical and intellectual disabilities. On the basis of this knowledge students will be able to adjust their attitudes and professional behaviour towards people with disabilities such that they improve the effectiveness of their service behaviour and achieve better relationships with clients.

This unit approaches the study of disability from the perspective of psychological, social and cultural forces influencing people's reactions, and adjustment to disability.

BACH 2037 **Cognitive Functioning**

Old code 2521Q. 3 credit points
Dr Lynne Harris
Offered: July. **Prerequisite:** Introduction to Health Psychology BACH 1021 (2511A). **Prohibition:** Congitive and Development Psychology BACH 1093 (25176), Cognitive Functioning BACH 1088 (25171), Disability Studies BACH 2036 (2521P). **Classes:** 2 hours/ week. **Assessment:** Assignments/examination.
This unit presents an information processing approach to cognitive functions such as pattern recognition, attention, and memory. The logic, theory, and methodology of cognitive experimentation is examined and considered in relation to neurologically intact and impaired individuals.
Textbooks
Cognitive Psychology (3rd ed). Eysenck and Keane. (1995). Erlbaum

BACH 2038 **Health and Social Theory**

Old Code 2521R. 6 credit points
Mr Dennis Mclntyre
Offered: February. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C). **Classes:** On Campus 4 hours/week.
Assessment: Assignments and examination.
This unit considers classical and contemporary sociological theory as it applies to health care at a micro and macro level. It draws on a range of theoretical approaches including those of Marx, Weber, Goffman, Habermas, Foucault and Virchow. This unit will provide conceptual tools and will suggest practical applications of social theory to the health context. Skills will be developed in (a) identifying the social orgins of illness; (b) recognising relationships between soma, psyche, and affect as conditions of illness behaviour; and (c) treating illness as a social process. Social structure and social identity will be grounded in everyday life.
Textbooks
Selected readings (reader)

BACH 2039 **Organisational Studies**

Old code 2521S. 6 credit points
Dr Barbara Adamson
Offered: Full year. **Prerequisite:** Introduction to Health Psychology BACH 1021 (2511 A), Introduction to Health Sociology BACH 1023 (2511C). **Assumed knowledge:** Introduction to Health Psychology BACH 1021 (2511 A), Introduction to Health Sociology BACH 1023 (2511C). **Classes:** On Campus 3 hours/week. **Assessment:** Continuous assessment.
This unit provides an introduction to fundamental areas in the sociology and psychology of organisations. Students will develop an appreciation of organisational shapes and settings and of organisational behaviour in current and/or future employment areas.
Practical: Fieldwork 9 hours.
Textbooks
Nil - manual with key material and references

BACH 2040 **Health Policy and Service Delivery**

Old code 2521T. 6 credit points
Dr Carol O'Donnell
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C). **Assessment: 1** project, 1 essay, 1 exam.
This unit provides an understanding of the key social aspects of health and health service provision. The unit examines Australian health policy and services, and the growth of a holistic and preventive health care focus in the Australian and international context. Cross-cultural perspectives on health, and the effects of demographic change on health and health care need and provision, are also addressed. Topics include the history and formal structure and funding of health services at federal, state and regional levels.
Practical: Project; discussion of health policy in media.

BACH 2124 **Behaviour Management**

Old code 25210. 3 credit points
Offered: February. **Prerequisite:** Introduction to Health Psychology BACH 1021 (2511 A).
This unit explores in detail the behavioural approach to the management of abnormal behaviour and psychological difficulties. Behavioural management strategies are based on the application of learning principles to managing psychiatric disability. The module examines the theory and application of behavioural management strategies. Students will undertake an exercise in developing behavioural management skills (via a single case study) in an accompanying seminar series.

BACH 3075 **Health Psychology**

Old code 25373. 6 credit points
Dr Steve Cumming
Prerequisite: Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (25210). **Classes:** Lecture and Seminar.
Assessment: 2 essays, 2 x 1 hour exam.
This unit examines two major areas of health psychology. Firstly, psychological approaches to understanding and managing pain, and the relationship of pain to injury and chronic illness is considered. Pain is a complex multi-dimensional construct with sensory, emotional, motivational, behavioural, and environmental components. Current theoretical debates regarding the nature and perception of acute and chronic pain are introduced, and techniques currently used in the management of acute and chronic pain /are surveyed. Secondly, students are acquainted with the major approaches to understanding and conceptualising stress and coping in our society. Stress represents a reaction to a situation or event which depends on personality, the person-environment fit and the presence of social support. Aspects of the work situation and human service organisations are identified as foci for the study of stress. The seminar program aims to give students a first hand knowledge of the assessment strategies used in stress research and management, and direct participation in stress management skills, including relaxation, time management, goal setting and developing coping skills.
Textbooks
Manual and text

BACH 3076 **Counselling and Assessment**

Old code 25374. 6 credit points
Dr Steve Cumming
Prerequisite: Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (25210). **Assessment:** Assignment and final examination.
This unit provides an overview of issues and techniques involved in the assessment of children, adults and families, and will introduce the student to the main approaches in the various schools of counselling and psychotherapy. Students will develop skills in basic counselling approaches, and will develop an awareness of the techniques that underlie creditable psychotherapies. In addition, the principles of psychological test construction, administration and interpretation will be examined. Students will acquire an ability to understand how to perform a behavioural assessment, how to make use of reports provided by a psychologist, and what is involved in the referral and treatment of complex psychological and psychosocial problems. A seminar program will concentrate on students developing basic counselling and behaviour change skills.

BACH 3077 **Workplace Attachment**

Old code 25375. 6 credit points
Dr Steve Cumming
Offered: July. **Assessment:** Assignment.
This unit involves two components. Firstly, students undertake a three week workplace attachment during the inter-semester break. Secondly, students will meet during semester to discuss their fieldwork experiences, in terms of the goals of the workplace, and of the policy, ethical, legal, communication, and management issues and applications encountered. Students will submit a detailed report of the workplace attachment, analysing the experience in terms of each of these dimensions.
Practical: 15 days fieldwork.

BACH 3078 **Professional Practice and Ethics II**

Old code 25376.3 credit points
Dr Steve Cumming
Offered: February. Prerequisite: Professional Practice and Ethics I BACH 1025 (2511E). Assessment: Assignment and examination.
This unit identifies the themes developed in the introductory unit and explores them from two angles. The first is the expectation that students will develop a set of values that inform professional practice, and identify how these values may be expressed in a diverse and multicultural society. The second is that students will be required to understand issues associated with professional conduct, supervision, registration and required practice, and how these may impact on their envisaged role within organisations. In seminars students will be expected to work through examples of ethical and professional dilemmas, and to demonstrate the application of communication, negotiation and dispute resolution skills.

BACH 3079 **Health Policy Development**

Old code 25377. 3 credit points
Dr Zakia Hossain
Offered: February. **Prerequisite:** Health Policy and Service Delivery BACH. **Assumed knowledge:** Health Policy and Service Delivery BACH. **Classes:** 4 hours/week. **Assessment:** Final assignment and examination.
this unit extends the analysis of health related policy. Students will develop skills in needs assessment, program development, program implementation and program evaluation (case studies of health policy service will be used for analysis)

BACH 3081 **Sociology of Sport**

Old code 25379. 3 credit points
Mr Ian Andrews
Offered: Full year. **Prohibition:** Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). **Classes:** On Campus 2 hours/week. **Assessment:** Assignment/examination.
This unit examines the nature of modern sporting forms and practices, and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age, and disability); ideology, power and politics in sport; the links between sport and 'community'; and the relationship between the mass media and professional sports.

BACH 3082 **Sociology of the Aged and Aging**

Old code 25380. 3 credit points
Dr Rosemary Cant
Prerequisite: Introduction to Health Sociology (101C2) or equivalent.
This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined.

BACH 3083 **Culture, Health and Illness**

Old code 25381. 3 credit points
Ms Ann Hale
Offered: Full year. **Assumed knowledge:** Introduction to Health SociologyBACH 1023 (2511C). **Classes:** On Campus 2 hours/week. **Assessment:** Final assignment.
This unit provides a cross-cultural and comparative analysis of health and human behaviour. It focuses on the inter-relationship between culture, medical systems, and social organisation in non-Western and Western societies with emphasis upon the health needs of Aboriginal and migrant peoples. Students will develop a series of alternate scenarios to designed to address current health issues.

BACH 3084 **Alternative Medicine**

Old code 25382. 3 credit points
Ms Ann Hale
Offered: July. **Classes:** 2 hours/week. **Assessment:** Final assignment.
This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3085 **Death and Dying**

Old code 25383.3 credit points
A/Prof Glynhis Howarth
Offered: February. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C). **Classes:** 2 hours/week. **Assessment:** Final assignment.
This unit introduces sociological approaches to death and dying. A central theme of this unit is the issue of how socially and culturally constructed approaches to death and dying manifest themselves in social norms, and in particular systems of health care and bereavement provision. Changes in the place and nature of death throughout the twentieth century are discussed in terms of social developments such as declining mortality rates, changes in the nature of family and community networks, increased geographical mobility, and growing secularisation.

BACH 3086 **Life Span Psychology and the Family**

Old code 25384. 3 credit points
This unit introduces students to a life span approach to human development, focussing on the physical, cognitive and psychosocial changes experienced during each life stage. Psychological development in the latter half of the life-span is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships and health status that occur across the life-span are also traced. The unit will investigate the role of the family as a central component of modern society, and explore developmental approaches to the family parallel to studies of individual development.

BACH 3087 **Advanced Counselling**

Old code 25385. 3 credit points
Dr Chris Lennings
Offered: July. **Classes:** Seminar groups. **Assessment:** Case study discussions and critques.
This unit builds on Counselling and Assessment, and extends the Egan model of counselling. Students will practice applying problem finding and problem solving counselling strategies. The unit will also introduce students to advanced behaviour change techniques, particularly relationship counselling, family therapy and group therapy.
Textbooks
The Skilled Helper. Egan, B. (1998).

BACH 3088 **Psychology of Sport and Exercise Adherence**

Old code 25386. 3 credit points
Mr Justine Stynes
Offered: February, July. **Assessment:** Assignment and examination.
This unit examines the application of principles of psychology in the sporting context. The concepts of motivation and self-confidence in sport, social relations, group interactions and sport-related social phenomena, cognitive strategies to enhance sporting performance, the psychological benefits of exercise are considered along with psychological approaches to exercise adherence.
Textbooks
Book of Readings

BACH 3089 **Brain and Cognition**

Old code 25387. 3 credit points
Dr Lynne Harris
Offered: July. Assessment: Assignment and examination.
This unit introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive-neuropsy-

chological approach to understanding fundamental cognitive processes. The cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation are considered.
Practical: Cognitive Neuroscience: The Biology of the Mind. Gassanigo, M.S, Irving, R.B. Mengon. Norton.

BACH 3090 Psychology of Motor Behaviour

Old code 25388. 3 credit points
Offered: July.

This unit will cover information processing and the human sensory-motor system, stages of skill acquisition, motor development, age and skill, automatic versus conscious motor control, expert-novice skill differences, ecological and motor program approaches, motor learning and rehabilitation settings, operant applications, biofeedback, and behaviour modification, hemispheric specialisation, handedness, vision and kinesthesis in motor control.

BACH 3095 Ageing Society and Professional Practice

Old code 25393. 3 credit points
Dr Cherry Russell
Offered: Full year. **Assumed knowledge:** Introduction to Health Sociology BEHS 1126 (101E4). **Classes:** Independent and learning package. **Assessment:** Report.

This unit aims to contribute to effective professional practice in an ageing society. It provides an overview of key diemes and issues including demographic ageing, social constructions of ageing, retirement, social divisions and public policy directions.
Textbooks
Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin.

BACH 3096 Older People in the Community

Old code 25394. 3 credit points
Dr Cherry Russell
Offered: Full year. **Assumed knowledge:** Introduction to Health Sociology BEHS 1126 (101E4). **Classes:** Independent learning package/ off campus. **Assessment:** 2 x assignments.
This unit examines (i) the home and community environment of older people in relation to factors which affect their health and quality of life; (ii) the provision of community services for frail or disabled older people.
Textbooks
Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin.

BACH 3097 Older People in Care

Old code 25395. 3 credit points
Assumed knowledge: Introduction to Health Sociology BEHS 1126 (101E4). **Classes:** Not Offered in 2001. **Assessment:** 2 assignments.

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

BACH 3098 Psychosocial Wellbeing in Older Adults

Old code 25396. 3 credit points
Dr Steve Cummings and A/Prof Glynnis Horwarth
Offered: Full year. **Corequisite:** Introduction to Health Psychology BACH 1021 (2511 A), Introduction to Health Sociology BACH 1023 (2511C). **Classes:** 2 hours. **Assessment:** Two essays.

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

BACH 3099 Law for Health Professionals

Old code 25397. 3 credit points
Dr Judith Mair
Offered: February. **Classes:** 2 hours/week. **Assessment:** 1. Court report 2. Seminar presentation. 3. Examination.
In this unit students will be introduced to the structure and function of the Australian legal system as a basis for understanding the way in which the legal system deals with matters related to the delivery of health care. The progress of a case from pre-trial processes to court practices will be reviewed. Students will be introduced to substantive law relevant to clinical practice such as negligence, assault and consent, and false imprisonment. The criminal law system is covered, especially when relevant to clinical practice. Students will also be referred to relevant statutory law, Commonwealth and State.
Practical: Court visit and report.
Textbooks
Advised at commencement of course

BACH 3100 Patient Education I

Old code 25398. 3 credit points
Offered: Full year.

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

BACH 4054 Research Project

Old code 25453. 34 credit points
Offered: Full year.
Semester 1: 14 credit points. Semester 2: 20 credit points.

BACH 5298 History and Philosophy of Scientific Methodology

Old code 25594.6 credit points
Dr Rod Rothwell
Offered: February.

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.

BIOS 1112 Human Anatomy and Physiology A

Old code 111C1.4 credit points
Ms Catherine Willis
Offered: February. **Classes:** 4 hours/week. **Assessment:** End-Semester Written Exam.

This unit introduces cellular structures and function including cellular metabolism, protein synthesis and cell division. In order to understand the structure and functions of the cell, some aspects of chemistry and biochemistry will be discussed. Growth, development and ageing of humans will also be covered. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available.
Textbooks
1. Martini. Introduction to Anatomy and Physiology
2. Betdeheim and Marsh. Introduction to General, Organic and Biochemistry

BIOS 1113 Human Anatomy and Physiology B

Old code 111C2. 4 credit points
Ms Dana Strain
Offered: July. **Assessment:** Mid-semester Exam, End of Semester Exam.

This unit is an introduction to the systems of the body using the theme of homeostatis. The eight systems studied are the digestive, endocrine, cardiovascular, respiratory, nervous, renal, musculoskeletal and reproductive systems. This unit includes a limited number of laboratory classes and tutorials. Independent learning modules are available for student's use.
Textbooks
Martini. Fundamentals of Anatomy and Physiology. (4th ed). Prentice Hall.

III MT 1039 Microcomputer Applications

Old code 09139.4 credit points
Offered: February. **Classes:** Day classes, attendance required. **Assessment:** Assignments/examinations.

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

Textbooks
'Microsoft Office 97 Professional Edition Illustrated: A First Course. Swanson, M.L., Reding, E.E., Beskeen, D.W., & Johnson, S.M. (1997). Cambridge: Course Technology.

HIMT 3041 **Human Resource Management**
Old code 09342. 3 credit points
Offered: February. **Classes:** On Campus. **Assessment:** Assignments.

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

Units of study (Rehabilitation Counselling)

AHCD3012 **Aboriginal Studies**
07346 credit points
NB: Not offered in 2001.

BACH 1026 **Research Methods I: Design**
Old code 2511F. 3 credit points
Dr Peter Choo
Offered: February. Classes: On Campus 2 hours/week.
Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence based practice will be emphasised.
Textbooks

Handbook for Research Methods in Health Sciences. Minichiello, V. et al (Eds). (1999). Sydney: Addison-Wesley.

BACH 1028 **Research Methods II: Data Analysis and Statistics**
Old code 2511H. 3 credit points
Mr Alan Jones
Offered: Full year. **Prerequisite:** or Corequisite by permission. Research Methods I: Design BACH 1026 (2511F). **Classes:** Flexible learning. **Assessment:** Assignment/examination.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 1029 **Introduction to Health Sociology**
Old code 25111/25111X. 3 credit points
Mr Ian Andrews
Offered: February. **Prohibition:** Higher level units of sociology. **Classes:** On Campus 2 hours/week, Off Campus. **Assessment:** Assignment/examination.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Practical: N/A.
Textbooks
Selected readings (Reader)

BACH 1036 **Clients, Practitioners and Organisations**
Old code 2511 P. 3 credit points
Dr Zakia Hossain
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029(25111). **Classes:** 13 Lectures, 13 Seminars. **Assessment:** Assignment and examination.

This unit of study assists students to use sociological perspectives to analyse key interpersonal and organisational aspects of therapy and work in health care settings. It focuses on client-practitioner relationships and the legislative and institutional context of work and health care provision.
Textbooks
Book of reading

BACH 1100 **Sociology of Community and Family**
Old code 25183/25183X. 3 credit points
Dr Rosemary Cant
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098 (25181). **Classes:** On Campus 2 hours/week. **Assessment:** Assignments and examination.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit.
Textbooks
Manual with key material and references.

BACH 1111 **Rehabilitation Psychology IA**
Old code 25194. 3 credit points
Ms Karen Pepper
Offered: February. **Classes:** On Campus 2 hours/week,.
Assessment: Essay and written examination.

Students gain an understanding of the major theoretical perspectives, concepts and vocabulary of psychology as the science of human behaviour. How individuals perceive, think about and behave in the world is examined as well as explaining and predicting what they might do at any particular time.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 1112 **Rehabilitation Psychology IB**
Old code 25195. 3 credit points
Dr Steve Cumming
Offered: July. **Prerequisite:** Introduction to Health Psychology BACH 1116 (25199). **Classes:** On Campus 3 hours/week.
Assessment: Assignments and examination.

The unit allows students to apply the principles of psychology examined in Semester 1. Students complete a series of practical exercises, beginning with structured activities in class and lead-

ing to small group projects in areas of special interest. The practical exercises will require students to consider design issues, participate in data collection, evaluate findings and communicate findings.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 2023 Rehabilitation Psychology IIA

Old code 2521C. 2 credit points
Offered: February. **Prerequisite:** Rehabilitation Psychology IA BACH 1111 (25194) and Rehabilitation Psychology IB BACH 1112 (25195).
Students learn a general understanding of the social position and life experiences of people with disabilities. On the basis of this knowledge, students are able to examine their own attitudes and professional behaviour towards people with disabilities and make changes to improve the effectiveness of the services they deliver.

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

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

BACH 2024 Rehabilitation Psychology IIB

Old code 2521D. 2 credit points
Dr Gomathi Sitharthan
Offered: July. **Prerequisite:** Rehabilitation Psychology IA BACH 1111 (25194) and Rehabilitation Psychology IB BACH 1112 (25195). **Classes:** On Campus 2 hours/week. **Assessment:** Continuous.
Social psychology. Introduction to theories and research on interaction between people, particularly at work. A variety of theoretical perspectives are described, allowing students to understand more effectively social processes in the workplace.

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

BACH 3071 Behaviour Disorders and Management

Old code 25369. 2 credit points
The application of behavioural techniques to a variety of situations is studies. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, illness and stigma, in drawing up contacts such as the rehabilitation program plan, in job coaching and employer negotiations.

BACH 3103 Contemporary Issues in Health and Medicine

Old code 253B5. Dr Kaye Brock
Offered: February, July. **Classes:** 2 hours/week. **Assessment:** Case study, report/seminar.
Students familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills from previous learning is utilised in their critical evaluation of these issues.
Textbooks
No core text

BACH 3104 Health Planning, Policy and Evaluation

Old code 253B6. DrZakia Hossain
Offered: July. **Classes:** 1 hour/week. **Assessment:** Assignment (project).
The purpose of this unit is to introduce students to the basic elements of needs assessment, program planing and evaluation in areas of health and health services. Topics include program planning concept, concept of need assessment, theories of change, implementation process and evaluation techniques.
Textbooks
Book of readings

BACH 3105 Computing Applications for Health Practitioners

Old code 253B7.4 credit points
Dr Peter Choo
Offered: Full year. **Assumed knowledge:** Familiarity with Windows Operating System. **Prohibition:** BACH 5028. **Assessment:** 2 assignments and projects.
In this unit students will be introduced to computer systems in general with special emphasis on personal computers, including operating systems and concepts for computing. The basic principles for programming will be introduced. Popular applications of relevance to health practitioners and individual clinicians will be covered including spread sheets for preparation of budgets and reports; word processing for billing and correspondence; and data base managers for maintaining patient or client records. Methods of using data stored by these means for research purposes will be considered. Students will also be introduced to the world of the Internet and encouraged to communicate with colleagues elsewhere in Australia and overseas. The host of resources available on Internet will be covered as will techniques for accessing these. Resources of particular interest for students' professional practice will be emphasized.

BACH 3106 Occupational Health and Stress

Old code 253B8. **Offered:** February, July.
OHS issues are examined within the context of social, economic and political processes and structures. Particular emphasis is placed on OHS as an industrial relations issue, state intervention in OHS policies and the role of the medical and legal professions. Factors which affect occupational performance, experience and satisfaction, health and well being are considered, and reference made to studies attempting to explore and modify stress in various organisations.

BACH 3108 Psychoanalysis, Health, Gender and Family

Old code 253B9. **Offered:** February, July.
Recent research is considered on the contribution of psychological factors to physical illness, and thte differential impact of caring for elderly, ill and disabled persons on different family members. Critical appraisal is made of the main types of group therapy and family therapy, transactional analysis, psychodrama, and milieu therapy.

BACH 3109 Stress and Coping

Old code 253C1. **Offered:** February, July.
The elective considers how social context and external factors influence 'stress'. Arguments that the term 'stress' is misleading and that emphasis should be placed on external factors or social conditions are considered. The concept of stress mastery is addressed, models of coping compared and their relationship to the construction of stress management programs critically evaluated.

BACH 3110 Stress and Disability

Old code 253C2. **Offered:** February, July.
The elective examines the incidence of various disabilities. Community perceptions are examined, including the reasons behind the existence of 'high profile', 'stigma' and 'cultural acceptability' differences across disabilities. Factors associated with living with a disability are examined, and the relationship of research to individual accounts critically examined.

BACH 3111 Lifespan Psychology and Family

Old code 253C3. **Offered:** February, July.
This unit introduces students to a life span approach to human development, focussing on the physical, cognitive and psychosocial changes experienced during each life stage. Psychological development in the latter half of the life-span is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships and health status that occur across the life-span are also traced. The unit will investigate the role of the family as a central component of modern society, and explore developmental approaches to the family parallel to studies of individual development.

BACH 3112 **Alternative Medicine**

Old code 253C4. Ms Ann Hale
Offered: February, July. **Classes:** 2 hours/week. **Assessment:** Final Assignment.

This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3113 **Cognitive Functioning**

Old code 253C5. **Prerequisite:** Introduction to Health Psychology BEHS 1124 (101E2). **Prohibition:** Cognitive and Developmental Psychology BACH 1093 (25176), Cognitive Functioning BACH 1088 (25171), Cognitive Functioning BACH 2037 (2521Q), Psychology of Disability II BACH 2114 (25290). **Assessment:** Assignments and examination.

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

Textbooks

Cognitive Psychology. (3rd ed). Eysenck & Keane. (1995). Erlbaum.

BACH 3114 **Behaviour Modificiation and Cognitive Therapy**

Old code 253C6. Dr Steve Cumming
Offered: July. **Assessment:** Assignment.

The elective covers the basic principles of learning theory and their application to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students develop programs based on reinforcement principles.

BACH 4050 **Research Methods: Intermediate Statistics**

Old code 25449. 3 credit points
Dr Peter Choo
Offered: February. Prerequisite: Research Methods I: Design BACH 1026 (2511F). Classes: On Campus 3 hours/week.
Assessment: Written assignment and examination.

This unit builds on Research Methods 2: Data Analysis and Statistics BACH 1118 (25 HR) and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from physiotherapy practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of "data, cross-tabulations, measures of central tendency and variability, distributions and standard across and correlation, and tbe introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BIOS 1110 **Human Anatomy and Physiology A**

Old code 111B9. 4 credit points
Ms Catherine Willis
Offered; February. **Classes:** 4 hours/week. **Assessment:** End-Semester Written Exam.

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

Textbooks

1. Martini. Introduction to Anatomy and Physiology.
2. Betdeheim and Marsh. Introduction to general, Organic and Biochemistry

BIOS 1111 **Human Anatomy and Physiology B**

Old code 111 CO. 4 credit points
Ms Dana Strain
Offered: July. **Assessment:** Mid-Semester and End of Semester Exams.

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

Textbooks

Martini. Fundamentals of Anatomy and Physiology. (4th ed). Prentice Hall.

BIOS 2086 **Pathophysiology and Pharmacology A**

Old code 112E1.2 credit points
DrPatWeerakoon
Offered: February. **Prerequisite:** Human Anatomy and Physiology A BIOS 1110 (11189) and Human Anatomy and Physiology B BIOS 1111 (111C0).

This unit will consist of 2 modules of study:

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

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

BIOS 2087 **Pathophysiology and Pharmacology B**

Old code 112E2.2 credit points
Dr Elizabeth Hegedus ,
Offered: July. **Prerequisite:** Human Anatomy and Physiology A BIOS 1110 (111B9) and Human Anatomy and Physiology B BIOS 1111 (111C0).

This unit will consist of 2 modules of study:

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

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

BIOS 4043 **Selected Studies in Biomedical Sciences**

Old code 11497. Dr Pat Weerakoon
Offered: July.

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

HIMT1039 **Microcomputer Applications**

Old code 09139. 4 credit points
Offered: February. Classes: Day classes, attendance required.
Assessment: Assignments/examinations.

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

Textbooks

'Microsoft Office 97 Professional Edition Illustrated: A First Course. Swanson, M.L., Reding, E.E., Beskeen, D.W., & Johnson, S.M. (1997). Cambridge: Course Technology.

HIMT 3041 **Human Resource Management**

Old code 09342. 3 credit points
Offered: February. **Classes:** On Campus. **Assessment:** Assignments.

This unit is designed to introduce the student to the human resource management function relevant to the work of a health information manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and

affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered and students are taught how to prepare their own curriculum vitae.

REHB 1000 Vocational Rehabilitation IA

Old code 25136. 3 credit points
MrTrevor Hawkins
Offered: February. **Classes:** On Campus 2hours/week.
Assessment: Assignment, examination, quiz.
The unit provides a general overview of the fields of vocational psychology and vocational rehabilitation. Examination is made of the vocational development process and the impact of disability on this process. Theories of vocational development are analysed with special reference to their appropriateness to individuals with disability.
Practical: Tutorials (every second week).

REHB 1001 Vocational Rehabilitation IB

Old code 25137. 3 credit points
MrTrevor Hawkins
Offered: July. **Prerequisite:** Vocational Rehabilitation IA REHB 1000 (25136). **Classes:** On Campus 2 hours/week, Off Campus.
Assessment: Essay and examination.
The unit introduces students to the process of vocational rehabihtation and stresses the importance that vocational counselling plays in the overall success of this process. A vocational counselling framework and the tools and resources to support it are presented to students. Strategies for planning for and implementing vocational counselling decisions are also introduced.
Practical: Tutorials (every 2nd week).

REHB 1002 Introduction to Rehabilitation Philosophy

Old code 25138. 3 credit points
Dr Rod Rothwell
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 1500 words Essay.
Students examine and analyse the historical and philosophical background relating to the emergence of rehabilitation as a human service. The unit focuses on changes in attitudes towards disability, the interrelationship between medical practice and disability and the social background leading to the demand for rehabilitation services. These historical changes are related to the various philosophical views of human nature that have informed and underpinned the developments in social policy on health and rehabilitation services.
Practical: Practical Assignment.
Textbooks
Study Notes provided

REHB 1003 Ethical Perspectives of Rehabilitation

Old code 25139. 3 credit points
MrTrevor Hawkins
Offered: July. Classes: On Campus 2 hours/week. **Assessment:** Log Book and examination.
The unit provides an introduction to ethical principles as they are applied to health care and rehabilitation. It is designed to introduce students to meoretical perspectives of ethical principles and reasoning. The unit also introduces students to the concept of applying ethical principles in the analysis of contemporary dilemmas in health care and counselling, and in the conduct of research.

REHB 1004 Professional Practice I

Old code 25140.13 credit points
Ms Ruth Crocker
Offered: Full year. **Assessment:** Completed documentation from agency visits and workshops.
The practicum comprises an essential component of the overall process of developing professional competence and identity as a rehabilitation counsellor. In the first year students are familiarised with the role and function of the rehabilitation counsellor through field visits, participation in seminars and workshops conducted at selected agencies, and tutorials in preparation for field placements. This unit also includes orientation to disability and basic written communication skills.

REHB 2000 Rehabilitation Counselling IA

Old code 25224.2 credit points
Ms Sandra Bentley
Offered: February. **Classes:** 2 hours. **Assessment:** Examination.
The unit aims to develop students' understanding of the application of counselling theories and practices in the process of rehabilitation counselling. Ethical issues such as confidentiality and privacy are addressed.
Textbooks
Theory and Practice of Counselling. (2000). Corey, G.

REHB 2001 Rehabilitation Counselling IB

Old code 25225. 2 credit points
Ms Sandra Bentley
Offered: July. **Classes:** 2 hours. **Assessment:** Assignment.
Students are introduced to and provided with the opportunity for practice in the purposeful application of basic interviewing skills in the counselling process.
Textbooks
Intentional Interviewing. (1999) Ivey. A.

REHB 2002 Vocational Rehabilitation IIA

Old code 25226.2 credit points
MrTrevor Hawkins
Offered: February. **Classes:** 2 hours/week. **Assessment:** Practical assignment, examination, essay.
The unit aims to give students an appreciation of the importance of appropriate evaluation of the client as an adjunct to vocational counselling and overall vocational planning. Students are exposed to the range of client assessment techniques available, discuss the relevance of various techniques to specific disability groups and are introduced to vocational report writing.
Textbooks
No core text

REHB 2003 Vocational Rehabilitation MB

Old code 25227.2 credit points
MrTrevor Hawkins
Offered: July. **Prerequisite:** Vocational Rehabilitation IIA REHB 2002 (25226). **Classes:** 2 hours/week. **Assessment:** Practical assignment, examination.
The unit highlights the need to assess the workplace and specific jobs in tandem with client assessment. Students learn to appreciate the differing demands of jobs and to accept that these demands can be modified by implementing appropriate forms of change at the worksite. The issues of prevention and management of disability in the workplace are also addressed.
Textbooks
No core text

REHB 2004 Case Management and Rehabilitation Planning I

Old code 25228.2 credit points
Ms Sandra Bentley
Offered: February. **Classes:** 2 hours/week. **Assessment:** Examination.
The unit provides students with general theoretical principles which underlie good case management practice such as organisation, time management, decision making, conflict resolution, team building, budgeting, timeliness of service, negotiation, record keeping. The essence of case and caseload management in rehabilitation is defined and issues relating to the subtleties of case management in different rehabilitation populations such as compensible vs non-compensible, physical vs psychiatric disability are explored and clarified.

REHB 2005 Case Management and Rehabilitation Planning II

Old code 25229.2 credit points
Ms Sandra Bentley
Offered: July. **Prerequisite:** Case Management and Rehabilitation Planning I REHB 2004 (25228). **Classes:** 2 hours/week.
Assessment: Examination.
The unit builds on the theoretical base presented in Case Management and Rehabilitation Planning I. Students are introduced to the fundamental elements of the case management process as they relate to all rehabihtation clients. Exercises relevant to each of the stages/aspects of the process are presented. Students are

introduced to computerised case management systems. During the course, students are asked to case manage clients from beginning to end. Some clients have a compensation history, and the others have no compensation involvement.

REHB 2006 Occupational Health, Disability and Rehabilitation A

Old code 25230. 2 credit points
Offered: February.

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

REHB 2007 Occupational Health, Disability and Rehabilitation B

Old code 25231.2 credit points
Offered: July.

The pattern of occupational injury and illness in Australia is described and explained in terms of the organisation of work, and also the rehabilitation of people with work-related disabilities is analysed in the context of the various social strategies devised to deal with the widespread failure of measures to prevent workplace injuries and illnesses.

REHB 2008 Professional Practice II

Old code 25232. 21 credit points
Ms Ruth Crocker
Offered: Inter-semester, full year. **Prohibition:** N/A (as coordinator's discretion). **Classes: 1** hour/week on campus and placements off campus. **Assessment:** Placement-related assignments.
Offered Inter-semester.

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

REHB 3002 Rehabilitation Counselling IIA

Old code 25307.3 credit points
Ms Sandra Bentley
Offered: February. Prerequisite: Rehabilitation Counselling 1A REHB 2000 (25224), Rehabilitation Counselling 1B REHB 2001 (25225). Classes: On Campus 2 hours/week. Assessment: Video.
This unit provides skills acquisition in advanced counselling skills applied in a rehabilitation counselling context.
Practical: Weekly Tutorials.

REHB 3003 Rehabilitation Counselling IIB

Old code 25308. 3 credit points
Ms Sandra Bentley
Offered: July. **Prerequisite:** Rehabilitation Counselling 1A REHB 2000 (25224), Rehabilitation Counselling 1B REHB 2001 (25225). **Classes:** On Campus 2 hours/week.

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

REHB 3004 Vocational Rehabilitation IIIA

Old code 25309.2 credit points
Mr Trevor Hawkins
Offered: February. **Classes:** On Campus 2 hours/week Off Campus. **Assessment:** Exercise and examination.

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

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

REHB 3005 Vocational Rehabilitation IIIB

Old code 25310.2 credit points
Mr Trevor Hawkins
Offered: July. Prerequisite: Vocational Rehabilitation IIIA REHB 3004 (25309). Classes: On campus 2 hours/week, Off Campus.
Assessment: Exercise and examinations.
Students are exposed to methods of assisting clients to seek thenown employment. Job seeking and job maintenance skills are discussed. The program has a practical focus.
Practical: Weekly Tutorials.

REHB 3006 Accident Compensation Schemes Practicum

Old code 25311. 2 credit points
Ms Sandra Bentley
Offered: February. **Classes:** 2 hours/week. **Assessment:** Examination.

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

REHB 3007 Avocational Rehabilitaion

Old code 25312. 2 credit points
Ms Ruth Crocker
Offered: July. Classes: On Campus 2 hours/week. Assessment: 1500 word essay, final assignment, class exercises.
This unit introduces and explores key issues in the provision of non-vocational programs and long-term case management for people with disability. The range of non-vocational options, including recreation and leisure, sport and social skills programs are investigated. Students have opportunities to identify the need for non-vocational programs through case studies, and develop rehabilitation counselling skills to facilitate access to client specific options.

REHB 3008 Legal Perspectives of Rehabilitation

Old code 25313. 2 credit points
Dr Judith Mair
Offered: July. **Classes:** 2 hours/week. **Assessment:** Court report, examination.

Students are introduced to the structure and function of the Australian legal system and general principles of law governing human behaviour. The unit is designed to give students an understanding of how the law affects persons with a disability, social or physical.
Practical: Attend court proceedings.
Textbooks
No core text

REHB 3009 Medical Aspects of Disability A

Old code 25314.2 credit points
Ms Lynda Matthews
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Seminar presentation.

The unit aims to provide a background of information and knowledge of the medical basis of disability and the implications for rehabilitation practice. The first semester covers the following body systems: Cardiovascular, Respiratory, Renal, Urinary, Musculoskeletal and the Nervous System. Students fa-

miliarise themselves with the biological aspects of various disabiling conditions and the implications for rehabilitation.

REHB3010 Psychiatric Rehabilitation

Old code 25315. 2 credit points
Ms Lynda Matthews
Offered: July. **Prerequisite:** Rebabilitation counselling units year 1 and year 2. **Classes:** On Campus 2 hours/week. **Assessment:** Assignment or seminar presentation.
This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of people with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

REHB 3011 Professional Practice III

Old code 25316.14 credit points
Ms Ruth Crocker
Offered: Full year. Assessment: Placement related requirements.
Students are required to complete a supervised 5-week full-time block placement in a rehabilitation or related program. Students are expected to put into practice their knowledge and skills in rehabilitation counselling though case management and rehabilitation planning, in a supervised setting. Pre- and post-placement tutorials focus on skill development and future career direction.

REHB 3012 Philosophy and Politics of Disability and Rehabilitation

Old code 25317.2 credit points
Offered: February.
Students examine recent developments in approaches to rehabilitation. In particular, attention is paid to the impact of political developments on the provision of services to people with disability, this includes an analysis of the medical approach to disability and rejections of this approach by the movement for independent living and the Disability Movement. The political/ philosophical impact of these developments is discussed in relation to areas within the rehabilitation arena such as vocational/ occupational rehabilitation, worker and accident compensation, private for profit rehabilitation and developments in deinstitutionalisation and other consumer based services.

REHB 3023 Medical Aspects of Disability B

Old code 25329. 2 credit points
Ms Lynda Matthews
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Seminar presentation.
The unit aims to provide a background of information and knowledge of the medical basis of disability and its implications for rehabilitation practice. The second semester covers Hearing Disorders, Visual Disorders, Bums and Dermatological Disorders, Cancer and HTV/AIDS disease.

REHB 3024 Rehabilitation and Substance Abuse

Old code 253A1. Dr Rod Rothwell
Offered: February. **Classes:** Attendance 2 hours/week.
Assessment: Assignment 2000 Words.
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.
Textbooks
Notes handed out.

REHB 3025 Rehabilitation of Public Offenders

Old code 253A2. Dr Rod Rothwell
Offered: July. Classes: On Campus, Night Classes 2 hours/week.
Assessment: Continuous, 1 assignment.
The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and 'corrective programs' for both adult and juvenile public offenders.
Textbooks
The criminology Theory. (1998). Henry, S., and Einstadter, W. Redder, NY UNIW Press

REHB 3026 Rehabilitation of Persons with Developmental Disability

Old code 253A3. Dr Darien Chinnery
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Pratical report.
The history of attitudes and services is presented. The organic and social bases of developmental disability are examined. Special emphasis is given to policy developments and community programs for independent living and vocational preparation.

REHB 3027 Rehabilitation and Older People

Old code 253A4. Dr Cherry Russell
Offered: February, July. **Classes:** Contract learning and Off Campus model. **Assessment:** Essay.
The aim is to provide an understanding of population and individual ageing and its impUications for the helping professions. Topics covered include: demographic ageing; ageism and social/professional values; work and retirement; ageing and disability; aged care services.
Textbooks
No core text, reading provided

REHB 3028 Rehabilitation of Persons with Acquired Brain Injury

Old code 253A5. Mr Trevor Hawkins
Offered: February, July. **Classes:** 1 hour/week, Also available Off Campus mode. **Assessment:** Essay.
The nature of head injury is examined and its effect on functioning. The rehabilitation process for this population is discussed with emphasis on evaluation, planning and resettlement.
Textbooks
No Core Text

REHB 3029 Rehabilitation of Persons from NESB

Old code 253A6. **Offered:** February, July.
Students are made aware of the nature and extent of disabilities among people from non-English speaking backgrounds. Poverty, social isolation and the difficulty in accessing appropriate rehabilitation services are discussed.

REHB 3030 Rehabilitation of Persons with Vision Impairment

Old code 253A7. **Offered:** Not offered in JulyOOFebruary.

REHB 3031 Rehabilitation of Persons with Hearing Loss

Old code 253A8. **Offered:** February, July.
Different types of hearing loss and their implications for communication are discussed. The merits of a range of technological devices are assessed, and programs enabling clients to manage their hearing loss are evaluated.

REHB 3032 Rehabilitation of Spinal Injury

Old code 253A9. **Offered:** Not offered in JulyOOFebruary.

REHB 3033 Rehabilitation of Persons Living with HIV/AIDS

Old code 253B1. 2 credit points
Offered: February, July (dependent on staff availability).
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 HTV/AIDS, and investigate the role rehabilitation counsellors play in providing services for people living with HTV infection.

REHB 3034 Rehabilitation and Post-Traumatic Stress Disorder

Old code 253B2. Ms Lynda Matthews
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Seminar or written essay.
The history and development of PTSD as a clinical entity is examined and major e xplanatory and research models reviewed. Students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

REHB 3035 Chronic Pain in Rehabilitation

Old code 253B3. **Offered:** Not offered in JulyOOFebruary.

REHB 3036 **Leisure and Recreation for People with Disability**

Old code 253B4. **Offered:** February, July. **Prerequisite:** A vocational Rehabilitation. **Classes:** Not offered in 2001. **Assessment:** Final assignment, class exercises.

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

REHB 3037 **Honours Workshop**

Old code 25318.2 credit points
Dr Darien Chinnery
Offered: July. **Classes:** 1 hour/week. **Assessment:** Research Proposal.

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

REHB 4002 **Rehabilitation Counselling IIIA**

Old code 25420. 3 credit points
Ms Sandra Bentley
Offered: February. **Classes:** 2 hours/week. **Assessment:** Assignments.

This unit provides students with introduction to and practice in Solution-focused Brief Therapy, and Group Counselling.

REHB 4003 **Rehabilitation Counselling 1MB**

Old code 25421. 6 credit points
Ms Sandra Bentley
Offered: February. **Classes:** 2 hours/week. **Assessment:** Interview.

Interview practice which focuses on counselling to facilitate case management of specific disabilities. Case study approach is used.

REHB 4004 **Group Research Project**

Old code 25422. 6 credit points
Dr Darien Chinnery
Offered: Full year. **Prerequisite:** or Corequisite: Research Methods: Intermediate Statistics BACH 4050 (25449). **Classes:** On Campus 2 hours/week. **Assessment:** Assignments.

Working in groups and with supervision, students choose a research topic from the fields of rehabilitation and/or disability, develop a research design, prepare an ethics submission, collect data and interpret the results. The project is presented in seminar and also written up as a report. Students are encouraged to submit their work for journal publication.
Practical: Data collection.

REHB 4005 **Professional Practice IV**

Old code 25424.27 credit points
Ms Ruth Crocker
Offered: Full year. **Prerequisite:** Professional practice 1,2,3. **Prohibition:** N/A (at coordinator's discretion). **Classes:** On Campus, 1 hour/week placements off-campus. **Assessment:** Placement-related assignments.
Semester 1:13 credit points. Semester 2:14 credit points.

Students are required to complete a supervised ten-week full-time block (or equivalent) placement in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning, in a supervised setting.
Practical: As per description.
Textbooks
Subject manual only

REHB 4006 **Thesis**

Old code 25425.15 credit points
Dr Darien Chinnery
Offered: Full year. **Classes:** On Campus, supervisor meetings. **Assessment:** Thesis.
Semester 1: 8 credit points. Semester 2: 7 credit points.

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

CHAPTER 7

School of Biomedical Sciences

The School of Biomedical Sciences incorporates biophysics, biochemistry, basic biology, human anatomy and physiology, pathophysiology, microbiology. Since its inception in 1973 as a Department it has provided training in these basic and applied sciences relevant to undergraduate students in the different professions studying on this campus. In 1999 the Department changed its name to the School of Biomedical Scieces. Subject material in many of the Faculty's Diploma, Graduate Diploma and Master's courses is taught by the School.

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

Table 7.1: Summary of Biomedical Sciences units of study

NB: Use the Index to find unit of study descriptions

Unit code	(old code)	Unit name
BIOS 1054	(11158)	Introductory Human Biology
BIOS 1055	(11161)	Body Systems I
BIOS 1064	(11172)	Functional Anatomy A
BIOS 1065	(11173)	Functional Anatomy B
BIOS 1068	(11176)	Introductory Human Biology
BIOS 1069	(11177)	Musculoskeletal Anatomy
BIOS 1070	(11178)	Introductory Neurobiology
BIOS 1071	(11179)	Neurobiology I
BIOS 1072	(11180)	Optics I
BIOS 1073	(11181)	Body Systems I
BIOS 1074	(11182)	Optics II
BIOS 1076	(11184)	Biological Sciences I
BIOS 1079	(11187)	Molecules, Food and Energy
BIOS 1082	(11191)	Introductory Neurobiology
BIOS 1083	(11192)	Neurobiology I
BIOS 1084	(11193)	Introductory Human Biology
BIOS 1094	(111 A3)	Fundamental Computer Skills
BIOS 1095	(111A4)	Data Management and Presentation
BIOS 1104	(111B3)	Basic Human Biology IA
BIOS 1105	(111B4)	Basic Human Biology IB
BIOS 1106	(111B5)	Biological Sciences LA
BIOS 1107	(111B5X)	Biological Sciences IB
BIOS 1108	(111B7)	Body Structure, Homeostasis and Movement I
BIOS 1109	(111B8)	Body Structure, Homeostasis and Movement II
BIOS 1110	(111B9)	Human Anatomy and Physiology A
BIOS 1111	(111C0)	Human Anatomy and Physiology B
BIOS 1112	(111C1)	Human Anatomy and Physiology A
BIOS 1113	(111C2)	Human Anatomy and Physiology B
BIOS 1114	(111D0)	Introductory Biomedical Sciences
BIOS 1115	(111D1)	Body Function in Health and Disease
BIOS 1116	(111C3)	Speech Science I
BIOS 1117	(111C4)	Speech Science II
BIOS 1118	(111C5)	Hearing Science
BIOS 1119	(111C6)	Introductory Radiation Physics 1A
BIOS 1120	(111C7)	Introductory Radiation Physics 1B
BIOS 1122	(111C8)	Biomedical Sciences 1A
BIOS 1123	(111C9)	Biomedical Sciences 1B
BIOS 2037	(11286)	Body Systems II
BIOS 2038	(11287)	Neurobiology II
BIOS 2060	(112B1)	Introductory Pathology
BIOS 2061	(112B2)	Ocular Biology
BIOS 2062	(112B3)	Neurobiology II for Communication Disorders
BIOS 2063	(112B4)	Visual Neurobiology
BIOS 2073	(112C5)	Kinesiology and Applied Anatomy
BIOS 2082	(112D7)	Basic Human Biology IIA
BIOS 2083	(112D8)	Basic Human Biology IIB
BIOS 2084	(112D9)	Biological Sciences IIA
BIOS 2085	(112E0)	Biological Sciences IIB
BIOS 2086	(112E1)	Pathophysiology and Pharmacology A
BIOS 2087	(112E2)	Pathophysiology and Pharmacology B
BIOS 2090	(112E5)	Biological Sciences II
BIOS 2091	(112E8)	Neurobiology I
BIOS 2092	(112E8)	Neurobiology II
BIOS 2093	(112E6)	Biomedical Sciences 2
BIOS 2094	(112E7)	Oncology A
BIOS 3019	(11374)	Body Systems III
BIOS 3029	(11384)	Neurology for Communication Disorders
BIOS 3031	(11386)	Bio-electrical Signals and Computing
BIOS 3032	(11387)	Embryology and Neural Plasticity
BIOS 3042	(11397)	Biological Sciences IIIA
BIOS 3043	(11398)	Biological Sciences IIIB
BIOS 3046	(113A1)	Biological Sciences III
BIOS 3049	(113A2)	Hormones, Metabolism and Exercise
BIOS 3050	(11343)	Oncology B
BIOS 3051	(113A4)	Biological Sciences IIIA
BIOS 4029	(11466)	Visual Science
BIOS 4035	(112B4)	Sexuality for Health Professionals
BIOS 4036	(11490)	Biology of Ageing
BIOS 4037	(11491)	Applied Biology of Ageing
BIOS 4038	(11492)	Health, Disease and Ageing
BIOS 4039	(11493)	Biological Aspect of Disease Management
BIOS 4040	(11494)	Alternate Health Care in Health Professional Practice
BIOS 4041	(11495)	Toxic Effects of Drugs and Other Chemicals
BIOS 4042	(11496)	Research into Toxic Effects of Drugs and Other Chemicals
BIOS 4043	(11497)	Selected Studies in Biomedical Sciences
BIOS 4044	(11498)	Embryology
BIOS 4045	(11499)	Applied Neurobiology*
BIOS 4046	(114A1)	Clinical Physics*
BIOS 4047	(114A2)	Body Systems and Human Function
SING 4008	(20408)	Pathophysiology
SING 4042	(20442)	Pathophysiology A
SING 4043	(20443)	Pathophysiology B
SING 4066	(20466)	Pathophysiology
SING 4067	(20467)	Pathophysiology

*Not offered in 2001

CHAPTER 8

School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders is not only the first and the largest program in communication sciences and disorders in New South Wales, it is among the largest of such programs in Australia. It has its genesis in the first training of speech pathologists in Australia at Sydney's Royal Alexandra Hospital for Children under the leadership of the founder of Australian Speech Pathology, Elinor Wray.

Because of its size and maturity, the School has an internationally reputed and published academic staff who represent a range of speciality and research areas in human communication sciences and communication disorders. These are advantages that provide students with the distinct benefit of studying with experts in their fields, individuals who are researchers in the areas in which they teach. Together, expert academics and master clinical staff offer a mentored and stimulating learning environment and research opportunities that are supported by the School's extensive faciUties and resources.

Programs of study

The School of Communication Sciences and Disorders offers opportunities for students to study for a:

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

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

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

An *Honours program* is available for each of these two courses and provides opportunities for talented undergraduate students interested in research and/or pursuing graduate studies to obtain early experiences in the design and conduct of research in communication sciences and disorders.

In contrast to the undergraduate courses, at the graduate level the *Master of Health Science (Speech-Language Pathology)* is a coursework program offered by distance exclusively for speech pathologists who wish to focus their further study on specific aspects of the professional discipline. Also exclusively for speech pathologists is the *Master of Communication Disorders.* This program provides speech pathologists with the opportunity to develop a specialisation via research. The *Master of Applied Science (Communication Sciences and Disorders)* course is also a research program. Admission to this course is open to individuals with varied backgrounds in areas related to the human communication sciences and/or communication disorders. It is designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics, or researchers in the field of communication sciences and disorders. In either of the research programs topics are individualised for students in order for them to meet their specific career objectives.

At the *PhD* level, study is directed to focused research on an area of communication sciences and disorders. Students work in consultation with their research supervisors to develop and conduct a line of research in an area relevant to communication sciences and/or disorders. Admission is available to individuals with a wide range of backgrounds relevant to the human communication sciences and/or communication disorders who have had previous research experiences, such as an honours degree, a research master's degree, or other equivalent preparation. Because of the expertise of the School's academics and the extensive facilities of the School and University, many different areas of research interests of students can be accommodated. Individuals with PhDs in this area find rewarding careers in academic, research and clinical settings.

Facilities and resources

The School of Communication Sciences and Disorders has a variety of facilities and resources that support its teaching, student clinical practice, research and community service activities. The School's large on-campus *Communication Disorders Treatment and Research Clinic,* which is a centre of excellence that serves communicatively impaired children and adults, functions as a dynamic teaching and research laboratory. The *Audiology Clinic* and the *Stuttering Research and Treatment Clinic* are part of this Clinic. Other unique facilities are student units located in various hospitals and centres in the Sydney metropolitan and country NSW areas. Special clinical, teaching, and research relationships exist between the School and speech pathology departments in external sites that are designated as Clinical Affiliates. The University of Sydney Clinical Affiliates are the speech pathology services of: Bankstown Hospital, Hornsby-Kuringai Hospital and Community Health Services, Liverpool Health Services, the New England Area Health Service, St Joseph's Hospital, Royal Rehabilitation Centre, Sydney and internationally Singapore General Hospital.

The School's *Speech Science Laboratory,* also housed in the same area as the on-campus Clinic, is designed to support research activities of academic staff, graduate and Honours students, and undergraduate teaching. It also provides services for the on-campus clinic with faciUties for clinical speech measurement. Programs in the Laboratory are focused on measurement of disordered and normal speech using the Laboratory's modern technology, such as a powerful digital speech analysis system, laryngograph, visipitch and nasometer, all supported by computers. Access to a variety of speech databases on CD-ROM is available. High quality speech recordings can be made in the Laboratory's sound-treated studio, using either analog or digital technology. Other

desktop computing facilities are available in the School to support teaching and research. The School's *STEP (Speech Transmission Evaluation Protocol) Laboratory* provides the School with the capacity to examine the communicative effectiveness of speech sent through electronic mediums.

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

Bachelor of Applied Science (Speech Pathology)

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

Full-time and Part-time Study

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

- Enrolment in the equivalent of at least 4 full units of study per academic year, except when a student has fewer that 4 units remaining to complete requirements for graduation.
- Passing the equivalent of 6 units of study over any 2 academic year periods.
- Completion of all CSCDlxxx units of study prior to enrolling in any CSCD3xxx units.
- Completion of all year 1 units within two years.

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

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

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment.
  Maximum time: 10 years from the initial academic year of enrolment.
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with different first numerals in their codes, - eg, CSCD 2xxx and CSCD 3xxx, and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'satisfactory progress' requirements, per above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
  Where a unit of study has a corequisite, a student is to enrol in mat unit as well as the corequisite in the same semester.
  Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
  Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.
  A recommended background unit of study should be completed before enrolling in a unit for which it is listed. Enrolment in any unit of study without completion of recommended background units of study is not advised and students doing so carry the responsibility for their decision. In any case, a student wishing to enrol in a unit of study without completion of the recommended background units must consult with the unit's coordinator.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing these with the Part-time Student Coordinator.

Admission requirements

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

Course outline

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

Honours program

For information specific to the Speech Pathology Honours Program, students are advised to contact the Honours Coordinator for the School of Communication Sciences and Disorders.

Students in the Honours Program complete all year one and year two units of study in the Pass Program. In Year three Honours students undertake some of the same units of of study in the Pass Program as well as units that are unique to the Honours Program. In Year four, all units the Honours students undertake are unique to the Honours Program.

Table 8.1: Bachelor of Applied Science (Speech Pathology) - Standard Progression

Course code	Mode of offer
1206	Pass Course; Full-time; 4 years
1217	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass Course				
Year 1: Foundation Year				
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH 1092	(25175)	Introductory Psychology	3	-
BACH 1093	(25176)	Cognitive and Developmental Psychology	-	5
BACH 1095	(25178)	Disorders and their Management	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	-
BIOS 1070	(11178)	Introductory Neurobiology	3	-
BIOS 1071	(11179)	Neurobiology I	-	2
BIOS 1116	(111C3)	Speech Science I	3	-
BIOS 1117	(111C4)	Speech Science II	-	3
BIOS 1118	(111C5)	Hearing Science	-	4
CSCD 1024	(12124)	Linguistics	3	-
CSCD 1025	(12125)	Professional Development I: Introduction to Professional Learning	-	2
CSCD 1026	(12126)	Phonetics I	2	-
CSCD 1028	(12128)	Normal Communication Development	3	-
CSCD 1029	(12129)	Articulation and Phonology	-	4
		Stage total (48 credit points for Year 1)	24	24
Year 2				
BACH 1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
BACH 2109	(25285)	Cognitive Neuropsychology I	-	5
BIOS 2062	(112B3)	Neurobiology II for Communication Disorders	6	-.
CSCD 2030	(12278)	Voice Science and Disorders	-	4
CSCD 2035	(12283)	Phonetics II	2	-
CSCD 2040	(12288)	Audiology I	3	-
CSCD 2041	(12289)	Language Impairments in Children I	3	. -
CSCD 2042	(12290)	Language Impairments in Children II	-	3
CSCD 2043	(12291)	Stuttering	3	-
CSCD 2046	(12294)	Audiological Management I	-	3
CSCD 2047	(12295)	Speech and Language Impairments of Neurological Origin I	-	3
CSCD 2048	(12296)	Introductory Speech Pathology Clinical I	1	-
CSCD 2049	(12297)	Introductory Speech Pathology Clinical II	-	3
CSCD 2051	(12299)	Professional Development IIA: Fieldwork and Clinical Skills	3	-
CSCD 2052	(122A0)	Professional Development IIB: Fieldwork and Clinical Skills	-	3
		Stage total (48 credit points for Year 2)	24	24
Year 3				
BACH 1030	(2511J)	Introduction to Health Sociology	2	
BACH 1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH 3055	(25353)	Cognitive Neuropsychology II	-	3
BACH 3056	(25354)	Patient Management: Theories and Applications	5	-
BACH 3057	(25355)	Social and Health Psychology	-	4
BIOS 3029	(11384)	Neurology for Communication Disorders	1	-
CSCD 3023	(12327)	Speech and Language Impairments of Neurological Origin II	4	-
CSCD 3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD 3032	(12336)	Professional Development III: Management Skills	3	-
CSCD 3034	(12338)	Craniofacial Anomalies		3
CSCD 3036	(12340)	Language Impairments in Children III	-	2
CSCD 3037	(12341)	Swallowing Impairments	2	-
CSCD 3038	(12342)	Intermediate Speech Pathology Clinical I	4	
CSCD 3039	(12343)	Intermediate Speech Pathology Clinical II		8[1]
CSCD 3049	(12347)	Audiological Management II	-	2
		Stage total (48 credit points for Year 3)	**24**	**24**

Year 4: Clinical-Professional Year

Students in Year 4 of the course will be assigned to either Group A or B. Group assignment will be known by the end of Semester 1, Year 3. In Year 4, students in Group A enrol in units of study with the alpha 'A' in the names of the units (eg, 'Advanced Topics A') while students in Group B enrol in units of study containing the alpha 'B' in the name (eg, 'Advanced Topics B').

Group A

CSCD 4026	(12431)	Advanced Topics A	6	-
CSCD 4027	(12432)	Professional Development IVA: Advanced Issues	6	-
CSCD 4028	(12433)	Advanced Speech Pathology Clinical IA	10	-
CSCD 4029	(12434)	Advanced Speech Pathology Clinical IIA		24
CSCD 4042	(12448)	Clinical Mentoring A	2	-
		Stage total (48 credit points for Group A)	24	24

Group B

CSCD 4030	(12435)	Advanced Topics B	-	6
CSCD 4031	(12436)	Professional Development IVB: Advanced Issues	-	6
CSCD 4032	(12437)	Advanced Speech Pathology Clinical IB	-	10
CSCD 4033	(12438)	Advanced Speech Pathology Clinical IIB	24	-
CSCD 4043	(12449)	Clinical Mentoring B	-	2
		Stage total (48 credit points for Group B)	24	24

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

Honours program

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

Year 3

BACH 1030	(2511 J)	Introduction to Health Sociology	2	-
BACH 1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH 3055	(25353)	Cognitive Neuropsychology II	-	3
BACH 3056	(25354)	Patient Management: Theories and Applications	5	-
BACH 3057	(25355)	Social and Health Psychology	-	4
BIOS 3029	(11384)	Neurology for Communication Disorders	1	-
CSCD 3023	(12327)	Speech and Language Impairments of Neurological Origin II	4	-
CSCD 3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD 3034	(12338)	Craniofacial Anomalies		3
CSCD 3036	(12340)	Language Impairments in Children III	-	2
CSCD 3037	(12341)	Swallowing Impairments	2	-
CSCD 3049	(12347)	Audiological Management II	-	2
CSCD 3050	(12348)	Intermediate Speech Pathology Clinical III	4	-
CSCD 3051	(12349)	Honours Research Seminar I: Literature Review	2	-
CSCD 3052	(12350)	Professional Development IIIH: Management Skills	1	-
CSCD 3053	(12351)	Intermediate Speech Pathology Clinical IIH	-	7
CSCD 3054	(12352)	Honours Research Seminar II: Research Proposal	-	1
		Stage total (48 credit points for Year 3)	24	24

Year 4 (Clinical-Professional Year)

CSCD 4035	(12440)	Advanced Speech Pathology Clinical III	22	-
CSCD 4036	(12441)	Professional Development IVH: Advanced Issues	-	2
CSCD 4037	(12442)	Advanced Speech Pathology Clinical IIH	-	12
CSCD 4038	(12443)	Honours Thesis	2	8
CSCD 4044	(12450)	Clinical Mentoring H	-	2
		Stage total (48 credit points for Year 4)	24	24

Note

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

Bachelor of Health Science (Hearing and Speech)

Full-time and part-time study

The Bachelor of Health Science (Hearing and Speech) is structured as a full-time degree course offered over 3 years, with expected enrolment in units totalling 24 credit points each semester. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. Within the School of Communication Sciences and Disorders, students enrolling part-time are those enrolled in a minimum of 10 and a maximum of 17 credit points per semester. Part-time students in Hearing and Speech are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 4 full units of study per academic year, except when a student has fewer that 4 units remaining to complete requirements for graduation.
- Passing the equivalent of 6 units of study over any 2 academic year periods.
- Completion of all CSCD lxxx units of study prior to enrolling in any CSCD3xxx units.
- Completion of all year 1 units within two years.

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

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

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment.
  Maximum time: 10 years from the initial academic year of enrolment.
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with different first numerals in their codes + - eg, CSCD2xxx and CSCD3xxx + and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'satisfactory progress' requirements, per above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
  Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester.
  Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
  Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.

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

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

Admission requirements

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

Course outline

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

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

Course code	Mode of Offer
1221	Pass Course; Full-time, 3 years
1222	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1: Foundation Year				
BACH 1026	(2511F)	Research Methods I: Design	3	
BACH 1092	(25175)	Introductory Psychology	3	-
BACH 1093	(25176)	Cognitive and Developmental Psychology	-	5
BACH 1095	(25178)	Disorders and their Management	-	4
BIOS 1068	(11176)	Introductory Human Biology	4	
BIOS 1070	(11178)	Introductory Neurobiology	3	
BIOS 1071	(11179)	Neurobiology I	-	2
BIOS 1116	(111C3)	Speech Science I	3	
BIOS 1117	(111C4)	Speech Science II	-	3
BIOS 1118	(111C5)	Hearing Science	-	4
CSCD 1024	(12124)	Linguistics	3	
CSCD 1025	(12125)	Professional Development I: Introduction to Professional Learning	-	2
CSCD 1026	(12126)	Phonetics I	2	
CSCD 1028	(12128)	Normal Communication Development	3	
CSCD 1029	(12129)	Articulation and Phonology	-	4
		Stage total (48 credit points in Year 1)	24	24

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 2				
BACH 1028	(2511H)	Research Methods: Data Analysis and Statistics	3	-
BACH 2109	(25285)	Cognitive Neuropsychology I	-	5
BIOS 2062	(112B3)	Neurobiology II for Communication Disorders	6	-
CSCD 2030	(12278)	Voice Science and Disorders	-	4
CSCD 2035	(12283)	Phonetics II	2	-
CSCD 2040	(12288)	Audiology I	3	-
CSCD 2041	(12289)	Language Impairments in Children I	3	-
CSCD 2042	(12290)	Language Impairments in Children II	-	3
CSCD 2043	(12291)	Stuttering	3	-
CSCD 2046	(12294)	Audiological Management I	-	3
CSCD 2047	(12295)	Speech and Language Impairments of Neurological Origin I	-	3
CSCD 2051	(12299)	Professional Development IIA: Fieldwork and Clinical Skills	3	-
CSCD 2052	(122A0)	Professional Development IIB: Fieldwork and Clinical Skills	-	3
CSCD 2053	(122A1)	Communication Fieldwork I	1	-
CSCD 2054	(122A2)	Communication Fieldwork II	-	3
		Stage total (48 credit points in Year 2)	24	24
Year 3				
BACH 1030	(2511J)	Introduction to Health Sociology	2	-
BACH 1032	(2511L)	Clients, Practitioners and Organisations	-	2
BACH 3055	(25353)	Cognitive Neuropsychology II	-	3
BACH 3056	(25354)	Patient Management: Theories and Applications	5	-
BACH 3057	(25355)	Social and Health Psychology	-	4
BIOS 3029	(11384)	Neurology for Communication Disorders	1	-
CSCD 3024	(12328)	Communication Impairments in Special Populations	3	-
CSCD 3032	(12336)	Professional Development III: Management Skills	3	-
CSCD 3034	(12338)	Craniofacial Anomalies	-	3
CSCD 3036	(12340)	Language Impairments in Children III	-	2
CSCD 3049	(12347)	Audiological Management II	-	2
CSCD 3055	(12353)	Audiology II	4	-
CSCD 3056	(12354)	Communication Fieldwork III	4	-
CSCD 3057	(12355)	Communication Fieldwork IV	-	8*
CSCD 3058	(12356)	Auditory Perception and Processing	2	-
		Stage total (48 credit points in Year 3)	24	24

Honours Program

Year 3

As for Pass course

Year 4 (to be first offered in 2002)

CSCD 4039	(12445)	Honours Paper I	6	-
CSCD 4040	(12246)	Honours Paper II	-	6
CSCD 4041	(12447)	Honours Thesis	18	18
		Stage total (48 credit points in Year 4)	24	24

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

Clinical education and fieldwork

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

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

Dates

Year 2

Pre-Semester 1
Orientation, Wednesday to Friday 21-23 February
Semester 1
As arranged, 26 February to 23 June
Pre-Semester 2
Orientation, Wednesday to Friday 1-3 August
Semester 2
As arranged, 6 August to 30 November

Year 3

Pre-Semester 1
Orientation, Wednesday to Friday 21-23 February
Semester 1
As arranged, 26 February to 23 June
Inter-Semester
3 weeks 25 June to 13 July; 16 July to 3 August
OR 3 weeks December to February
Pre-Semester 2
Orientation, Wednesday to Friday 1-3 August
Semester 2
As arranged, 6 August to 30 November

Year 4

Pre-Semester 1 (only for students on-campus Semester 1)
Orientation, Wednesday to Friday 21-23 February
Semester 1 or 2
As arranged, 26 February to 23 June OR 6 August to 30 November
Pre-Semester 2 (only for students on-campus Semester 2)
Orientation, Wednesday to Friday 1-3 August
Semester 2 or 1
12 weeks, 26 February to 23 June OR 6 August to 30 November
Debriefing week for all year 4 students
5-9 November

Units of study

BACH 1026 Research Methods I: Design

Old code 2511F. 3 credit points
Dr Peter Choo
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

Textbooks
Handbook for Research Methods in Health Sciences. Minichiello, V. et al (Eds). (1999). Sydney: Addison-Wesley.

BACH 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points
Mr Alan Jones
Offered: Full year. **Prerequisite:** or Corequisite by permission. Research Methods I: Design BACH 1026 (2511F). **Classes:** Flexible learning. **Assessment:** Assignment/examination.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 1030 Introduction to Health Sociology

Old code 2511 J. 2 credit points
Mr Ian Andrews
Offered: February. **Prohibition:** Higher level units of Sociology. **Classes:** 2 hours on campus. **Assessment:** Assignment/examination.

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

Practical: N/A.

Textbooks
Selected Readings (reader)

BACH 1032 **Clients, Practitioners and Organizations**

Old code 2511L. 2 credit points
Dr Zakia Hossain
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1030 (2511J). **Classes:** 13 Lectures, 13 Seminars. **Assessment:** Final examination.

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

BACH 1092 **Introductory Psychology**

Old code 25175. 3 credit points
Ms Karen Pepper
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Essay, written examination.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Cognitive Psychology (3rd ed). (1995). Eysenck and Keane. Erlbaum.

BACH 1093 **Cognitive and Developmental Psychology**

Old code 25176. 5 credit points
Dr Lynne Harris
Offered: July. **Assumed knowledge:** Introductory Psychology.
Prohibition: Cognitive and Developmental Psychology BACH 1093 (25176), Disability Studies BACH 2036 (2521P). **Classes:** 4 hours/week. **Assessment:** 3 assignments, I final examination.
This unit provides an introduction to the logic, theory and methodology of cognitive psychology and extends the study of developmental psychology begun in Introductory Psychology to consider normal human development and developmental disability.

Practical: N/A.
Textbooks
Cognitive Psychology (3rd ed). Eysenck, M., Keane, Erlbaum, M. (1995).

BACH 1095 **Disorders and their Management**

Old code 25178. 4 credit points
Dr Liselotte Muhlen-Schult
Offered: July. **Prerequisite:** Introductory Psychology, Introductory Sociology, Research Methods 1 & 2. Classes: 16 Lectures, 10 Seminars. **Assessment:** Presentations in various weeks, final examination.

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

BACH 2109 **Cognitive Neuropsychology I**

Old code 25285. 5 credit points
Dr Steve Cummings
Offered: July. **Prerequisite:** (or corequisite by permission) Cognitive and Developmental Psychology BACH 1093 (25176). **Corequisite:** Nil. **Assumed knowledge: Nil. Classes:** On Campus 1 week 1-5,2 weeks 6-13. **Assessment:** Assignments and examination.
This unit extends the study of normal cognition begun in Cognitive and Developmental Psychology, introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive neuropsychological approach to understanding fundamental cognitive processes.
Textbooks
Cognitive Psychology. (3rd ed). Eysnck & Kerne. Psychology Press.

BACH 3055 **Cognitive Neuropsychology II**

Old code 25353. 3 credit points
Dr Lynn Harris
Offered: July. **Prerequisite:** (or corequisite) Cognitive Neuropsychology I BACH 2109 (25285). **Assessment:** Assignment and examination.

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

BACH 3056 **Patient Management: Theories and Applications**

Old code 25354. 5 credit points
Prerequisite: Introductory Psychology BEHS 1099 (101B5), Cognitive and Developmental Psychology BEHS 1100 (101B6), Disorders and their Management BEHS 1102 (101B8).
This unit examines the psychological needs of clients and their families in the context of speech pathology practice. Topics of study include detection of underlying anxiety, depression, conflict, and other psychological disorders. The client-practitioner relationship is considered, and students will acquire basic counselling skills that will enhance compliance and satisfaction with treatment. Students will apply behavioural therapies to the treatment of speech and language disorders, and diagnose and manage learning disabilities with special reference to reading delay, and to developmental and acquired reading disability in children and adults. Accurate diagnosis depends on the administration and interpretation of tests. Students will therefore develop skills in the critical evaluation of test theory and test construction, administration, and reliability and validity, with special reference to speech and language tests.

BACH 3057 **Social and Health Psychology**

Old code 25355. 4 credit points
Prerequisite: Introductory Psychology BEHS 1099 (101B5).
This unit focuses on psychological processes related to health care. Particular emphasis is given to stress, the effects of chronic illness and disability, and processes of social interaction in everyday and health care settings.

BIOS 1068 **Introductory Human Biology**

Old code 11176. 4 credit points
Dr Laurette Batmanian
Offered: February. **Classes:** On Campus 4 hours/week.
Assessment: Mid-Semester and Final Exams.
This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division, the principles of homeostasis, genetics and blood.
Textbooks
Anatomy and Physiology. (5th ed). Seeley, R.R., Stephens, T.D. and Tate, P. (2000). McGraw Hill, Boston.

BIOS 1070 **Introductory Neurobiology**

Old code 11178. 3 credit points
DrBulentTurman
Offered: February. **Corequisite:** Introductory Human Biology BIOS 1068 (11176). Classes: 28 hours. **Assessment:** Final Exam.
This unit introduces the student to the basic structure and function of the nervous system and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Fundamentals of Anatomy and Physiology. Martini, F.H.

BIOS 1071 **Neurobiology I**

Old code 11179.2 credit points
Dr Roslyn Bohringer
Offered: July.

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

BIOS 1116 **Speech Science I**

Old code 111C3.3 credit points
Dr Helen Ritchie
Offered: February. **Classes:** On Campus 3+. **Assessment:** Spot Test, Exam.

This unit of study aims to provide an understanding of the anatomy of speech mechanisms. It also includes the development of the embryo with special reference to the organs of speech. The unit of study includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, W.R.

BIOS 1117 **Speech Science II**

Old code 111C4.3 credit points
Dr Helen Ritchie
Offered: July. Corequisite: Hearing Science BIOS 1118 (111C5) Recommended background units of study Introductory Human Biology BIOS 1068 (11176), Speech Science I BIOS 1116 (111C3). Classes: On Campus 3+ hours/week. Assessment: Final Exam.
This unit of study aims to provide an understanding of the physics, and physiology of the speech mechanisms and the physics anatomy and physiology of the respiratory system. The unit of study includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, W.R.

BIOS 1118 **Hearing Science**

Old code 111C5.4 credit points
Dr Helen Ritchie
Offered: July. **Corequisite:** Speech Science II BIOS 1117 (111C4) Recommended background units of study Introductory Human Biology BIOS 1068 (11176), Speech Science I BIOS 1116 (111C3). **Classes:** On Campus 4+ hours/week. **Assessment:** Assignment, Final Exam.

This unit of study aims to provide an understanding of the physics, anatomy, and physiology of the hearing mechanism. Students will learn about pathologies of the ear, nose and throat and the medical management of some hearing disorders. The unit also includes the development of the ear and principles of abnormal embryonic development. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, WR.

BIOS 2062 **Neurobiology II for Communication Disorders**

Old code 112B3. 6 credit points
Dr. P. Sivanandasingham
Offered: July. **Prerequisite:** Neurobiology I BIOS 1071 (11179). Classes: On Campus/Off Campus 4 hours/week. **Assessment:** Final Exam.

This unit of study considers the anatomy and physiology of special sensory systems and the control and integration of somatic motor activity with special reference to communication. Higher functions of the nervous system and adaptive properties as well as recovery of the nervous system after injury are also examined. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems throughout the unit of study. This unit of study includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit of study.
Textbooks

1. Kandel., Schwatz. (1997). Principles of Neural Science (3rd ed). Elsevier Publishing.
2. The Human Brain. (4th ed). Noute, J. (1999). Mosby Co.

BIOS 3029 **Neurology for Communication Disorders**

Old code 11384.1 credit point
Dr Edward Hettiaratchi
Offered: February. **Prerequisite:** Neurobiology II for Communication Disorders BIOS 2062 (112B3). **Classes:** On Campus 14 hours (1 hour/week). **Assessment:** Final exam.

Symptomology produced by lesions in different areas of the cerebral hemispheres; neurology of communication disorders, dysphasia, and dysarthria and tumours of the central nervous system; epilepsy, infections of the CNS and common neurological disorders.
Textbooks
Neurology for the Non-Neurologist (4th ed). W.C. Wilderholt. (2000). WB Saunders.

CSCD1024 **Linguistics**

Old code 12124. 3 credit points
Ms Linda Hand
Offered: February.

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

CSCD1025 **Professional Development I: Introduction to Professional Learning**

Old code 12125.2 credit points
Offered: July.

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

CSCD1026 **Phonetics I**

Old code 12126.2 credit points
Ms Elise Baker
Offered: February.

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

CSCD 1028 **Normal Communication Development**

Old code 12128. 3 credit points
Offered: February.

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

CSCD 1029 **Articulation and Phonology**

Old code 12129.4 credit points
Ms Elise Baker
Offered: July.

Recommended background units of study: Linguistics CSCD 1024 (12124); Normal Communication Development CSCD 1028 (12128); Phonetics I CSCD 1026 (12126). Nature of phonological and articulatory disorders; techniques for the assessment, analysis, and intervention.

CSCD 2030 **Voice Science and Disorders**

Old code 12278.4 credit points
Offered: July. Prerequisite: (or corequisite by permission) Speech Science I BIOS 1116 (111C3) and II BIOS 1117 (111C4).
Current research on respiration and voice; instrumental procedures for measuring respiratory and vocal performance; nature of voice disorders; evaluation and management of individuals with a variety of phonatory disorders.

CSCD2035 **Phonetics II**

Old code 12283. 2 credit points
Dr Jan Van Doom
Offered: February. **Assumed knowledge:** Recommended background units of study: Phonetics I CSCD 1026 (12126); Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117 (111C4) and Hearing Science BI01118 (111C5).
A study of the relationship between articulatory phonetics, acoustic phonetics and speech perception. An introduction to phonetic applications in communication sciences and disorders.

CSCD 2040 **Audiologyl**

Old code 12288. 3 credit points
Dr Kerrie Lee
Offered: February. **Prerequisite:** (or corequisite by permission) Speech Science I BIOS 1116 (111C3); Speech Science II BIOS 1117 (111C4) and Hearing Science BIOS 1118 (111C5).
An introduction to types of deafness, pathologies of the ear and treatment; basic audiological tests and clinical procedures for evaluating hearing in children and adults; amplification for the hearing impaired.

CSCD 2041 **Language Impairments in Children I**

Old code 12289. 3 credit points
Ms Linda Hand
Offered: February. **Prerequisite:** (or corequisite by permission) Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).
Language impairments occurring in specific language impaired children. Principles and practices of language evaluation. Developing and carrying out intervention programs.

CSCD 2042 **Language Impairments in Children II**

Old code 12290. 3 credit points
Ms Linda Hand
Offered: July. Prerequisite: Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Language Impairments in Children I CSCD 2041 (12289).
Language impairments occurring in children at the preverbal stages of development and in primary school aged children and adolescents. Principles and practices of language evaluation in each population. Developing and carrying out language intervention programs.

CSCD 2043 **Stuttering**

Old code 12291. 3 credit points
Dr Michelle Lincoln
Offered: February.
Management strategies for children and adults who stutter. Consideration and critique of clinically relevant theories and research findings pertaining to the management of stuttering.

CSCD 2046 **Audiological Management I**

Old code 12294. 3 credit points
Dr Kerrie Lee
Offered: July.
Recommended background unit of study: Audiology I CSCD 2040 (12288).

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

CSCD 2047 **Speech and Language Impairments of Neurological Origin I**

Old code 12295. 3 credit points
Ms Christine Sheard
Offered: July.
Recommended background unit of study: Neurobiology II for Communication Disorders BIOS 2062 (112B3).

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

CSCD 2048 **Introductory Speech Pathology Clinical I**

Old code 12296.1 credit point
Dr Michelle Lincoln
Offered: February, July. Prerequisite: Professional Development I CSCD 1025 (12125), Articulation and Phonology CSCD 1029 (12129); Linguistics CSCD 1024 (12124), Phonetics I CSCD 1026 (12126), Normal Communication Development CSCD 1028 (12128).
Introduction to clinical work with child clients in the on-campus clinic. Students undertake structured observations of a client and serve as therapy aides to advanced students or clinical educators. Students also attend supervisory conferences with their clinical educators and other students. Student may begin to implement some therapy tasks.

CSCD 2049 **Introductory Speech Pathology Clinical II**

Old code 12297. 3 credit points
Dr Michelle Lincoln
Offered: February, July. **Prerequisite:** Introductory Speech Pathology Clinical I CSCD 2048 (12296), Stuttering CSCD 2043 (12291).
Students continue in the on-campus clinic, working with two or more child clients generally with articulation/phonological disorders or stuttering. Students also attend supervisory conferences with their clinical educators and other students.

CSCD 2051 **Professional Development IIA: Fieldwork and Clinical Skills**

Old code 12299. 3 credit points
Offered: February.
Students undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community, or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of their course. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent clinical practice.

CSCD 2052 **Professional Development IIB: Fieldwork and Clinical Skills**

Old code 122A0. 3 credit points
Offered: July. Prerequisite: Professional Development I: Introduction to Professional Learning CSCD 1025 (12125).
Students continue to undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community, or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of the their course. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent fieldwork or clinical practice, including data collection for workplace and clinical/fieldwork research purposes, with particular attention to single case research.

CSCD 2053 **Communication Fieldwork I**

Old code 122A1.1 credit point
Ms Alison Purcell
Offered: February, July. Prerequisite: Professional Development I CSCD 1025 (12125), Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Phonetics I CSCD 1026 (12126), Normal Communication Development CSCD 1028 (12128).
Introduction to work with individuals attending the on-campus speech and hearing clinic. Students undertake structured observations of a client. They observe aspects of client management and the management structure of the clinic, for example Intake and Speech Pathology and Audiology assessment clinic.

CSCD 2054 **Communication Fieldwork II**

Old code 122A2. 3 credit points
Ms Alison Purcell
Offered: February, July. **Prerequisite:** Communication Fieldwork I CSCD 2053 (122A1), Stuttering CSCD 2043 (12291).

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

CSCD 3023 Speech and Language Impairments of Neurological Origin II

Old code 12327.4 credit points
Ms Christine Sheard
Offered: February. **Assumed knowledge:** Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).

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

CSCD 3024 Communication Impairments in Special Populations

Old code 12328. 3 credit points
Dr Sue Balandin
Offered: February.

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

CSCD 3032 Professional Development III: Management Skills

Old code 12336.3 credit points
Offered: February. **Prerequisite:** or Corequisites by permission, Professional Development IIA: Clinical Skills CSCD 2051 (12299); Professional Development IIB: Clinical Skills CSCD 2052 (122A0); Introductory Speech Pathology Clinical I CSCD 2048 (12296) or Communication Fieldwork I CSCD 2053 (122A1). **Assumed knowledge:** Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297) or Communication Fieldwork II CSCD 2054 (122A2).

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

CSCD 3034 Craniofacial Anomalies

Old code 12338.3 credit points
Ms Alison Purcell
Offered: July. **Assumed knowledge:** Recommended background units of study: Voice Science and Disorders CSCD 2030 (12278) or Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117(111C4).

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

CSCD 3036 Language Impairments in Children III

Old code 12340.2 credit points
Ms Linda Hand
Offered: July. **Prerequisite:** Language Impairments in Children I CSCD 2041 (12289); Language Impairments in Children II CSCD 2042 (12290). **Assumed knowledge:** Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297).

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

CSCD 3037 Swallowing Impairments

Old code 12341. 2 credit points
Ms Christine Sheard
Offered: February. **Prerequisite:** (or corequisite by permission) Speech Science I BIOS 1116 (111C3); Speech Science II BIOS 1177 (111C4), Neurobiology II for Communication Disorders BIOS 2062(112B3).

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

CSCD 3038 Intermediate Speech Pathology Clinical I

Old code 12342.4 credit points
Dr Michelle Lincoln
Offered: February, July. Prerequisite: Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290), Audiology I CSCD 2040 (12288).
Students work with child and adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and otier students. Students are placed in the on-campus clinic for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

CSCD 3039 Intermediate Speech Pathology Clinical II

Old code 12343. 8 credit points
Dr Michelle Lincoln
Offered: February, July. **Prerequisite:** Intermediate Speech Pathology Clinical I CSCD 3038 (12342), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Neurology for Communication Disorders BIOS 3029 (11384), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Origin E CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341) and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

CSCD 3049 Audiological Management II

Old code 12347. 2 credit points
Ms Alison Purcell
Offered: July. **Prerequisite:** Audiology I CSCD 2040 (12288). **Assumed knowledge:** Recommended background units of study Articulation and Phonology CSCD 1029 (12129), Language Impairments in Children I CSCD 2041 (12289), Audiological Management I CSCD 2046 (12294).

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

CSCD 3050 Intermediate Speech Pathology Clinical III

Old code 12348.4 credit points
Dr Michelle Lincoln
Offered: February. Prerequisite: Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290), Audiology I CSCD 2040 (12288).
Students work with child and adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study.

Students may be rostered to complete parts of this unit during the intersemester breaks. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

CSCD 3051 Honours Research Seminar I: Literature Review

Old code 12349. 2 credit points
Dr Jan Van Doom
Offered: February.
This unit is designed to assist Honours students with a survey of the literature relevant to their individual research projects. At the completion of this unit each student will have prepared a written literature review for his/her research project.

CSCD 3052 Professional Development IIIII: Management Skills

Old code 12350.1 credit point
Offered: February. Prerequisite: or Corequisites by permission, Professional Development IIA: Fieldwork and Clinical Skills CSCD 2051 (12299); Professional Development IIB:Fieldworkand Clinical Skills CSCD 2052 (122A0); Introductory Speech Pathology Clinical I CSCD 2048 (12296) or Communication Fieldwork I CSCD 2053 (122A1). Assumed knowledge: Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297) or Communication Fieldwork II CSCD 2054 (122A2).
This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio, through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students who complete this unit may be deemed as having completed CSCD 3032 (12336) Professional Development III: Management Skills.

CSCD 3053 Intermediate Speech Pathology Clinical IIII

Old code 12351. 7 credit points
Dr Michelle Lincoln
Offered: July. **Prerequisite:** Intermediate Speech Pathology Clinical III CSCD 3050 (12348); Speech & Language Impairments of Neurological Origin II CSCD 3023.(12327); Neurology for Communication Disorders BIOS 3029 (11384), Swallowing Impairments CSCD 3037 (12341); Voice Science & Disorders CSCD 2030(12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study and may be rostered to complete some parts of this unit during the intersemester breaks. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Original E CSCD 3023 (12327) and Swallowing Impairments CSCD 3037 (12341) and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

CSCD 3054 Honours Research Seminar II: Research Proposal

Old code 12352. 1 credit point
Dr Jan Van Doom
Offered: July. **Prerequisite:** Honours Research Seminar I CSCD 3051 (12349). **Assumed knowledge:** Recommended background units of study: Research Methods I: Design BEHS 1129 (101E7) and Research Methods II: Data Analysis and Statistics BACH 1028 (2511H).

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

CSCD 3055 Audiology II

Old code 12353. 3 credit points
Dr Kerrie Lee
Offered: February. Prerequisite: Audiology I CSCD 2040 (12288).
Introduction to complex audiological assessment and intervention techniques for hearing-impaired adults and children.

CSCD 3056 Communication Fieldwork III

Old code 12354.4 credit points
Ms Alison Purcell
Offered: February.July. **Prerequisite:** Communication Fieldwork II CSCD 2054 (122A2), Language Impairments in Children II CSCD 2042 (12290), Audiology I CSCD 2040 (12288). **Corequisite:** Audiology II CSCD 3055 (12353).

Students work with children and adults and their caregivers, peers, and families or health, education and/or communication related agencies or organizations. Students are placed in the on-campus clinic or an off-campus site, e.g., school, clinic, hospital, child care facility. Students attend conferences with their on-site fieldwork supervisors and other students.

CSCD 3057 Communication Fieldwork IV

Old code 12355. 8 credit points
Ms Alison Purcell
Offered: February.July. Prerequisite: Communication Fieldwork III CSCD 3056 (12354), Audiological Management I CSCD 2046 (12294), Audiology II CSCD 3055 (12353).
Students assume increased responsibility for management of children and adults and their caregivers, peers, and families or in health, education and/or communication related agencies organizations. Students may be placed in the on-campus clinic for a portion of the unit. Students attend conferences with their on-site fieldwork supervisors. Students complete a four days per week, three-week block placement in an off-campus facility. This placement will occur either mid-year before Semester 2 or at the end of the year after Semester 2. Students must submit a satisfactory portfolio to be eligible for a pass in this unit.

CSCD 3058 Auditory Perception and Processing

Old code 12356. 2 credit points
Dr Kerrie Lee
Offered: February. **Prerequisite:** Hearing Science BIOS 1118, Neurobiology I BIOS 1071.
Development of auditory perception and perceptual capacities of the ear; theories of processing auditory information at both peripheral and central levels.

CSCD 4026 Advanced Topics A

Old code 12431. 6 credit points
Ms Christine Sheard
Offered: February.

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select a designated number of separate advanced topics from among those offered by relevant lecturers from areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each area topic undertaken.

CSCD 4027 Professional Development IVA: Advanced Issues

Old code 12432. 6 credit points
Offered: February. **Prerequisite:** Professional Development III: Management Skills CSCD 3032 (12336). **Assumed knowledge:** Recommended background unit of study Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343).

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues.

CSCD 4028 **Advanced Speech Pathology Clinical IA**

Old code 12433.10 credit points
Dr Michelle Lincoln
Offered: February. **Prerequisite:** Intermediate Speech Pathology Clinical II CSCD 3039 (12343).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic.

CSCD 4029 **Advanced Speech Pathology Clinical IIA**

Old code 12434. 24 credit points
Dr Michelle Lincoln
Offered: July. Prerequisite: Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other settings for four days per week for two, 6-week blocks each or one off-campus clinic, hospital, or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4030 **Advanced Topics B**

Old code 12435. 6 credit points
Ms Christine Sheard
Offered: July.

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select a designated number of separate advanced topics from among those offered by relevant lecturers from areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each area topic undertaken.

CSCD 4031 **Professional Development IVB: Advanced Issues**

Old code 12436. 6 credit points
Prerequisite: Professional Development 111: Management Skills CSCD 3032 (12336). Assumed knowledge: Recommended background unit of study Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343).
Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues.

CSCD 4032 **Advanced Speech Pathology Clinical IB**

Old code 12437. 10 credit points
Dr Michelle Lincoln
Offered: July. **Prerequisite:** Intermediate Speech Pathology Clinical II CSCD 3039 (12343).

Students manage a varied client caseload and participate in a variety of clinical management and clinical sendee activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4033 **Advanced Speech Pathology Clinical IIB**

Old code 12438. 24 credit points
Dr Michelle Lincoln
Offered: February. Prerequisite: Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other settings for four days per week for two, 6-week blocks each or one off-campus clinic, hospital, or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

CSCD 4035 **Advanced Speech Pathology Clinical III**

Old code 12440. 22 credit points
Dr Michelle Lincoln
Offered: February. Prerequisite: Intermediate Speech Pathology Clinical IIII CSCD 3053 (12351) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other setting for four days per week for two, 6-week blocks each or one off-campus clinic, hospital or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on regular basis.

CSCD 4036 **Professional Development IVH: Advanced Issues**

Old code 12441. 2 credit points
Offered: July. **Prerequisite:** Professional Development IIIII: Management Skills CSCD 3052 (12350).

Students enrolled in this unit of study will attend seminars and other activities related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural health issues. Students who complete this unit may be deemed to have completed CSCD 4027 (12432) Professional Development IVA or CSCD 4031 (12436) Professional Development IVB.

CSCD 4037 **Advanced Speech Pathology Clinical IIII**

Old code 12442.12 credit points
Dr Michelle Lincoln
Prerequisite: Intermediate Speech Pathology Clincial IIII CSCD 3053 (12351).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation, accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4038 **Honours Thesis**

Old code 12443.10 credit points
Dr Sue Balandin
Prerequisite: Honours Research Seminar I: Literature Review CSCD 3040 (12349); Honours Research Seminar II: Research Proposal CSCD 3054 (12352); satisfactory performance in all Year 3 units of study.

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of human communication sciences or disorders. As part of this and the other Honours units, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

CSCD 4042 Clinical Mentoring A

Old code 12448. 2 credit points
Dr Michelle Lincoln
Offered: February. Prerequisite: or Corequisite: Advanced Speech Pathology Clinical IACSCD 4028 (12433) or Advanced Speech Pathology Clinical IB CSCD 4032 (12437).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facihtating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

CSCD 4043 Clinical Mentoring B

Old code 12249. 2 credit points
Dr Michelle Lincoln
Offered: July. Prerequisite: or Corequisite: Advanced Speech Pathology Clinical IACSCD 4028 (12433) or Advanced Speech Pathology Clinical IB CSCD 4032 (12437).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facihtating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

CSCD 4044 Clinical Mentoring H

Old code 12450.2 credit points
Dr Michelle Lincoln
Offered: July. Prerequisite: or Corequisite: Advanced Speech Pathology Clinical IIII CSCD 4037 (12442).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facihtating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

CHAPTER 9

School of Exercise and Sport Science

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

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

Information about the School and its courses of study can be obtained from the Faculty of Health Sciences Student Administration Services (Cumberland), (02) 9351 9161 or from the School of Exercise and Sport Science, (02) 9351 9612.

Bachelor of Applied Science (Exercise and Sport Science)

An exercise and sport scientist applies a comprehensive understanding of the scientific principles of human movement to the effective design, management and evaluation of exercise interventions (and related lifestyle factors) in the areas of sport and health. These principles may be applied to facilitate recovery from injury, to maximise performance or to generally increase the quality of life of the individual within the person's work, sport, recreation or leisure environments.

Admission requirements

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

Course outline

The course outline for the Bachelor of Applied Science (Exercise and Sport Science) is presented in Table 9.1.

Professional experience

You must complete 100 hrs of approved professional experience (Practicum) by semester 2, year 3.

Professional recognition

Professional membership of the Australian Association of Exercise & Sport Science.

Honours program

Entry into the Honours Program is at the end of Third Year and eligibility for admission is based on performance during years 1, 2 and 3 of the course. Selection of students is competitive and based on academic record and research interests. Criteria for admission is based on Weighted Average Mark (WAM). WAM is calculated with weighting for both year and credit point values.

For further information specific to the Exercise and Sport Science Honours Program, students are advised to contact Lyndall Burke, phone (02) 9351 9612.

Table 9.1: Bachelor of Applied Science (Exercise and Sport Science)

Course code	Mode of offer
2209	Pass Course; Full-time, 3 years
2210	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass Course				
Year 1				
BACH 1102	(25185)	Psychosocial Aspects of Recreation and Sport	5	-
BIOS 1079	(11187)	Molecules, Food and Energy	5	-
BIOS 1108	(111B7)	Body Structure, Homeostasis and Movement I	4	-
BIOS 1109	(111B8)	Body Structure, Homeostasis and Movement II	-	5
EXSS 1001	(22101)	Mechanisms of Movement	4	-
EXSS 1002	(22102)	Muscle Mechanics	-	5
EXSS 1012	(22112)	Quantitative Biomechanics	-	5
EXSS 1013	(22113)	Fundamentals of Exercise Science	-	6
		Selected Studies[1] (3 x 3 credit points)[2]	6	3
		Stage total (48 credit points for Year 1)	24	24
Year 2				
BACH 2116	(25292)	Behaviour Modification and Exercise Adherence	4	-
BIOS 2073	(112C5)	Kinesiology and Applied Anatomy	5	-
EXSS 2001	(22201)	Growth, Development and Ageing	-	5
EXSS 2003	(22203)	Biochemistry of Exercise	5	-
EXSS 2007	(22207)	Nutrition and Sport Performance	-	4
EXSS 2010	(22210)	Mechanisms of Injury	-	5
EXSS 2011	(22211)	Motor Control and Learning I	5	-
EXSS 2012	(22212)	Motor Control and Learning II	-	5
EXSS 2013	(22213)	Exercise Physiology I	5	-
EXSS 2014	(22214)	Exercise Physiology II	-	5
		Stage total (48 credit points for Year 2)	24	24
Year 3				
EXSS 3001	(22301)	Exercise Physiology III	5	-
EXSS 3006	(22306)	Research Methods and Professional Practice[3]	-	5
EXSS 3010	(22310)	Exercise Testing and Prescription I	5	-
EXSS 3011	(22311)	Exercise Testing and Prescription II	-	5
EXSS 3012	(22312)	Sports Biomechanics I	5	-
EXSS 3013	(22313)	Sports Biomechanics II	-	5
EXSS 3014	(22314)	Exercise and Rehabilitation I	5	-
EXSS 3015	(22315)	Exercise and Rehabilitation II	-	5
		2 Electives[4] (4 credit points each)	4	4
		Stage total (48 credit points for Year 3)	24	24
Honours program				
Year 4				
EXSS 4002	(22402)	Honours Thesis	24	24
Electives Year 3 (4 credit points each)[1]:[4]				
BIOS 3049	(113A2)	Hormones, Metabolism and Exercise		
BACH 3063	(25361)	Sociology and Psychology of Organisations		
EXSS 3004	(22304)	Ergonomics		
EXSS 3007	(22307)	Readings and Conference		
EXSS 3016	(22316)	Sport Pharmacology		
EXSS 3018	(22318)	Management, Marketing and the Law		
Selected Studies[1]-[2]				
BIOS 1094	(111 A3)	Fundamental Computer Skills	3	-
BIOS 1095	(111A4)	Data Management and Presentation	-	3
EXSS 1005	(22105)	Sport First Aid/Trainer	3	-
EXSS 1007	(22107)	Health Centre Management	-	3
EXSS 1008	(22108)	Sport Coaching	3	-
EXSS 1011	(22111)	Performance Analysis	-	3

Notes

1. The offering of any one of these elective units of study and selected studies will depend on sufficient student demand.
2. To fulfil the requirements of the course students are required to complete a total of three of the selected studies.
3. The requirement of Professional Practice is only compulsory for students enrolling from 2000.
4. To fulfil the requirements of the course students are required to complete a total of two of the elective units of study.

Units of study

BACH 1102 Psychosocial Aspects of Recreation and Sport

Old code 25185.5 credit points
Offered: February.

The psychology module covers the principles of psychology and applications of psychology to the sporting context. Topics will include achievement motivation, social relations, group interactions, sport related social phenomena, and the psychological benefits of exercise. The sociology module examines the historical origins and contemporary expression of sport and leisure as a dominant aspect of culture; the sources of tensions and conflicts in sport and leisure which are related to class ethnicity, gender and age; the role and expression of ideology in sport and leisure contexts; and the use of appropriate theoretical paradigms and methodologies for posing and analysing sociological research questions in the area of sport and leisure.

BACH 2116 Behaviour Modification and Exercise Adherence

Old code 25292.4 credit points
Mr Justine Stynes
Offered: February. Prerequisite: Psychosocial Aspects of Sport and Recreation BACH 1102 (25185). Classes: On Campus.
Assessment: Assignment and examination.

The general aim of this unit is to introduce students to the theoretical underpinnings and practical application of behaviour modification techniques, and to psychological approaches to exercise adherence. By exposure to both lectures and seminar sessions, students will obtain the knowledge base to enable them to apply behaviour modification techniques to exercise adherence.

Textbooks

Book of readings

BACH 3063 Sociology and Psychology of Organisations

Old code 25361.4 credit points
Dr Barbara Adamson
Offered: February. **Classes:** On Campus 3 hours/week.
Assessment: Continuous assessment.

There are two modules in this unit. The sociology component will examine the sociology of organisations, including industrial relations, health policy, services and politics, and social change within this context. The psychology component will examine fundamental areas in the psychology of work, and the main psychological approaches to understanding work behaviour. Students will develop an appreciation of their own work behaviour and those of others in an organisational setting.

Practical: Fieldwork - 9 hours.

Textbooks

Manual with key reference material and references

BIOS 1079 Molecules, Food and Energy

Old code 11187. 5 credit points
Dr Fazlul Huq
Offered: February. Assumed knowledge: HSC Chemistry.
Assessment: Mid-Semester, Final Exam. Practical Assignments.

This unit provides students with a fundamental understanding of the nature of specific biologically important molecules, and their reactions. Students learn how energy is transferred from fuels in order to allow energy-consuming processes, such as exercise, to proceed. This is developed through topics such as the nature of chemical bonds, factors governing rates of chemical reaction (including the role of enzymes) and the structure of carbohydrates, fats, and proteins and their metabolism. Additional topics include exploration of concepts of acids and bases, the role of haemoglobin in oxygen transport, an introduction to the function of vitamins and hormones, and the processes involved in protein synthesis and breakdown.

Textbooks

Bettelheim, Brown, March. Introduction to General, Organic and Biochemistry.

BIOS 1094 Fundamental Computer Skills

Old code 111 A3. 3 credit points
Mr Alan Freeman
Offered: February. **Classes:** On Campus 26 hours. **Assessment:** Two Assignments.

In this unit the student is introduced to the microcomputer, and its basic operating principles and the accompanying operating environment software. In addition, an overview of the operation of the major software packages that would be of use to the practising sport scientist is given.

BIOS 1095 Data Management and Presentation

Old code 111A4. 3 credit points
Mr Ian Cathers
Offered: July. **Classes:** On Campus 26 hours. **Assessment:** Two Assignments.

This unit gives students the knowledge and skills to be able to store and manage experimental and other data using the microcomputer, to use microcomputer tools to present data and reports in an effective way, and to understand the use of computers in communications at a local, national and international level.

BIOS 1108 Body Structure, Homeostasis and Movement I

Old code 111B7. 4 credit points
Dr Pat Woodman
Offered: February. Classes: 5 hours/week. Assessment: Exam.

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adapting to and maintaining a homeostatic balance in response to the environment, particularly during exercise. This will include an introduction to the major systems of the body including: musculoskeletal and nervous systems. The unit includes laboratory classes which incorporate study from human cadavers where appropriate. Attendance at such classes is a requirement for this unit.

Textbooks

1. Fundamentals of Anatomy and Physiology. (4th ed). Martini, F. (1998). Prentice Hall.
2. Stedman's Census Medical and Allied Health
3. Dictionary. Ed. Dirckx, J.H. (1997).

BIOS 1109 Body Structure, Homeostasis and Movement II

Old code 111B8. 5 credit points
Dr Pat Woodman
Offered: July. Classes: 5 hours/week. Assessment: Exam.

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adapting to and maintaining a homeostatic balance in response to the environment, particularly during exercise. This will include an introduction to the major systems of the body including the autonomic nervous system, the cardiovascular, respiratory, digestive, renal, reproductive and endocrine systems. The unit includes laboratory classes which incorporate study from human cadavers where appropriate. Attendance at such classes is a requirement for *this* unit.

Textbooks

1. Fundamentals of Anatomy and Physiology. (4th ed). Martini, F. (1998). Prentice Hall.
2. Stedman's Census Medical and Allied Health
3. Dictionary. Ed. Dirckx, J.H. (1997).
2. Stedman's Census Medical and Allied Health

BIOS 2073 Kinesiology and Applied Anatomy

Old code 112C5. 5 credit points
Ms Jan Douglas Morris
Offered: February. **Prerequisite:** Mechanisms of Movement EXSS 1001 (22101), Body Structure, Homeostasis and Movement I BIOS 1108(111B7).

This course aims to provide students with an in depth understanding of the skeleton, articulations and the muscles of the body. Emphasis will be placed on the functional and applied aspects of the musculoskeletal system and how they interact during human movement.

BIOS 3049 Hormones, Metabolism and Exercise

Old code 113A2. 4 credit points
Dr Margaret Bermingham
Offered: July. Prerequisite: Biochemistry of Exercise EXSS 2003 (22203), Exercise Physiology I EXSS 2013 (22213). Assessment: Student Seminars, Mid-Semester Exam, End-Semester Exam.
This unit examines the structure and function of hormones, the regulation and response of hormones to exercise and the role hormones play in the exercise response. Particular attention is given to the role and response of hormones with respect to the specificity of exercise, environmental stress, training and clinical states such as diabetes, amenorrhoea and osteoporosis.

EXSS 1001 Mechanisms of Movement

Old code 22101. 4 credit points
Mr Peter Sinclair
Offered: February. **Classes:** On Campus 4 hours/week.
Assessment: Assignments and examinations.
This unit aims to develop an appreciation of how mechanical principles can be applied to understand the underlying causes of human movement. Through both lecture and practical sessions, students will become aware of the possibility to optimise human physical performance by applying these principles.
Textbooks
Mechanics of Sport. Carr, G.

EXSS 1002 Muscle Mechanics

Old code 22102. 5 credit points
MrTomGwinn
Offered: July. Prerequisite: Body Structure, Homeostasis and Movement I BIOS 1108 (111B7). Corequisite: Body Structure, Homeostasis and Movement II BIOS 1109 (111B8).
This unit provides students with an in-depth understanding of skeletal muscle as a 'machine' which generates force and exchanges power with other systems. The unit covers the microscopic structure of muscle and the molecular basis of force production and regulation. The output characteristics of muscle is described, and the effect of changes in the operating environment of muscle (such as length, velocity, stretch, stimulation patterns, etc) will be explored, including implications for maximising performance. Practical sessions introduces students to a large range of technology used in the fitness and health industries, including the use of electromyography (EMG) for the description of patterns of muscle use during human movement.

EXSS 1005 Sport First Aid/Trainer

Old code 22105. 3 credit points
Dr Margaret Torode
Offered: February. Assessment: Continuous.
This unit aims to provide students with appropriate skills and training for the effective initial management of sport injury situations. On completion of the unit students will be able to execute immediate first aid care with particular attention to extreme environments, soft tissue injuries and demonstrate a sound understanding of communicable diseases and their precautions. Principles and practices for the role of the Sports Trainer in relation to specific injury management, will be explored.

EXSS 1007 Health Centre Management

Old code 22107. 3 credit points
Offered: July.
This unit offers students the basic management and marketing tools necessary for effective health centre management. On completion of this unit students will be able to understand consumer behaviour, implement marketing principles, and implement effective accounting principles.

EXSS 1008 Sport Coaching

Old code 22108. 3 credit points
Dr Nick Linthorne
Offered: February. **Classes:** On Campus 1-2 hours/week.
Assessment: Final examination.
This unit introduces students to a range of issues involved in coaching individuals and team sports, children, the disabled and elite athletes. An integrated approach to the basic principles and practice of sports coaching is presented. On completion of this unit the student will be able to develop an effective sport coaching program with an understanding of the fundamental requirements for skill acquisition, physical conditioning and peak performance.
Textbooks
1) Better Coaching: Advance Coach's Mannual. Pyke, F.S. (Editor) (1991). ACC.
2) Review questions and additional readings

EXSS 1011 Performance Analysis

Old code 22111. 3 credit points
Offered: July.
This unit will include knowledge of video recording systems, use of measuring instruments, collecting and analysing data, estimating errors, principles of performance analysis and reporting. This knowledge will be applied in the generation of the student's own video and analysis. For the most part, this unit will be practical application using facilities available at the University.

EXSS 1012 Quantitative Biomechanics

Old code 22112. 5 credit points
Dr Nick Linthorne
Offered: July. **Prerequisite:** Mechanisms of Movement EXSS 1001 (22101). **Assumed knowledge:** 2 unit mathematics. **Classes:** On Campus 3-4 hours/week. **Assessment:** Final examination, laboratory report.
This unit reinforces the understanding of mechanical principles and their application to human movement. Topics include: kinematics, vectors, Newton's laws of motion, work, energy, power, and momentum; for both translational and rotational motion; and the influence of fluids on motion. Emphasis is placed on developing mathematical skills and analytical problem-solving techniques. The laboratory classes complement the lectures; providing opportunities to validate mechanical principles in a quantitative manner.
Practical: 12 hours laboratory.
Textbooks
1) Fundamentals of Physics. (6th ed). Halliday, Resnick & Walker, Wiley, J. (2000).
2) Lecture notes, problem sets and solutions, laboratory mannual

EXSS 1013 Fundamentals of Exercise Science

Old code 22113. 6 credit points
Ms Rhonda Orr
Offered: July.
This unit provides students with the fundamental principles and practices of exercise science, which comprises fitness assessment and exercise prescription for cardiorespiratory endurance, high resistance training and flexibility. The unit examines the rationale for fitness assessments of the general population, children and the elderly, as well as provide the skills to safely and competently perform the appropriate laboratory and field tests for each fitness component. In addition, this unit explores the fundamentals of exercise programming for the general population with an emphasis towards developing aerobic fitness, muscular strength and body fat reduction. On completion of this unit the student will gain an understanding of the major principles and the underlying physiological basis of fitness testing and be able to structure an effective exercise program, to achieve enhanced physical performance without incurring injury.

EXSS 2001 Growth, Development and Ageing

Old code 22201. 5 credit points
Dr Margaret Torode
Offered: July. **Assessment:** Continuous.
This course aims to provide students with an understanding of growth, development and ageing of the human from prenatal until elderly, with particular reference to the effect on physical performance. Motor skill development and physical performance will be examined and related to morphology and stages of growth. The relationship between biological measurements, growth, gender and chronology will be explored.

EXSS 2003 Biochemistry of Exercise

Old code 22203.5 credit points
Ms Helen O'Connor
Offered: February. **Prerequisite:** Molecules, Food and Energy BIOS 1079(11187).

This unit investigates strategies of energy balance in exercising skeletal muscle: after examining the structure of the ATP producing pathways, their kinetic characteristics will be contrasted in terms of rates of maximum flux and flux capacity. The differential regulation of oxidative phosphorylation, glycolysis and of the creatine kinase reaction, by signals representing exercise intensity and duration will be examined in depth. Specific sporting examples of high power output (sprinting) and long duration (endurance) activities will be discussed. The processes of fuel mobilisation during exercise and storage during non-exercise periods will be discussed.

EXSS 2007 Nutrition and Sports Performance

Old code 22207. 4 credit points
Ms Helen O'Connor
Offered: July. **Prerequisite:** Biochemistry of Exercise EXSS 2003 (22203).

This unit aims to provide students with an understanding of the principles and practice of nutrition applied to sports performance. The unit will focus on the role of carbohydrates, proteins and lipids in energy metabolism during exercise, the role of macro and micronutrients in health and the effects of eating disorders and dietary deficiencies in athletes.

EXSS 2010 Mechanisms of Injury

Old code 22210. 5 credit points
Offered: July. **Prerequisite:** Body Structure, Homeostasis and Movement I BIOS 1108 (111B7).

This unit provides students with an understanding of the structure of tissues such as ligament, tendon, cartilage and bone, and physical processes whereby the structure of these tissues are disrupted by mechanical trauma. In addition the biological response of these tissues to injury is explored (ie. the processes of inflammation and healing) as well as their adaptations to levels of chronic loading such as immobilisation and exercise. The unit addresses how forces are transmitted through specific regions of the body, such as the knee joint, and how sport practices may modify the likelihood of injury.

EXSS 2011 Motor Control and Learning I

Old code 22211. 5 credit points
Dr Margaret Torode
Offered: February. Prerequisite: Body Structure, Homeostasis and Movement I BIOS 1108 (111B7). Assessment: Continuous.

This unit will examine the nature and cause of movement and the maintenance of posture and balance. Models will be developed which emphasise the control of movement as an interaction between the nervous system, skeletal muscle and the environment. The unit integrates the mechanical models of movement presented in previous units with biological models to produce a more complete description of the motor system.

EXSS 2012 Motor Control and Learning II

Old code 22212. 5 credit points
Dr Margaret Torode
Offered: July. **Prerequisite:** Motor Control and Learning I EXSS 2011 (22211). **Assessment:** Continuous.

This course provides a detailed introduction to the concepts of motor learning. Within each topic selected, the relevant theories and research studies are examined, not only with a view to producing understanding of the material, but also in order to encourage critical thinking and an appreciation of the successes and limitations of current knowledge. Most importantly, this course will focus on the practical implications of the concepts covered, thereby enabling students to apply the principles of skilled performance and learning in teaching, coaching and rehabilitation.

EXSS 2013 Exercise Physiology I

Old code 22213. 5 credit points
Dr Chin Moi Chow
Offered: February. **Prerequisite:** Fundamentals of Exercise Science EXSS 1013 (22113).

The content of this unit builds on the principles and information provided in the first year of the program to introduce the student to the exercise response. An integrative approach to the processes associated with physical work capacity and the response of the cardiorespiratory system to the stresses imposed by exercise will be presented.

EXSS 2014 Exercise Physiology II

Old code 22214. 5 credit points
Dr Chin Moi Chow
Offered: July. Prerequisite: Exercise Physiology I EXSS 2013 (22213), Biochemistry of Exercise EXSS 2003 (22203).

This unit introduces the acid-base regulatory system and the concept of anaerobic and lactate threshold. The unit will examine how the respiratory, cardiovascular and skeletal systems cope with heavy exercise and stressful environments of heat, cold, high altitude and air pollution. The effects of shift work and jet-lag on exercise, and the relationship between exercise and sleep will be discussed.

EXSS 3001 Exercise Physiology III

Old code 22301. 5 credit points
Offered: February. **Prerequisite:** Exercise Physiology II EXSS 2014 (22214). **Corequisite:** Exercise Testing and Prescription I EXSS 3010(22310).

This unit aims to provide the student with an understanding of the integrated response to exercise training, including the immune and endocrine adaptations. The unit will examine topical issues concerning health promotion and performance enhancement in detail.

EXSS 3004 Ergonomics

Old code 22304.4 credit points
Offered: July. **Prerequisite:** Sports Biomechanics I EXSS 3012 (22312), Kinesiology and Applied Anatomy BIOS 2073 (112C5). **Corequisite:** Sports Biomechanics II EXSS 3013 (22313). **Classes:** On Campus 2-4 hours/week. **Assessment:** Mid semester and Final exam.

Concepts of biomechanics will be applied to the response of the human body to physical tasks. The biomechanics of specific regions, including lower limb, lumbar spine and upper limb, and the effect of their biomechanics on common physical tasks win be investigated.

Textbooks

Introduction to Ergonomics. Bridger, R.S. (1995). McGraw-Hill: New York

EXSS 3006 Research Methods and Professional Practice

Old code 22306. 5 credit points
Dr Richard Smith
Offered: July.

This aim of this unit is to explore avenues for applying the scientific processes which have been expounded in the Exercise and Sport Science program. The processes include critical review of research, scientific writing, proposing research, professional reasoning, grant writing, presentation skills, research design and using statistics. These will be applied to professional occupations in exercise and sport science including management of exercise programs through to academic research. Activities and assessment will focus on practical applications to the professions (including the 100 hours professional experience).

EXSS 3007 Readings and Conference

Old code 22307.4 credit points
Offered: Full year.

This unit is designed to meet the individual requirements of students who demonstrate an interest and capacity to undertake in depth self-directed learning (with supervision) in a major research area in the School of Exercise and Sport Science. Such students identified for tMs unit will be of a calibre to proceed to the Honours program.

EXSS 3010 Exercise Testing and Prescription I

Old code 22310. 5 credit points

Offered: February. **Prerequisite:** Exercise Physiology II EXSS 2014 (22214). **Corequisite:** Exercise Physiology III EXSS 3001 (22301).

This unit aims to provide the student with a thorough knowledge of exercise testing in a variety of sporting, health, and vocational settings. The unit will extend the principles of exercise physiology to exercise prescription without repeating the underlying exercise physiology theory.

EXSS 3011 Exercise Testing and Prescription II

Old code 22311. 5 credit points

Dr Nick Linthorne

Offered: July. **Prerequisite:** Exercise Testing and Prescription I EXSS 3010 (22310). **Classes:** On Campus 3 hours/week. **Assessment:** Final examination.

This unit will give the student the opportunity, as part of a small group, to practically apply the knowledge gained in Exercise Testing and Prescription I and Exercise Physiology I & II to a specific group of individuals (eg. athletes or healthy individuals). This will involve devising, planning and carrying out of suitable exercise programs. Students will evaluate the outcomes of the exercise prescription program.

Textbooks

Lecture notes and review questions

EXSS 3012 Sports Biomechanics I

Old code 22312. 5 credit points

Dr Nick Linthmorne

Offered: February. **Prerequisite:** Quantitative Biomechanics EXSS 1012 (22112). **Classes:** On Campus 2-4 hours/week. **Assessment:** Group assignment, final examination.

This unit emphasises practical experience in techniques for analysing human movement. The mechanical principles introduced in Quantitative Biomechanics are expanded and applied to the analysis of sporting performance. The combination of technical expertise and theoretical principles will be used to quantitatively analyse movement, and to recommend methods of improving athletic performance or reducing the likelihood of injury.

Practical: 22 hours laboratory.

Textbooks

1) Introduction to Sports Biomechanics. Bartlett, R. (1997). E & FN Soon.

2) Lecture notes and problems, laboratory mannual

EXSS 3013 Sports Biomechanics II

Old code 22313. 5 credit points

Mr Peter Sinclair

Offered: July. **Prerequisite:** Sports Biomechanics I EXSS 3012 (22312). **Classes:** On Campus 4 hours/week. **Assessment:** Assignment and examination.

This unit introduces further techniques for analysing human movement, and their applications to the analysis of sporting performance. Specific analysis techniques such as computer modelling and differences between laboratory and field measurements will be explored. A number of sports will be selected as illustrations of biomechanics applied to the improvement of sports performance.

Practical: Practical assignment comprises most of this unit.

Textbooks

Introduction to Sports Biomechanics. Bartlet, R.

EXSS 3014 Exercise and Rehabilitation I

Old code 22314. 5 credit points

Dr John Brotherhood

Offered: February. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213). **Assessment:** Continuous.

This unit investigates the pathophysiology of selected diseases/ disorders (cardiorespiratory, endocrine and metabolic) and how the exercise response is effected. Practical aspects of the design, implementation and benefits of exercise programs for these conditions will be considered.

EXSS 3015 Exercise and Rehabilitation II

Old code 22315. 5 credit points

Dr John Brotherhood

Offered: July. **Prerequisite:** Exercise and Rehabilitation I EXSS 3014 (22314). **Assessment:** Continuous Assessment.

This unit will provide background about the pathophysiological processes resulting from selected diseases of cardiorespiratory system, and endocrinological and metabolic diseases, and explore how these process interfere with the exercise response. The unit will then detail practical aspects of the design and benefits of exercise programs for cardiorespiratory or metabolic disease.

EXSS 3016 Sport Pharmacology

Old code 22316.4 credit points

Ms Rhonda Orr

Offered: February. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213), Biochemistry of Exercise EXSS 2003 (22203).

This unit provides students with an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Special emphasis will be given to the effects of performance enhancement drugs, therapeutic drugs and recreational drugs on sport performance as well as the use of physiological ergogenic aids in sport. Procedures for drug testing in sport and methods used to avoid detection will also be considered.

EXSS 3018 Management, Marketing and the Law

Old code 22318.4 credit points

Offered: July.

This unit presents management practices and associated responsibilities in a format to allow students to demonstrate a practical and effective level of knowledge of the field of business management. Attention is given to the fundamentals of planning, organising, staffing and control within an organisation as well as the basics of financial and budgetary controls. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Marketing and public relations are introduced to augment the areas of program organisation for facility planning and operations.

EXSS 4002 Honours Thesis

Old code 22402. 48 credit points

Classes: No on campus classes, although workshop attendance is compulsory. **Assessment:** Continuous assessment and thesis examination.

In this unit the student undertakes a research project in an area of exercise and sport science. The student designs and implements an approved research project, and submits a thesis describing the project and its implications. In completing the research thesis, the student works closely with an academic staff member who serves as the supervisor.

CHAPTER 10

School of Health Information Management

The School of Health Information Management offers a Bachelor of Applied Science (Health Information Management) course and a Bachelor of Applied Science Honours (Health Information Management) course at undergraduate level. In addition, the School offers a number of comprehensive and specialist postgraduate programs in casemix, clinical date management, health informatics and health information management. The courses are designed to develop health information managers as key members of the health care team, responsible for the management of patient-related health information systems. These systems, both manual and automated, are designed for the capture, storage, analysis, retrieval, and release of information about patients and health services.

A Health Information Manager is responsible for the development, implementation, maintenance and administration of medical record and health information systems. A medical record is the key instrument for recording information about the professional care given to a patient. It contains clinical findings and observations about a patient's medical, surgical and social problems, providing essential information for:

- adequate and continuing patient care
- medical and other health professional education
- clinical research
- casemix information systems
- epidemiological studies and clinical trials
- quality assurance and peer review programs
- utilisation review of health services.

The Health Information Management Association of Australia officially represents the profession and promotes the continuing education of its members through regular seminars, workshops and conferences. All full-time Health Information Management students are eligible for student membership in the Association and upon satisfactory completion of the Bachelor of Applied Science (Health Information Management) are eligible for full membership.

Bachelor of Applied Science (Health Information Management)

The degree course in health information management has been designed to prepare specialists in the management of health information systems. The health information manager is required to analyse the information needs of a variety of users and design, plan and implement systems to meet these needs. The increasing complexity of communication between health professionals demands an efficient and effective information system to support patient management. Increasing health costs make it essential for health planners to have the necessary information to organise a health care delivery system which optimises the use of resources.

The medical record provides the patient data base on which the health information system is built. The medical record contains data relating to the patient's clinical problems as well as sociological data. The record can provide information for health care evaluation, research, statistics and education. Patients benefit directly when their record is used for future patient care or to protect their legal interests.

Full-time and part-time study

The Bachelor of Applied Science (Health Information Management) is structured as a full-time degree course offered over 3 years. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. The University offers an enrolment distinction between full-time and part-time students. Students enrolling part-time are those enrolled in a minimum of 6 and a maximum of 17 credit points per semester. Part-time students in Health Information Management are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 8 full units of study per academic year, except when a student has fewer than 8 units remaining to complete requirements for graduation
- Passing the equivalent of 12 units of study over any 2 academic year periods.

Only a limited number of places are available for part-time enrolment and students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for. Students requesting to enrol part-time should note that daytime attendance at lectures and practical placements is required for completion of the BAppSc (HIM) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment
  Maximum time: 10 years from the initial academic year of enrolment
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units offered in different years, that is units having different third digits in their codes - eg, HTMTxxx (092xx) and HTMTxxx (093xx), and plan sufficiendy well so they do not exceed the maximum time for course completion or they fail to meet 'unsatisfactory progress' requirements, as set out above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study: Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility of monitoring changes in curriculum which may affect their progression and for discussing these with the Course Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Health Information Management) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics and 2 unit English at HSClevel.

Course outline

The course outlines for the Bachelor of Applied Science (Health Information Management) Pass and Honours courses are presented in Table 10.1.

Honours program

For specific information related to the Health Information Management Honours Program, students are advised to contact the School of Health Information Management.

Students in the Honours Program complete all units in the Pass course except BACH 3070. In addition, students must complete BACH 4043 in third year and HIMT 4048/HIMT 4049 as the fourth year of study.

Table 10.1: Bachelor of Applied Science (Health Information Management)

Course code Mode of offer
0902 Pass Course; Full-time, 3 years
0913 Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1		Sem 2
Pass course					
Year 1					
BACH 1029	(25111)	Introduction to Health Sociology	3		-
BACH 1080	(25163)	Introduction to Psychology	-		3
BIOS 1104	(111B3)	Basic Human Biology IA	3		-
BIOS 1105	(111B4)	Basic Human Biology IB	-		3
HIMT 1017	(09117)	Clinical Classification I	: -		5
HIMT 1030	(09130)	Health Information Systems II	-		5
HIMT 1031	(09131)	Australian Health Care Systems	5		-
HIMT 1033	(09133)	Medical Terminology I	. 4		-
HIMT 1037	(09137)	Health Information Systems I	8		-
HIMT 1039	(09139)	Microcomputer Applications	4		-
HIMT 1042	(09142)	Professional Experience I	-	5[1]	+
		Stage total (48 credit points for Year 1)	27	5	16
Year 2					
BACH 1027	(2511G)	Research Methods I	3		-
BACH 1118	(2511R)	Research Methods II: Data Analysis and Statistics	-		3
BACH 2022	(2521B)	Psychology of Work and Management	-		3
BACH 2091	(25267)	Social Psychology	3		-
BIOS 2082	(112D7)	Basic Human Biology IIA	3		-
BIOS 2083	(112D8)	Basic Human Biology IIB	-		2
HIMT 2031	(09238)	Programming Logic and Design	3		-
HIMT 2036	(09243)	Medical Science I	-		3
HIMT 2039	(09246)	Professional Experience II	-	5[2]	+
HIMT 2042	(09249)	Database Systems	-		3
HIMT 2043	(09250)	Clinical Classification IIA	3		-
HIMT 2044	(09251)	Clinical Classification IIB	-		5
HIMT 2045	(09252)	Management Principles I	3		-
HIMT 2047	(09254)	Casemix Measurement Systems	-		3
HIMT 2048	(09255)	Health Informatics	3		-
		Stage total (48 credit points for Year 2)	21	5	22
Year 3					
BACH 3046	(25344)	Sociology of Work and Organisations	-		3
BACH 3070	(25368)	Health, Society and Social Change	3		
HIMT 3025	(09325)	Financial Management in Health Care	3		-
HIMT 3030	(09331)	Medical Science II	4		-
HIMT 3031	(09332)	Medical Science III	-		3
HIMT 3032	(09333)	Epidemiology	-		4
HIMT 3034	(09335)	Law and Health	-		4
HIMT 3041	(09342)	Human Resource Management	3		-
HIMT 3043	(09344)	Health Care Evaluation	-		3
HIMT 3044	(09345)	Management Principles II	4		-
HIMT 3048	(09349)	Professional Experience IIA	43		-
HIMT 3049	(09350)	Professional Experience IIIK	-	44	
HIMT 3050	(09351)	Clinical Classification IIIA	3		-
HIMT 3051	(09352)	Clinical Classification IIIB	-		3
		Stage total (48 credit points for Year 3)	4 20	4	20

Unit code	(old code)	Unit name	Sem 1		Sem 2	
Honours program						
Years 1 and 2						
As for Pass course						
Year 3						
BACH 3046	(25344)	Sociology of Work and Organisations		-		3
BACH 4043	(25442)	Intermediate Statistics		3		-
HIMT 3025	(09325)	Financial Management in Health Care		3		-
HIMT 3030	(09331)	Medical Science II		**4**		-
HIMT 3031	(09332)	Medical Science III		-		3
HIMT 3032	(09333)	Epidemiology		-		4
HIMT 3034	(09335)	Law and Health		-		4
HIMT 3041	(09342)	Human Resource Management		3		-
HIMT 3043	(09344)	Health Care Evaluation		-		3
HIMT 3044	(09345)	Management Principles II		4		-
HIMT 3048	(09349)	Professional Experience IIIA	4[3] -			-
HIMT 3049	(09350)	Professional Experience IIIB		-	44	
HIMT 3050	(09351)	Clinical Classification IIIA		3		-
HIMT 3051	(09352)	Clinical Classification IIIB		-		3
		Stage total (48 credit points for Year 3)	4	20	4	20
Year 4						
HIMT 4048	(09474)	Research Project Part A		21		-
HIMT 4049	(09475)	Research Project Part B		-		24
		Stage total (45 credit points for Year 4)		21		24

Notes to Table 10.1
1. 1 Week inter-semester placement
2. 3 Weeks inter-semester placement
3. 2 Weeks pre-semester 1 placement
4. 2 Weeks inter-semester placement

Professional experience

Professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW).

Uniforms

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

Clinical practice dates - Bachelor of Applied Science (Health Information Management)

Year 1
25-29 June or 2-6 July (1 week)
Year 2
16 July - 3 August (3 weeks)
Year 3
1. 29 January - 9 February (2 weeks), or 12-23 February (2 weeks); and
2. 23 July - 3 August (2 weeks)

Units of study

BACH **1027 Research Methods I**

Old code 2511G. 3 credit points
Dr Rob Heard
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 2 written examinations.

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

Handbook for Research Methods in Health Sciences. (1999). Minichiello, V. et al (Eds). Sydney: Addison-Wesley.

BACH 1029 **Introduction to Health Sociology**

Old code 25111/25111X. 3 credit points
Mr Ian Andrews
Offered: February. **Prohibition:** Higher level units of sociology.
Classes: On Campus 2 hours/week, Off Campus. **Assessment:** Assignment/examination.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Practical: N/A.
Textbooks
Selected readings (Reader)

BACH 1080 **Introduction to Psychology**

Old code 25163. 3 credit points
Ms Karen Pepper
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Essay, written examination.

This unit provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 1118 **Research Methods II: Data Analysis and Statistics**

Old code 2511R. 3 credit points
Offered: July. **Classes:** Flexible learning.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2022 **Psychology of Work and Management**

Old code 2521B. 3 credit points
Dr Barbara Adamson
Offered: July. **Prerequisite:** Social Psychology BACH 2091 (25267) or equivalent. **Classes:** 3 hours/week for 10 weeks. **Assessment:** Continuous.

This unit aims to bring behavioural science perspectives to the analysis of work, work behaviour and occupations as applied to health information management and includes work motivation, work satisfaction, work and the individual, the psychopafhology of work, work stress, technical change, work and leisure, redesigning work and managing change.
Practical: Field work.
Textbooks
Manual, key references

BACH 2091 **Social Psychology**

Old code 25267.3 credit points

This unit includes the study of social perception and attribution theory, social interaction, social influence, aggression and violence, group dynamics and leadership theories.

BACH 3046 **Sociology of Work and Organisations**

Old code 25344. 3 credit points
Dr Zakia Hossain
Offered: July. Prerequisite: Health, Society and Social Change BACH 3070 (25368). Classes: 13 lectures, 13 seminars.
Assessment: Assignments and examinations.
This unit further extends the applications of behavioural science to the work situation of the health information manager and includes a study of the occupational structure in industrial societies, career and occupational choice, the profession concept, professionalisation, professions in bureaucracy, the work situation, alienation and occupational socialisation. Also included is a study of organisations in society, sociological perspectives, social structural analysis, formalisation in organisations, hospitals and other organisations, sanctions and social control, professionals in organisations, social definition approaches, communication, disadvantaged and minority groups in organisations.
Textbooks
Book of readings

BACH 3070 **Health, Society and Social Change**

Old code 25368. 3 credit points
Mr Dennis McIntyre
Offered: February. **Prerequisite:** Introduction to Health Sociology BACH 1029. **Classes:** On Campus 2 hours/week. **Assessment:** Assignments and examination.

This unit examines the imapct of globalisation and individualisation on contemporary Australian society. Some of the issues treated in this examination are: classical theories of social change, contemporary approaches to social change, evaluating public and private models of health care delivery, health care policy, technical changes, demographic change, health care systems and progressive social movement, and the emergence of 'risk society'.
Textbooks
K. Macdonald (1999) Pressing Questions.
Selected Readings (Reader).

BACH 4043 **Intermediate Statistics**

Old code 25442. 3 credit points
Dr Peter Choo
Offered: Full year. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Methods 2 BACH 1118 (2511R), or equivalent. **Classes:** On Campus 3 hours/week. **Assessment:** Written assignments and examination.

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

BIOS 1104 **Basic Human Biology IA**

Old code 111B3. 3 credit points
Dr Ann Murphy
Offered: February. **Assessment:** Exams.

This unit presents an introduction to human biology, the histology of cells and basic tissues, and the anatomy and histology of the skeletal system, the joints and the skin. Principles of homeostasis and metabolism are also studied, as are the anatomy and physiology of the cardiovascular system. The aim is to introduce students to the structure and function of the human body, and to the medical terminology associated with the field. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

Textbooks

1. Fundamentals of Anatomy and Physiology (4th Ed.). Martini, E.H. (1998). Prentice Hall
2. Stedman's Concise Medical and Allied Health Dictionary. Illustrated. (3rd ed). Dirckx, J.H. (ed.) (1997).

BIOS 1105 **Basic Human Biology IB**

Old code 111B4. 3 credit points
Dr Ann Murphy
Offered: July. **Assessment:** Exams.

This unit presents the anatomy and physiology of the respiratory, renal, reproductive and endocrine systems. Principles of genetics are also introduced. The aim is to expand students' understanding of the structure and function of the human body and associated medical terminology. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

Textbooks

1. Fundamentals of Anatomy and Physiology (4th Ed.). Martini, F.H. (1998). Prentice Hall
2. Stedman's Concise Medical and Allied Health Dictionary. (1997). Dirckx, J.H. (ed.) Illustrated. (3rd ed).

BIOS 2082 **Basic Human Biology IIA**

Old code 112D7. 3 credit points
Dr Elizabeth Hegedus
Offered: February. Prerequisite: Basic Human Biology IA BIOS 1104 (111B3), Basic Human Biology IB BIOS 1105 (111B4).

This unit presents musculoskeletal anatomy, the neuroanatomy and neurophysiology of the central and peripheral nervous systems, and the anatomy and physiology of the visual, auditory and vestibular systems. An introduction to haematology assists students in their understanding of disease processes. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.

BIOS 2083 **Basic Human Biology IIB**

Old code 112D8.2 credit points
Dr Elizabeth Hegedus
Offered: July. Prerequisite: Basic Human Biology IA BIOS 1104 (111B3), Basic Human Biology IB BIOS 1105 (111B4).

This unit covers the anatomy and physiology of the digestive system and introduces students to principles of microbiology, immunology and infection control. The unit continues to build upon students' understanding of disease processes and the associated medical terminology. Laboratory classes at which human cadavers are studied from part of this unit. Attendance at such classes is required.

HIMT1017 **Clinical Classification I**

Old code 09117. 5 credit points
Ms Vera Dimitropoulos
Offered: July. **Classes:** 3-4 hours per week on campus.
Assessment: Continuous assessment.

This unit introduces the student to the classification of diseases and procedures in medicine. It incorporates an overview of the historical development of clinical classification systems as well as the purpose and value of classification systems. The major emphasis is on a detailed study of the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM). Other topics include disease and operation indexing, the NSW Health Department's Inpatient Statistics Collection and NSW Maternal and Perinatal Collection.

Practical: Students will undertake practical exercises through tutorials and independent learning.

Textbooks

National Center for Classification in Health. (2nd ed). Vols 1-5. The International Classification of Diseases and Related Health Problems (2000), 10th revision, Australian Modification. Lidcombe: NCCH.

HIMT 1030 **Health Information Systems II**

Old code 09130. 5 credit points
Offered: July. Prerequisite: Health Information Systems I HIMT 1037 (09133). Classes: Day classes, attendence required.
Assessment: Continuous assessment/examination.

In this unit students extend their study of health information systems by focusing on the collection, analysis and reporting of health data. This will include the current systems used to collect and report data to government departments and other authorities. Forms design principles and forms management will also be covered. Professional issues will be covered through discussion of current literature in the field of health information management.

HIMT 1031 **Australian Health Care Systems**

Old code 09131. 5 credit points
Ms Johanna Westbrook
Offered: February. Classes: Attendence required. Day Classes.
Assessment: Continuous assessment/examination.

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.

Textbooks

Healthy Medicine: Challenges Facing Australia's Health Services. Leeder, S.R. (1999). Sydney: Allen and Unwin

HIMT 1033 **Medical Terminology I**

Old code 09133. 4 credit points
Offered: February. **Classes:** Attendence required Daytime Classes.
Assessment: Assignment/examination.

This unit is designed to introduce students to the language necessary to understand the information contained in the medical record. Students study the basic concepts of medical terminology including the history and development of the medical language, roots, suffixes, prefixes, combining vowels and forms, medical, surgical and investigatory abbreviations relating to the body systems. Also included is the study of lay terms, eponyms, homonyms, medical and surgical specialists departments, and the use of a medical dictionary and MDvIS.

Textbooks

1. Mosby's Medical, Nursing, and Allied Health Dictionary. Anderson, K.N., Anderson, L.E., & Glanze, W.D. (1994).
2. The Language of Medicine. (5th ed). Chabner, D.E. (1996). Philadelphia: W.B. Saunders Co.

or

3. Steadmans Concise Medical Dictionary for the Health Professions. Dirckx, J.H. (1997). Ohio: Williams and Wilkins.

HIMT 1037 **Health Information Systems I**

Old code 09137. 8 credit points
Ms Vera Dimitropoulos
Offered: February. Classes: 2 hours per week on campus.
Assessment: Assignments/examinations.

This unit introduces students to the concepts and components of the health information systems, including the health record as an information system, the development of the health record during the healthcare process and the quality of medical recording. The role of the Health Information Manager (MM) and the functions of a medical record department are examined along with professional ethics and patient rights. The major component of the unit focuses on hospital record management and covers patient identification, medical record numbering and filing systems, record control, retention and storage, discharge analysis, health record content and structure, including source-orientated medical records (SOMR) and problem-orientated medical records (POMR). Generic records management concepts and procedures are integrated into the unit. Legal aspects related to confidentiality and release of information are examined.

The unit includes an introduction to computerised patient information systems, and students will become familiar with the use of the computerised Patient Master Index (PMI) and Admissions, Transfers and Separations (ATS) system dirough the New South Wales HOSPAS system. Visits to hospitals to observe and practice skills are a compulsory component of the unit.
Practical: 2 day visits (approx 6 hours each) are provided to allow students to observe and practice skills discussed in the classroom.
Textbooks
Health Information Management of a Strategic Resource.
Abdelhak, M., et al (1996). Philadelphia: WB Saunders.

HIMT1039 Microcomputer Applications

Old code 09139.4 credit points
Offered: February. **Classes:** Day classes, attendance required.
Assessment: Assignments/examinations.

In this unit students are introduced to microcomputers. This includes the Windows Operating System, a spreadsheet and a word processing package. Students evaluate advantages and limitations of microcomputers in comparison to mainframe computers and learn to use E-mail, the Internet, and CD-ROM based knowledge-bases.
Textbooks
'Microsoft Office 97 Professional Edition Illustrated: A First Course. Swanson, M.L., Reding, E.E., Beskeen, D.W., & Johnson, S.M. (1997). Cambridge: Course Technology.

HIMT 1042 Professional Experience I

Old code 09142. 5 credit points
Ms Anne Marks
Offered: Inter-semester break. **Classes:** Off campus, block mode.
Assessment: Assignment and supervisor's evaluation.
The unit offers students a one week placement during the inter-semester recess which allows the student to apply the knowledge and practice the skills gained in HIMT 1037 (09130) Health Information Systems I.
Practical: 30 hours clinical placement off campus, block mode.

HIMT 2031 Programming Logic and Design

Old code 09238. 3 credit points
Ms Angelika Lange
Offered: February. **Classes:** Attendance required Day classes.
Assessment: Assignment/examination.

This unit introduces students to structured programming, using the language C. Standard techniques generally employed in programming, the syntax of C, program design aids (Nassi-Shneiderman Diagrams), data types and data structures are covered. The unit also provides an introduction to object-orientated concepts using the Software C++.

HIMT 2036 Medical Science II

Old code 09243. 3 credit points
Offered: July. **Prerequisite:** Medical Terminology I HIM1033 (09133). **Classes:** Attendence required Daytime classes.
Assessment: Examinations.

This unit is designed to provide the theoretical basis by which students can understand the process of medical care. Topics studied include disease processes and medical treatment relating to body systems concentrating on general and specialist medicine relating to the cardiovascular, respiratory, renal, metabolic, musculoskeletal, endocrine systems, and central nervous systems.

HIMT 2039 Professional Experience II

Old code 09246. 5 credit points
Ms Anne Marks
Offered: Inter-semester break. **Classes:** 105 hours (3 weeks). Block mode. **Assessment:** Assignment and supervisor's evaluation.
This unit gives the students the opportunity to build on the practical experience gained in year 1 by examining in detail certain Medical Record Department procedures. The medico-legal procedure and policy for release of information are compulsory. Students are expected to be competent and proficient in carrying out medical record and health information procedures using bom manual and computerised systems. A major task during the placement is to complete procedure manual entries for use in a Medical Record Department.
Practical: 105 hours clinical placement. Off campus, block mode.

HIMT 2042 Database Systems

Old code 09249. 3 credit points
Offered: July. **Prerequisite:** Programming Logic and Design HIMT 2031 (09238). **Classes:** On campus, 21 hours block mode. Four weeks follow up classes with one hour per week. **Assessment:** Assignments/examinations.

This unit covers the study of relational database design, using MS-ACCESS, SQL and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system.
Textbooks
SQL for Dummies (2nd ed). Taylor, A.G. (1997). Chicago: IDG Books.

HIMT 2043 Clinical Classification IIA

Old code 09250. 3 credit points
Ms Vera Dimitropoulos
Offered: February. **Prerequisite:** Clinical Classification I HIMT 1017 (09117) and Medical Terminology I HIMT 1033 (09133). **Classes:** 3 hours per week, on campus. **Assessment:** Continuous assessment.
A continuation of the development of coding skills using ICD-9-CM begun in Clinical Classification I. Students are introduced to coding from discharge summaries and medical record reports to develop their skills in data abstraction for coding, especially the selection of principal diagnoses. The Australian Standards for ICD-9-CM Coding are studied and applied in detail.
Practical: Students will undertake practical exercises through tutorials and independent learning.
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 2044 Clinical Classification IIB

Old code 09251. 5 credit points
Ms Vera Dimitropoulos
Offered: July. **Prerequisite:** Clinical Classification IIA HIMT 2043 (09250). **Classes:** 2-3 hours per week on campus. **Assessment:** Continuous assessment.

This unit covers disease notification and registration procedures, especially those related to cancer, infectious diseases, trauma and birth defects. Specialist classifications and nomenclatures for oncology, psychiatry, pathology, ambulatory and primary care, rehabilitation and severity of illness. Practice in ICD-10-AM and the use of computerised encoders is provided. Students are introduced to coding from medical records on site in hospitals.
Practical: 4-8 hours of practical coding from medical records on site, in hospitals.
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 2045 Management Principles I

Old code 09252. 3 credit points
Ms Tina Magennis
Offered: February. **Classes:** 2 hours per week, on campus.
Assessment: Assignment and final examination.
This unit is designed to introduce students to the principles of management and their application to the area of health information management. Topics covered include: management theories; organising and organisational and job design principles; motivation; decision making; change management; occupational health and safety issues; time management; meetings; organisational communication and business reports. An introduction to procedure manual format prepares the students for Professional Experience n.

HIMT 2047 **Casemix Measurement Systems**

Old code 09254.3 credit points
Ms Joanne Callen
Offered: July. Classes: On campus - block mode 3 days (totals = 20 hours). Assessment: Assignments/final examination.
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 be explored.
Textbooks
Nil textbooks
Major references -relevent journal articles, conference proceedings, available texts

HIMT 2048 **Health Informatics**

Old code 09255.3 credit points
Ms Angelika Lange
Offered: February. Classes: Attendance required, day classes.
Assessment: Continuous assessment/assignments.
This unit is designed to examine hospital information systems in the wider context of computers in information management and in clinical management. Systems analysis and design tools are applied to current and emerging information technologies in health care systems.
Practical: N/A.
Textbooks
Nil textbooks
Major references - relevent journal articles, conference proceedings, available texts

HIMT 3025 **Financial Management in Health Care**

Old code 09325. 3 credit points
Ms Tina Magennis
Offered: February. Classes: 2 hours per week, on campus.
Assessment: Class test and final examination.
In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process, types of budgets and auditing. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 3030 **Medical Science II**

Old code 09331.4 credit points
Offered: February. **Prerequisite:** Medical Science I HIMT 2036 (09243). **Classes:** Attendence required Day classes. **Assessment:** Examinations.
This unit continues the study of disease processes and the physician's and surgeon's response to these processes, and focuses on topics in general and specialist surgery and obstetrics.

HIMT 3031 **Medical Science III**

Old code 09332. 3 credit points
Offered: July. **Prerequisite:** Medical Science II HIMT3030 (09331). **Classes:** Attendance required, Day classes. **Assessment:** Examinations.
In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, paediatrics, oncology, radiotherapy, nuclear medicine, geriatrics, and rehabilitation medicine. Studies also include investigations and pharmacology.

HIMT 3032 **Epidemiology**

Old code 09333. 4 credit points
Ms Johanna Westbrook
Offered: July. **Classes:** Attendance required, Day classes. **Assessment:** Assignments/examination.
This unit introduces students to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies and quantitative aspects of epidemiological research. This unit also includes data management for clinical trials including stages in the development of a clinical trial, organisational structure of a collaborative trial, protocol design and interpretation, methods of data collection and forms design, quality control and maintaining the integrity of the trial, and effective presentation of results in data management.
Textbooks
The Health of Populations: An Introduction.Harper, A-C., Holman, C.D.J., & Dawes, V.P (1994). Melbourne: Churchill Livingstone

HIMT 3034 **Law and Health**

Old code 09335.4 credit points
Ms Tina Magennis
Offered: July. Classes: 3 hrs per week, on campus. **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
Law for the Nursing Profession and Allied Health Care Professions. (3rd ed). Edginton, J. (1995). Sydney: CCH Australia.

HIMT 3041 **Human Resource Management**

Old code 09342. 3 credit points
Offered: February. **Classes:** On Campus. **Assessment:** Assignments.
This unit is designed to introduce the student to the human resource management function relevant to the work of a health information manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered and students are taught how to prepare their own curriculum vitae.

HIMT 3043 **Health Care Evaluation**

Old code 09344.3 credit points
Ms Janelle Craig
Offered: July. Classes: On campus - block mode 3x8 hour days.
Assessment: Continuous assessment/assignments.
In this unit students are introduced to the concepts of quality healthcare. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variations research, consumer satisfaction, total quality management, and clinical indicators. Approaches to improve quality of care such as practice guidelines are discussed. Program evaluation principles will be addressed. Techniques and methodologies for assessing quality of care along with the elements of an effective evaluation program and sources of information for use in evaluation are discussed.

On-campus attendance. Unit is taught in block mode.
Practical: N/A.
Textbooks
Evidence-based Healthcare: How to make health policy and management decisions. Muir Gray, J.A. (1997). New York: Churchill Livingstone.
Evaluating health interventions. Ovretveit, J. (1998) Buckingham: Open University

HIMT 3044 **Management Principles II**

Old code 09345.4 credit points
Ms Tina Magennis
Offered: February. **Classes:** 2 hours per week, on campus.
Assessment: Assignement and final examination.
This unit builds on Management Principles I and introduces students to the management function of planning with particular

apphcations in the areas of Health Information Management. Other topics include: control; TQM, leadership, power, authority and delegation; managerial ethics; conflict and organisational culture and influences on organisations.

HIMT3048 Professional Experience IMA

Old code 09349. 4 credit points
Ms Anne Marks
Offered: February. Classes: Off campus, block mode. **Assessment:** Assignment and supervisor's evaluation.
This unit is designed to extend the student's knowledge and level of understanding in settings outside the traditional medical record department. Students are given the opportunity to investigate health information systems and the work of health information managers in areas in which they may themselves have a particular interest.
Practical: 70 hours clinical placement, off campus, block mode.

HIMT3049 Professional Experience 1MB

Old code 09350. 4 credit points
Ms Anne Marks
Offered: inter-semester break. Classes: Off campus, block mode.
Assessment: Assignment, workshop and supervisor's evaluation.
This unit allows the student to gain direct experience in the organisation and management of medical record and patient information services in hospitals.
Practical: 70 hours clinical placement.

HIMT3050 **Clinical Classification IMA**

Old code 09351. 3 credit points
Ms Vera Dimitropoulos
Offered: February. Prerequisite: Clinical Classification IIB HIMT 2044 (09251). Classes: N/A. Assessment: Final examination.
This unit extends the student's skills in clinical coding using ICD-10-AM. During the semester, students will be required to undertake coding of medical records in hospitals. Clinical coding self study workbooks have been prepared using de-identified copies of medical records to reinforce the coding skills being developed by the student at the hospital.
Practical: Practical coding sessions at a hospital (8 hours).
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 3051 **Clinical Classification IIIB**

Old code 09352. 3 credit points
Ms Vera Dimitropoulos
Offered: July. **Prerequisite:** Clinical Classification IIB HIMT 2044 (09251). **Classes:** 2 hours per week on campus. **Assessment:** Continuous assessment.
In this unit the most recent coding standards are reviewed, computerised coding software is examined, and methods of quality control for coding are investigated.
Practical: Students will undertake practical excercises through tutorials and independant learning.
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 4048 Research Project A

Old code 09474. 21 credit points
Ms Johanna Westbrook
Offered: February. Classes: nil. Assessment: Thesis.
This unit provides Honours students with the opportunity to develop a proposal to undertake an investigation in an area of specialised interest in health information management.

HIMT 4049 Research Project B

Old code 09475. 24 credit points
Ms Johanna Westbrook
Offered: July. **Classes:** Nil. **Assessment:** Thesis.
During this unit the Honours students will complete the investigation begun during Research Project A. The student will prepare a written report suitable for submission to a refereed journal for publication.FuU details of the requirements for this report can be found in the School of Health Information Management's Bachelor of Applied Science (Health Information Management) (Honours) Guidelines, Policy and Procedures.

CHAPTER 11

School of Medical Radiation Sciences

Established in 1988 as the School of Medical Radiation Technology, the School's name was changed to the School of Medical Radiation Sciences in 1999 to better reflect its emphasis on scientific investigation of a wide range of medical radiation fields. There are three streams in the Bachelor of Applied Science (Medical Radiation Sciences) course; Diagnostic Radiography, Nuclear Medicine and Radiation Therapy. All of the health professions in the School combine close patient contact and good communication skills along with the use of technology, to maximise the results for the patient and provide high quality patient care. Postgraduate study is available by research and coursework in all the Medical Radiation Sciences fields, some are offered by off-campus or distance education mode. A Graduate Diploma of Health Science (Medical Sonography) is available for those wishing to practice as a Sonographer.

A Diagnostic Radiographer is a qualified health professional who utilises a range of modalities to provide images and data for the diagnosis and treatment of an injury or disease. The diagnostic radiographer has the skills and knowledge to critically analyse the images and data generated to determine whether they are diagnostically adequate and appropriate for radiological interpretation. In the radiology department the diagnostic radiographer will usually work with the radiologist, however, outside the department they may work with a range of medical specialists in a variety of areas.

Diagnostic Radiographers are involved with many digital imaging systems, the most advanced being Magnetic Resonance Imaging. This is a very sensitive method of imaging some parts of the body and is a rapidly expanding speciality which allows the radiographer to be 'on the cutting edge' for advances in technology and associated research.

A Nuclear Medicine Technologist works in the field of medicine that uses radionuclides in the diagnosis and treatment of disease. A Nuclear Medicine Technologist's responsibilities include the preparation and administration of radiopharmaceuticals to patients and the acquisition and computer analysis of diagnostic functional images using sophisticated instrumentation. Therapeutic radiopharmaceuticals are prepared for administration'and are used in the treatment of specific diseases. New developments in both instrumentation, for example, Positron Emission Tomography and radiopharmaceuticals produced from the National Cyclotron make this a rapidly evolving and exciting technology. Nuclear Medicine Technologists have responsibility for critically analysing images and data to determine whether they are of a high diagnostic standard; for performing quality control procedures in all aspects of their work and for ensuring that they provide a high level of patient care.

A Radiation Therapist is responsible for the accurate and precise planning, calculation and delivery of radiation to cure or relieve the symptoms of malignant disease. A Radiation Therapist is involved in the localisation of the treatment area using CT scans and treatment simulators, the design and calculation of the treatment technique using sophisticated computerised planning systems, and the daily treatment of patients. They also provide emotional, social and educational support to their patients and because patients undergo treatment for several weeks, Radiation Therapists have the opportunity to develop friendly and supportive relationships with their patients.

A Medical Sonographer is responsible for the production of diagnostic images and other diagnostic information using ultrasound. Non-invasive investigations are performed on most soft tissue regions of the body. Using Doppler technology, blood flow characteristics can be determined at any localised site in soft tissue and in vessels, enabling rapid diagnostic information to be obtained. Increases in technology are enabling more information to be collected to quantify both function and anatomical detail. Sonographers have a high level of autonomy and have the professional responsibility for performing a provisional diagnosis during an examination. They are required to acquire and selectively record appropriate images of the examination to facilitate a diagnosis.

Health professionals working in any of the disciplines described above must combine technical competence and expertise with a high level of communication and interpersonal skills. At all times they must maintain a high level of concern for the care and safety of patients. As health professionals they are an integral part of the medical team.

During the undergraduate course, students are given the opportunity to gain experience in the practice of their discipline whilst on clinical placements. Students visit centres which are part of both the public and private sector. During these placements they have the opportunity to develop an understanding of the career path they have chosen and it's place in the modern medical environment.

Qualifications gained from the School of Medical Radiation Sciences are recognised world wide and many of our graduates work in diverse parts of the world. The courses stress the importance of developing a life long attitude to learning and provide graduates with a wide range of generic attributes. These skills allow them to not only develop within their chosen profession, but to branch into different careers as new opportunities present.

Nomenclature used to describe practitioners of the medical radiation disciplines varies due to state industrial awards, regulatory bodies, professional bodies, tradition and common community usage. Diagnostic Radiographers may also be referred to as Radiographers or Medical Imaging Practitioners. Radiation Therapists used to be called Therapeutic Radiographers and this term is still occasionally used. Nuclear Medicine Technologists may also be referred to as Nuclear Medicine Scientists and Medical Imaging Scientists or Practitioners. For many years practitioners of diagnostic ultrasound were referred to as (Medical) Ultrasonographers but now the term Sonographer is preferred. Within NSW all such practitioners working in Public Institutions are included in the category of Medical Radiation Scientists for industrial purposes. It is anticipated that over the next few years the diversity of names will be rationalised.

Bachelor of Applied Science (Medical Radiation Technology)

Last intake 1998

Honours program

Students will be selected to enter the Honours program on the basis of their academic record and research interests. The Year 4 Honours Program may be taken over a one or two year period.

For information specific to the Medical Radiation Technology program, students are advised to contact the Secretary for the School of Medical Radiation Sciences.

Students in the Honours program complete all Year 3 units in the Pass program and additional units in Table 11.1.

Table 11.1: Bachelor of Applied Science (Medical Radiation Technology)

Course code	Mode of offer
1811 [D]	Honours Program; Full-time, 4 years
1812[N]	Honours Program; Full-time, 4 years
1813 [R]	Honours Program; Full-time, 4 years

Pass degree

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
No commencing students in 1999				
Year 2				
No commencing students in 2000				
Year 3				
No commencing students in 2001				

Honours program - additional units

Year 4[2]				
BACH 4038	(25437)	Research Methods and Statistics	3	-
MRTY 4006	(18413)	Honours Thesis	15	19
MRTY 4011	(18419)	Research in Medical Radiations II	-	1
MRTY 4017	(18426)	Honours Workshop A	2	-
MRTY 4018	(18427)	Honours Workshop B	-	2
MRTY 4020	(18429)	Research in Medical Radiations IA[1]	1	-
MRTY 4021	(18430)	Research in Medical Radiations IB[1]	-	2
		Elective[3]	3	or 3
		Stage total (48 credit points for Year 4)		

Notes to Table 11.1

1. These units of study must be completed in year 4.
2. Year 4 units (in special circumstances) may be taken over two years.
3. Students choose one of the following electives:

BACH 4017	(25416)	Epidemiological Research
BACH 4018	(25417)	Evaluation Research
BACH 4019	(25418)	History and Philosophy of Scientific Methodology
BACH 4043	(25442)	Intermediate Statistics
BACH 4044	(25443)	Multivariate Statistics
BACH 4045	(25444)	Qualitative Research Methods
BACH 4046	(25445)	Survey Research Methods

Bachelor of Applied Science (Medical Radiation Sciences)

This course has three main streams: Diagnostic Radiography, Nuclear Medicine Technology and Radiation Therapy.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Medical Radiation Sciences) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics, and either two of 2 unit Physics, 2 unit Chemistry, and 2 unit Biology or 3/4 unit Science at HSC level. Good oral English communication skills are assumed as a large component of the course involves dealing directly with people in clinical settings. Advanced standing in some units will be given on the basis of successfully passing a challenge exam.

Course outline

The course oudine with its three streams and Honours Program is presented in Table 11.2.

Table 11.2: Bachelor of Applied Science (Medical Radiation Sciences)

Course code	Mode of offer
1837[D]	Pass Course; Full-time, 3 years
1838[N]	Pass Course; Full-time, 3 years
1839[R]	Pass Course; Full-time, 3 years
1846[D]	Honours Program; Full-time, 4 years
1847[N]	Honours Program; Full-time, 4 years
1848[R]	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1				
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH 1033	(2511M)	Introduction to Psychology		3
BACH 1034	(2511N)	Introduction to Health Sociology	-	3
BIOS 1084	(11193)	Introductory Human Biology	4	-
BIOS 1119	(111C6)	Introductory Radiation Physics 1A	6	
BIOS 1120	(111C7)	Introductory Radiation Physics 1B	-	3
BIOS 1122	(111C8)	Biomedical Sciences 1A	4	-
BIOS 1123	(111C9)	Biomedical Sciences IB	-	4
MRTY 1018	(18120)	Introduction to Clinical Education	3	-
PLUS				
Diagnostic Radiography				
MRTY 1019	(18121)	Radiographic Practice 1A	4	-
MRTY 1020	(18122)	Radiographic Practice IB	-	5
MRTY 1021	(18123)	Radiographic Physics 1	-	3
MRTY 1022	(18124)	Clinical Education 1A[1]	_	3
OR				
Nuclear Medicine				
MRTY 1023	(18125)	Nuclear Medicine 1A	4	-
MRTY 1024	(18126)	Nuclear Medicine 1B	_	5
MRTY 1025	(18127)	Nuclear Medicine Physics 1	-	3
MRTY 1026	(18128)	Clinical Education 1B[1]		3
OR				
Radiation Therapy				
MRTY 1027	(18129)	Radiation Therapy 1A	4	-
MRTY 1028	(18130)	Radiation Therapy 1B	-	5
MRTY 1029	(18131)	Radiation Therapy Physics 1	-	3
MRTY 1030	(18132)	Clinical Education 1C[1]	-	3
		Stage total (48 credit points for Year 1)	24	24
Year 2				
BIOS 2093	(112E6)	Biomedical Sciences 2	4	-
MRTY 2057	(18257)	Introductory Radiation Biology and Protection	3	-
MRTY 2058	(18258)	Sectional Anatomy	3	-
MRTY 2059	(18259)	Medical Ethics and Professional Issues	-	3
PLUS				
Diagnostic Radiography				
MRTY 2060	(18260)	Radiographic Physics 2	4	-
MRTY 2061	(18261)	Radiographic Practice 2	7	-
MRTY 2062	(18262)	Radiographic Pathology 1	3	-
MRTY 2063	(18263)	Clinical Education 2A[2]	-	21
OR				
Nuclear Medicine				
MRTY 2064	(18264)	Nuclear Medicine Physics 2	4	-
MRTY 2065	(18265)	Nuclear Medicine 2	6	-
MRTY 2066	(18266)	Radiopharmacy	4	-
MRTY 2067	(18267)	Clinical Education 2B[2]	-	21
OR				
Radiation Therapy				
BIOS 2094	(112E7)	Oncology A	3	-
MRTY 2068	(18268)	Radiation Therapy Physics 2	4	-
MRTY 2069	(18269)	Radiation Therapy 2	7	-
MRTY 2070	(18270)	Clinical Education 2C[2]	-	21
		Stage total (48 credit points for Year 2)	24	24

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 3 (first offered in 2001)				
BACH 1028	(2511H)	Research Methods II: Data Analysis and Statistics	3	-
Choice of one of the following:				
BACH 3091	(25389)	Social Psychology and Communication	3	-
or				
BACH 3092	(25390)	Disability Studies and Behavioural Therapy	3	-
Choice of one of the following:				
BACH 1036	(2511P)	Clients, Practitioners and Organisations	—	3
or				
BACH 3093	(25391)	Health Policy Service Delivery	-	3
plus				
MRTY 3059	(18359)	Image Processing	3	
MRTY 3060	(18360)	Medical Radiations Project	-	3
MRTY 3061	(18361)	Integrated Diagnosis and Treatment		3
plus				
Diagnostic Radiography				
MRTY 3062	(18362)	Radiographic Physics 3A	3	-
MRTY 3063	(18363)	Radiographic Practice 3	3	-
MRTY 3064	(18364)	Sonography A	3	-
MRTY 3065	(18365)	Radiographic Pathology 2	3	-
MRTY 3066	(18366)	Clinical Education 3A	3	-
MRTY 3067	(18367)	Radiographic Physics 3B	-	3
MRTY 3068	(18368)	Clinical Education 4A	-	3
		Radiography Electives[3]	-	6
		Elective Studies[4]	-	3
or				
Nuclear Medicine				
MRTY 3064	(18364)	Sonography A	3	-
MRTY 3069	(18369)	Nuclear Medicine Physics 3	3	-
MRTY 3070	(18370)	Nuclear Medicine 3A	6	-
MRTY 3071	(18371)	Clinical Education 3B	3	-
MRTY 3072	(18372)	Nuclear Medicine 3B	-	6
MRTY 3073	(18373)	Clinical Education 4B	-	3
		Elective Studies[4]	-	6
or				
Radiation Therapy				
BIOS 3050	(11343)	Oncology B	3	-
MRTY 3074	(18374)	Radiation Therapy Physics 3	3	-
MRTY 3075	(18375)	. Radiation Therapy 3A	6	-
MRTY 3076	(18376)	Clinical Education 3C	3	-
MRTY 3077	(18377)	Radiation Therapy 3B	-	6
MRTY 3078	(18378)	Seminars in Radiation Therapy	-	3
MRTY 3079	(18379)	Clinical Education 4C	-	3
		Elective Studies[4]	-	3
		Stage total (48 credit points for Year 3)	24	24

Honours program

Year 4 (to be first offered in 2002)				
MRTY 4022	(18431)	Honours Research Seminar	4	-
MRTY 4023	(18432)	Thesis Support A	4	-
MRTY 4024	(18433)	Thesis Support B	-	4
MRTY 4025	(18434)	Honours Thesis	13	20
		Elective[5]	3	or 3
		Stage total (48 credit points for Year 4)	24	24

Notes to Table 11.2 (Electives are subject to availability and student enrolment)

1. Clinical Education 1A Diagnostic Radiography - 1 week block mid year + 2 weeks Dec, - 1 hr/wk on campus Intro to Medical Terminology and Intro to Medical Ethics in Semester 2.
   Clinical Education 1B Nuclear Medicine - 2 week block mid year and 2 weeks December.
   Clinical Education 1C Radiation Therapy - 1 week block mid year and 2 weeks December.
2. Clinical centre: weeks 1-8. Campus weeks: weeks 9-10. Clinical centres: weeks 11-14.
3. Radiography electives - students choose 2 of the following (3 credit points each):
   MRTY 3080 (18380) Seminars in Diagnostic Radiography
   MRTY 3081 (18381) Interventional Radiography
   MRTY 3082 (18382) Management Skills for Health Professionals
   MRTY 3083 (18383) Sports Injury Imaging
   MRTY 3084 (18384) Paediatric Radiography

MRTY 3085 (18385) Operating Suite Radiography
MRTY 3086 (18386) Functional Brain Imaging

4. Elective studies - students choose from the following pool of electives from across the faculty:
Radiography - choice of 1 from the 4 areas
Nuclear Medicine - choice of 2 from the 4 areas
Radiation Therapy - choice of 1 from the 4 areas
i. Physics Electives
BIOS 4046 (114A1) Clinical Physics*
MRTY 3087 (18387) Medical Radiation Sciences Physics Elective
ii MRTY 3088 (18388) Sonography B
iii Behavioural Science Electives
BACH 1100 (25183) Sociology of Community and Family
BACH 3075 (25373) Health Psychology
BACH 3081 (25379) Sociology of Sport
BACH 3082 (25380) Sociology of the Aged and Aging
BACH 3084 (25382) Alternative Medicine
BACH 3085 (25383) Death and Dying
iv. Biomedical Science Electives
BIOS 4044 (11498) Embryology
BIOS 4045 (11499) Applied Neurobiology*

5. Honours elective - students may choose from one of the following electives:
BACH 4017 (25416) Epidemiological Research
BACH 4018 (25417) Evaluation Research
BACH 4019 (25418) History and Philosophy of Scientific Methodology
BACH 4043 (25442) Intermediate Statistics
BACH 4044 (25443) Multivariate Statistics
BACH 4045 (25444) Qualitative Research Methods
BACH 4046 (25445) Survey Research Methods

*Not offered in 2001

Clinical education

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR) at least one month prior to attending their first clinical placement. The certificate must be kept current throughout the students' attendance at University. St John's Ambulance courses on CPR are available throughout the metropolitan and country regions. Life-saving certificates of CPR competency will also be accepted. Students are also required to undergo a criminal records check. Any student who does not receive clearance at criminal records check will not be able to attend clinical placements.

Diagnostic Radiography

Clinical Education provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. To broaden the student's clinical skills a variety of radiology centres will be accessed to enable a wide breadth of experience in procedures, examinations and equipment.

Students will be required to demonstrate their clinical competency in specific contrast media procedures and all skeletal examinations during the three years of the course. Timing of the competencies is linked to the delivery of the theory involved in each competency as part of the academic program. At the conclusion of the course the student will have demonstrated competency at the level required to perform as a beginning practitioner in diagnostic radiography requiring minimal supervision.

During the clinical education program it is essential that students demonstrate an ability to empathise with the patient and understand the necessities for the examination or procedure being performed. Students are expected to interpret images and maintain optimum radiographic quality.

Nuclear Medicine

Clinical Education in year 2(13 weeks) and year 3 (11 weeks) provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in Clinical Education IIB and IIIB is closely synchronised with the acquisition of the related theory in Nuclear Medicine I and II respectively. Students will be placed in a variety of nuclear medicine centres to give them a breadth of experience of procedures and instrumentation.

By the end of year 2, students will be able to perform simple routine procedures and data acquisition and will be aware of the role of the nuclear medicine technologist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform complex routine clinical procedures including computer acquisition and analysis, reconstitution and dispensing of radiopharmaceuticals, and quality control in all areas, including planar instrumentation, single photon emission computerised tomography and radiopharmacy. Students will also have observed and assisted with, but not shown competence at various non-routine procedures such as positron emission tomography, radiopharmaceutical cell labelling, in vivo tracer studies and bone mineral densitometry.

Throughout years 2 and 3 the student's competence will be progressively assessed by university supervisors and authorised clinical assessors from the nuclear medicine centres. By the end of the third year students must demonstrate the clinical competence required to perform as a nuclear medicine technologist with minimum supervision.

Radiation Therapy

Clinical Education in year 1 provides a general introduction to the principles of patient care and to the role of the radiation therapist. It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown one month prior to the first clinical placement.

St John Ambulance courses on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Clinical Education in years 2 and 3 provide an opportunity for students to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in the Clinical Education units is closely synchronised with the acquisition of the related theory in the on-campus professional units of study.

Students will be placed in a variety of radiation oncology centres to give them a breadth of experience of radiation therapy procedures and equipment.

By the end of year 2, students will be able to perform simple routine treatment, simulation and planning procedures, will form an empathetic relationship with patients, and will be aware of the role of the radiation therapist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform more complex routine treatment, simulation and planning procedures for a range of electromagnetic and particulate radiations. In addition, students will have observed and assisted with, but not demonstrated competence in performing various non-routine procedures such as stereotactic radiosurgery, intra-operative radiation therapy, brachytherapy and total body irradiation.

Throughout years 2 and 3 the student's competence will be progressively assessed by University supervisors and authorised clinical assessors from the Radiation Oncology centres. By the end of the third year students must demonstrate the clinical competence required to perform as a radiation therapist with minimum supervision.

Clinical education dates - Bachelor of Applied Science (Medical Radiation Sciences)

Diagnostic Radiography, Nuclear Medicine and Radiation Therapy

Year 1
25 June - 3 August (1 or 2 weeks depending on stream)
3-21 December (2 or 3 weeks depending on stream) OR
7-18 January (Nuclear Medicine only)

Year 1
6 August - 21 September (7 weeks)
1 October- 16 November (7 weeks including 2 weeks on-campus from 1-12 October)

Year3
22 January - 23 February (5 weeks)
25 June - 27 July (5 weeks)

Uniforms

All students during clinical education placements must wear uniforms, identification badges and radiation monitoring badges.

Diagnostic Radiography

Female

The white School polo shirt, purchased from the Student Guild, or a white blouse (with collar) and University Crest cloth bag worn with EITHER

- A navy blue skirt OR
- Navy blue trousers OR
- Navy blue culottes
  AND
- If stockings are worn they must be flesh, grey or white coloured
- Closed, flat-heeled leather shoes in black, navy blue or white (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

The length of skirts and culottes should be at least to the top of the knee.

Male

The white School polo shirt, purchased from the Student Guild, or a white 'Ben Casey' style jacket or business shirt with the University Crest cloth badge; worn with navy trousers (not shorts).
AND

- Closed shoes in black or brown leather (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

Nuclear Medicine and Radiation Therapy

Female

The white School polo shirt, purchased from the Student Guild, worn with EITHER

- A navy blue skirt OR
- Navy blue trousers OR
- Navy blue culottes
  AND
- If stockings are worn they must be either flesh, grey or white coloured
- Closed, flat-heeled leather shoes in black, navy blue or white (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

The length of skirts and culottes should be at least to the top of the knee.

Male

The white School polo shirt, purchased from the Student Guild, worn with navy trousers AND

- Closed shoes in black or brown leather (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

Units of study

BACH 1026 **Research Methods I: Design**

Old code 2511F. 3 credit points
Dr Peter Choo
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. Abroad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

Textbooks

Handbook for Research Methods in Health Sciences. Minichiello, V. et al (Eds). (1999). Sydney: Addison-Wesley.

BACH 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points
Mr Alan Jones
Offered: Full year. Prerequisite: or Corequisite by permission. Research Methods I: Design BACH 1026 (2511F). Classes: Flexible learning. Assessment: Assignment/examination.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks

The Basic Practice of Statistics. (2nd ed). David, S.

BACH 1033 **Introduction** to **Psychology**

Old code 2511M. 3 credit points
Ms Karen Popper
Offered: July. Classes: 2 hours per week, on campus.
Assessment: Essay, and final written examination.

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

Textbooks

Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 1034 **Introduction to Health Sociology**

Old code 2511N. 3 credit points
Mr Ian Andrews
Offered: July. **Prohibition:** Higher level units of Sociology. **Classes:** On Campus 2 hours/week. **Assessment:** Assignment/examinations.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Practical: N/A.
Textbooks
Selected readings (reader)

BACH 1036 Clients, Practitioners and Organisations

Old code 2511 P. 3 credit points
Dr Zakia Hossain
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029 (25111). **Classes:** 13 Lectures, 13 Seminars. **Assessment:** Assignment and examination.

This unit of study assists students to use sociological perspectives to analyse key interpersonal and organisational aspects of therapy and work in health care settings. It focuses on client-practitioner relationships and the legislative and institutional context of work and health care provision.
Textbooks
Book of reading

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points
Dr Rosemary Cant
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098 (25181). Classes: On Campus 2 hours/week. **Assessment:** Assignments and examination.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit.
Textbooks
Manual with key material and references.

BACH 3075 Health Psychology

Old code 25373. 6 credit points
Dr Steve Cumming
Prerequisite: Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (25210). **Classes:** Lecture and Seminar.
Assessment: 2 essays, 2 x 1 hour exam.

This unit examines two major areas of health psychology. Firstly, psychological approaches to understanding and managing pain, and the relationship of pain to injury and chronic illness is considered. Pain is a complex multi-dimensional construct with sensory, emotional, motivational, behavioural, and environmental components. Current theoretical debates regarding the nature and perception of acute and chronic pain are introduced, and techniques currently used in the management of acute and chronic pain /are surveyed. Secondly, students are acquainted with the major approaches to understanding and conceptualising stress and coping in our society. Stress represents a reaction to a situation or event which depends on personality, the person-environment fit and the presence of social support. Aspects of the work situation and human service organisations are identified as foci for the study of stress. The seminar program aims to give students a first hand knowledge of the assessment strategies used in stress research and management, and direct participation in stress management skills, including relaxation, time management, goal setting and developing coping skills.
Textbooks
Manual and text

BACH 3081 Sociology of Sport

Old code 25379. 3 credit points
Mr Ian Andrews
Offered: Full year. **Prohibition:** Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). **Classes:** On Campus 2 hours/week. **Assessment:** Assignment/examination.

This unit examines the nature of modern sporting forms and practices, and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age, and disability); ideology, power and politics in sport; the links between sport and 'community'; and the relationship between the mass media and professional sports.

BACH 3082 Sociology of the Aged and Aging

Old code 25380. 3 credit points
Dr Rosemary Cant
Prerequisite: Introduction to Health Sociology (101C2) or equivalent.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community re^ sponse, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined.

BACH 3084 Alternative Medicine

Old code 25382. 3 credit points
Ms Ann Hale
Offered: July. **Classes:** 2 hours/week. **Assessment:** Final assignment.

This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3085 Death and Dying

Old code 25383. 3 credit points
A/Prof Glynnis Howarth
Offered: February. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C). **Classes:** 2 hours/week. **Assessment:** Final assignment.

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

BACH 3091 Social Psychology and Communication

Old code 25389. 3 credit points
Offered: February. **Prerequisite:** Introduction to Psychology BEHS 1150 (101F4).

Module 1 introduces students to theories and research on interactions between people, particularly at work, allowing students to more effectively understand and analyse social processes in the workplace. Module 2 considers basic therapeutic techniques, and some of the scenarios in which communication techniques are required. The lectures provide a psychological context within which the usefulness of therapeutic communication techniques can be appreciated, and provides a format for the development of basic communication skills.

BACH 3092 Disability Studies and Behaviour Therapy

Old code 25390. 3 credit points
Offered: February. **Prerequisite:** Introduction to Psychology BEHS 1150(101F4).

Module 1 aims to provide students with a general understanding of the social position and life experiences of people with disabilities. On the basis of this knowledge students will be able to examine meir own attitudes and professional behaviour towards people with disabilities and make changes where necessary to improve the effectiveness of the services they provide. Module 2 introduces students to a range of behaviour therapy techniques. The student will be able to demonstrate a knowledge of techniques used for behaviour change and their application in clinical settings.

BACH 3093 **Health Policy Service Delivery**

Old code 25391. 3 credit points
Offered: July. **Prerequisite:** Introduction to Health Sociology BEHS 1151 (101FS).

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

BACH 4017 **Epidemiological Research**

Old code 25416. 3 credit points
Dr Kaye Brock
Offered: July.

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

BACH 4018 **Evaluation Research**

Old code 25417. 6 credit points
Dr Ian Hughes
Offered: Not offered in JulyOOFebruary. Classes: Web based.

In this unit students will examine aspects of conducting evaluation research, an area that focuses on the application of multidisciplinary research methods to health services. Empowering and critical approaches will be included.

BACH 4019 **History and Philosophy of Scientific Methodology**

Old code 25418. 3 credit points
Dr Rod Rothwell
Offered: February. Classes: On Campus night course.
Assessment: 2 Assignments 1000 words each.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.

The Nature of Science: Problems and Perspectives. (1997). Hung, E. Wadsworth Press.

BACH 4038 **Research Methods, Data Analysis, and Statistics**

Old code 25437. 3 credit points
Mr Alan Jones
Offered: Full year. **Classes:** Flexible learning. **Assessment:** Assignment and examination.

This unit builds on Research Methods I: Design, and introduces students to basic qualitative and quantitative data analysis techniques. Using examples, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests, and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

Textbooks

The Basic Practice of Statistics. (2nd ed). Moore, D.S.

BACH 4043 **Intermediate Statistics**

Old code 25442. 3 credit points
Dr Peter Choo
Offered: Full year. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Methods 2 BACH 1118 (2511R), or equivalent. **Classes:** On Campus 3 hours/week. **Assessment:** Written assignments and examination.

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.

BACH 4044 **Multivariate Statistics**

Old code 25443. 3 credit points
Prerequisite: Intermediate Statistics (10503), or equivalent.

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

BACH 4045 **Qualitative Research Methods**

Old code 25444. 3 credit points
Dr Cherry Russell
Offered: Full year. **Classes:** On Campus 3 hours/week.
Assessment: 2 assignments.

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

Practical: 2 hours fieldwork.

Textbooks

Course reader

BACH 4046 **Survey Research Methods**

Old code 25445. 3 credit points
Ms Kate O'Loughlin
Offered: July.

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

BIOS 1084 **Introductory Human Biology**

Old code 11193. 4 credit points
Dr Laurette Batmanian
Offered: February. Classes: On Campus 4 hours/week.
Assessment: Mid-Semester and Final Exam.

This unit of study will present aspects of basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The specific topics considered include mechanisms of homeostasis, general cellular structure and function, introductory chemistry, chemistry of biologically important molecules, blood characteristics and functions, cell metabolism, protein synthesis, cell replication and introductory genetics.

Textbooks

Anatomy and Physiology. (5th ed). Seeley, R.R., Stephens, T.D. and Tate, P. (2000). McGraw Hill, Boston.

BIOS 1119 **Introductory Radiation Physics 1A**

Old code 111C6. 6 credit points
Mr Ian Cathers
Offered: February. Classes: On Campus 6 hours/week.
Assessment: Mid-Semester Exam, Final Exam, Assignment.
This unit of study examines the structure of matter together with the types of ionising radiation, their interactions with matter, electricity, magnetism, electrical safety, vibrations and waves and heat. In addition, students are provided with a brief review of the necessary fundamental physics and mathematics required for this unit and the subsequent unit, Radiation Physics IB.
Textbooks
Graham. Principles of Radiological Physics.

BIOS 1120 **Introductory Radiation Physics 1B**

Old code 111C7. 3 credit points
Dr Gilbert Vella
Offered: July. Classes: On Campus 6 hours/week (only 6 weeks).
Assessment: Mid-Semester 30%, End of Semester 50%, Practical Book 20%.
This unit of study provides an introduction to basic electronics, ultrasound fundamentals, optics, devices for the detection of ionising radiation, dosimetry of ionising radiation.
Textbooks
Principles of Radiologic Physics. (3rd ed). Graham D.T. Churchill Livingstone.

BIOS 1122 **Biomedical Sciences 1A**

Old code 111C8.4 credit points
Dr Hoang Tran-Dinh
Offered: February. Classes: 3 hours/week. Assessment: Mid-semester Spot-Test and End of Semester MCQ.
This unit of study will provide a general introduction to the study of human anatomy, physiology and pathophysiology. A detailed study of the musculoskeletal, cardiovascular and lymphatic systems will be undertaken. There will be special attention to the application of this material to the branches of medical radiation sciences. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Seely, Stephens and Tate. Anatomy and Physiology

BIOS 1123 **Biomedical Sciences 1B**

Old code 111C9.4 credit points
DrHoangTran-Dinh
Offered: July. **Assumed knowledge:** Basic biology. Classes: 5 hours/week. **Assessment:** Final Exam.
This unit of study will examine inflammation, immunology and immunological disorders, infection control, genetic disorders, hematologic disorders, trauma, ageing, pharmacology and the physiology and pathophysiology of the respiratory and digestive systems relevant to the study of medical radiation science. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is required.

BIOS 2093 **Biomedical Sciences 2**

Old code 112E6.4 credit points
Dr Laurette Batmanian
Offered: February. Prerequisite: Biomedical Sciences 1B BIOS 1123 (111C9). Classes: On Campus 4 hours/week. Assessment: Anatony Spot Test, Mid-semester, Final Exam.
This unit of study introduces the students to the human urinary, reproductive, endocrine and nervous systems. It describes the normal gross and microscopic structure as well as the physiological and pathological function of each organ system. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is required.
Textbooks
Nowak, T.J. and Handford, A.G. (1994). Essentials of Pathophysiology, WM. C. Brown Publishers.

BIOS 2094 **Oncology A**

Old code 112E7.4 credit points
Dr Laurette Batmanian
Offered: February. Prerequisite: Introductory Human Biology BIOS 1084 (11193) Biomedical Sciences 1B BIOS 1123 (111C9).
Classes: On Campus 3 hours/week. **Assessment:** Written Exam, Group Participation, Case Reports.
This unit of study examines neoplasia and the detailed pathology of malignant tumours of the head and neck, lymphatics, upper respiratory, endocrine, genito-urinary and reproductive systems to provide a foundation to understanding the rationale of oncological regimes. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care and critical evaluation of treatment outcomes.
Textbooks
Washington, C.M. andLeaver, D.T. (1997). Principles and Practice of radiation Therapy. Practical Applications, Mosby.

BIOS 3050 **Oncology B**

Old code 11343. 3 credit points
Ms Laurette Batmanian
Offered: February. Corequisite: Oncology A BIOS 2094 (112E7).
This unit studies the detailed pathology of malignant tumours of the musculoskeletal, lower respiratory, integumentary, haematopoietic, gastro-intestinal and central nervous system to provide a foundation to understanding the rationale of oncological regimes. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care and critical evaluation of treatment outcomes.

BIOS 4044 **Embryology**

Old code 11498.3 credit points
Dr Helen Ritchie
Offered: July. Prerequisite: Biomedical Sciences 2 BIOS 2093 (112E6).
NB: Subject to availability.
The goal of this elective is to provide students with basic understanding of normal and abnormal development of human from conception to birth. This will also include some study of abnormal female reproduction.

BIOS 4045 **Applied Neurobiology**

Old code 11499.3 credit points
Offered: July. **Prerequisite:** Biomedical Sciences 2 BIOS 2093 (112E6). Classes: Not offered in 2001.

BIOS 4046 **Clinical Physics**

Old code 114A1. 3 credit points
Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6), Introductory Radiation Physics 1B BIOS 1120 (1111C7). Classes: Not offered in 2001.
This unit examines some aspects of Physics used in clinical situations. The first part covers the mechanics of lifting, the eye and its responses to visual signals as well as the ear and its response to sounds. The second part studies the idea of Fourier analysis as applied to simple wave shapes. It also covers the concepts of sampling, the Nyquist criterion, sources of noise, signal-to-noise ratio, bandwidth concepts and filtering. The third part studies the underlying fundamental microwave physics for linear accelerators. It includes travelling and standing wave accelerating structures, basic waveguide theory, microwave power.

MRTY1018 **Introduction to Clinical Education**

Old code 18120. 3 credit points
Mr Edward Caruana
Offered: February. **Corequisite:** Radiographic Practice 1A MRTY 1019 (18121) or Radiation Therapy 1A MRTY 1027 (18129) or Nuclear Medicine 1A MRTY 1023 (18125). Classes: On Campus 3hrs/week. **Assessment:** Formal test/final exam.
This unit of study will introduce the student to the generic aspects of Clinical Education. It includes three modules of one credit point each:

- Introduction to Medical Radiation Sciences modalities
- Introduction to communication skills
- Basic patient care.

MRTY1019 **Radiographic Practice 1A**

Old code 18121. 4 credit points
Mr Edward Caruana
Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6). **Classes:** On Campus 3hrs/week.
Assessment: Formal test/final exam.

This unit of study will introduce the student to the basic principles of photography and image production in Radiography. The anatomical region of the chest will be used as an elementary application of radiographic techniques.

Textbooks

Christensen's Physics of Diagnostic Radiology. Curry, T., Dowdey, J. and Murry, R. Lea & Febiger.

MRTY 1020 **Radiographic Practice 1B**

Old code 18122. 5 credit points
Mr Edward Caruana
Offered: July. Prerequisite: Radiographic Practice 1A MRTY 1019 (18121). Corequisite: Radiographic Physics 1 MRTY 1021 (18123), Biomedical Sciences IB BIOS 1123 (111C9). Classes: On Campus 5hrs/week. Assessment: Assignment/final exam.

The aim of this unit of study is to provide students with the knowledge and skills to perform radiographic examinations of chest, upper and lower limbs. The unit builds on technical and theoretical work from Radiographic Practice IA. Introductory radiographic anatomy and pathology is included in the unit

Textbooks

Merrill's Atlas of Radiographic Positions and Radiographic Procedures. Philip Ballinger

MRTY 1021 **Radiographic Physics 1**

Old code 18123. 3 credit points
Mr Don McLean
Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6). **Classes:** On Campus 3 hrs. **Assessment:** Practicals/examination.

This unit of study introduces the student to the construction, design, operation, associated radiation protection and quality control of general radiographic equipment.

Practical: 2 hours per week (extra).

Textbooks

Christensen's Physics of Diagnostic Radiology by Curry, T.S., Dowdey, J.E. & Murry, R.C. Lea & Febiger.

MRTY 1022 **Clinical Education 1A**

Old code 18124. 3 credit points
Mr Edward Caruana
Offered: July. Prerequisite: Introduction to Clinical Education MRTY 1018 (18120), Radiographic Practice 1AMRTY 1019 (18121), CPR Certificate. Corequisite: Radiographic Practice 1B MRTY 1020 (18122). Classes: On Campus/Clinical Centres. Assessment: Continuous assessment/final exam (OSCE).

This unit of study is the first of four units of study in clinical education. It consists of 4 weeks of clinical instruction which introduces the student to the role of the diagnostic radiographer in medical imaging. Emphasis is placed on practice in patient care principles, interpersonal communication skills; and practice in the radiographic examinations of the chest and upper and lower limb. Basic medical terminology and an introduction to medical ethics and legal issues is also included within this unit of study.

Practical: Clinical Centres, 4 weeks.

MRTY 1023 **Nuclear Medicine 1A**

Old code 18125. 4 credit points
Ms Edwina Adams
Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6). **Classes:** On Campus. **Assessment:** Essay, class tests, reports, 1 hr exam.

This unit of study introduces the student to the study and practice of Nuclear Medicine. It aims to develop the student's understanding of the use of radiation, the underlying theory of Nuclear Medicine as well as the elementary applications for Nuclear Medicine studies.

Practical: Web based learning, nuclear medicine laboratory.

Textbooks

Nuclear Medicine Science and Safety. Perkins, A.C. (1995).

MRTY 1024 **Nuclear Medicine 1B**

Old code 18126. 5 credit points
Ms Edwina Adams
Offered: July. Prerequisite: Nuclear Medicine 1A MRTY 1023 (18125). Corequisite: Clinical Education 1B MRTY 1026 (18128). Classes: On Campus. Assessment: Reports, assignment, exam.

This unit of study examines the application of radionuchdes and imaging procedures to the investigation of the respiratory, skeletal and gastrointestinal systems of the body. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals.

MRTY 1025 **Nuclear Medicine Physics 1**

Old code 18127. 3 credit points
Offered: July. **Prerequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6).

This unit of study examines instrumentation principles and design in nuclear medicine. It includes methods and measurement of radiation detection, instrumentation componentry and collimation techniques. Applications of the componentry to particular radiation detectors is covered, together with the display of information via recording devices, analogue and digital displays, nuclear medicine computer systems and the quality control of instrumentation.

MRTY 1026 **Clinical Education 1B**

Old code 18128. 3 credit points
Mr Peter Kench
Offered: July. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), Nuclear Medicine 1A MRTY 1023 (18125), CPR Certificate. **Classes:** Clinical placements. **Assessment:** Case study, clinical assessment, assignment.

To introduce students to the clinical environment of a Nuclear Medicine department and to the role of the Nuclear Medicine Technologist. This unit provides the student with a structured program of clinical experience.

Practical: Clinical placements.

MRTY 1027 **Radiation Therapy 1A**

Old code 18129. 4 credit points
Ms Jenny Cox
Offered: February. **Corequisite:** Introductory Radiation Physics 1A BIOS 1119 (111C6). **Assessment:** Essay, exams during semester, final examination.

In this unit of study the student will be introduced to the department of radiation oncology and the role of the radiation therapist in the care and treatment of patients. At the completion of the unit of study, students will be able to undertake clinical education experience with background knowledge of the field and the ability to work safely as part of the radiation therapy team.

Textbooks

1. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
2. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 1028 **Radiation Therapy 1B**

Old code 18130. 5 credit points
Ms Jenny Cox
Offered: July. Prerequisite: Radiation Therapy 1A MRTY 1027 (18129). Corequisite: Radiation Therapy Physics 1 MRTY 1029 (18131). Assessment: Portfolio, practical test x 2.

This unit of study expands the knowledge gained in Radiation Therapy IA, and concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat simple palliative techniques on the linear accelerator and routine superficial therapy techniques. The role of the radiation therapist as a supporter and educator of the patient will also be addressed.

Textbooks

1. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

2. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 1029 **Radiation Therapy Physics 1**

Old code 18131.3 credit points
Ms Natalka Suchowerska
Offered: July. Prerequisite: Introductory Radiation Physics 1A BIOS 1119 (111C6). Assessment: Practical test and exam.
This unit of study will cover the physical principles of the appropriate use of ionising radiation in radiation therapy. A variety of beam generating devises are covered, paying particular attention to their uses in modem radiation therapy. The physical basis of beam calibration and manual dose calculation for fixed and isocentric radiotherapy are introduced.
Textbooks
The Physics of Radiation Therapy. Khan, F.M.

MRTY 1030 **Clinical Education 1C**

Old code 18132.3 credit points
Ms Marianne Rinks
Offered: July. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), CPR Certificate. **Classes:** Off Campus. **Assessment:** CPR certificate, reports continuous assessment.
This is the first of four units of study in which students are placed in radiation oncology centres, primarily in the greater Sydney metropolitan region. The aim of this unit is to provide students with an introduction to clinical radiation oncology.
Practical: 35 hours/week x 3 weeks.

MRTY 2057 **Introductory Radiation Biology and Protection**

Old code 18257. 3 credit points
Ms Natalka Suchowerska
Offered: February. Prerequisite: Introductory Radiation Physics IA BIOS 1119 (111C6), Introductory Human Biology BIOS 1084 (11193). Assessment: 2 Class tests and 1 assignment.
This unit of study introduces students to the radiobiological effects and safe use of ionising radiation common to all Medical Radiations.
Textbooks
Radiobiology for the Radiologist, Hall

MRTY 2058 **Sectional Anatomy**

Old code 18258.3 credit points
Ms Ann Poulos
Offered: February. Prerequisite: Biomedical Sciences IA BIOS 1122 (111C8), Biomedical Sciences IB BIOS 1123 (111C9). Corequisite: Biomedical Sciences 2 BIOS 2093 (112E6). Classes: On Campus 2hrs/week. Assessment: Final exam.
This unit of study facilitates the ability of the student to identify normal anatomy in sectional images. A framework is created within which organs and structures are identified due to their spatial relationships and appearances as displayed on diagnostic images. Students will complete two core modules - the thorax and the brain. These modules will be facilitated through lectures and tutorials. Students will also select two modules for independent study. It is anticipated that students will select modules relevant to their discipline.
Textbooks
Anatomy in Diagnostic Imaging, Pleckenstein, P., Tranum-Jensen, J.

MRTY 2059 **Medical Ethics and Professional Issues**

Old code 18259.3 credit points
Mr Simon Cowell
Offered: July. Corequisite: Clinical Education 2A MRTY 2063 (18263) or Clinical Education 2B MRTY 2067 (18267) or Clinical Education 2C MRTY2070 (18270). Classes: On Campus, Block mode. Assessment: Report and take home exam.
This unit of study aims to develop an understanding of professional, ethical and legal issues relating to the health sector with a particular emphasis on the medical radiation sciences. It aims to encourage new graduates to become contributing members of their profession through active involvement in professional organisations, participation in public debate on professional, ethical and legal issues within the health sector and through commitment to the concept of life-long continuing professional development.
Textbooks
Ethical and Legal Issues for Imaging Professionals. Towsley-Cook, D.M. and Young, T.A. (1998)

MRTY 2060 **Radiographic Physics 2**

Old code 18260.4 credit points
Mr Don McLean
Offered: February. Prerequisite: Radiographic Physics 1 MRTY 1021 (18123). Corequisite: Introductory Radiation Biology and Protection MRTY 2057 (18257). Classes: On Campus 3-4 hours/week. Assessment: Practicals/examination.
This unit of study introduces the student to construction, design, operation, associated radiation protection and quality control of general radiographic and processing equipment. A module in introductory Image Processing will be presented.
Practical: 2 hours per week (extra).
Textbooks
Christensen's Physics of Diagnostic Radiology. Curry, T.S., Dowdey, J.E. & Murry, R.C. Lea & Febiger.

MRTY 2061 **Radiographic Practice 2**

Old code 18261. 7 credit points
Mr John Robinson
Offered: February. Prerequisite: Radiographic Practice 1B MRTY 1020 (18122) Clinical Education 1A MRTY 1022 (18124). Classes: On Campus 5hrs/week. Assessment: Assignments/Examination.
This unit of study will introduce students to the principles and practice of plain non-contrast radiographic procedures of the appendicular and axial skeleton and will build upon the units Radiographic Practice IA and IB. The unit will provide students with the fundamental knowledge of properties and effects of contrast media, the mechanism of contrast media reactions, the treatment of contrast media reactions and the practice of contrast media procedures of the gastro-intestinal and genito-urinary tracts. The radiographic appearance of relevant osseous and visceral anatomy will be taught in this unit.
Textbooks
Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Philip Ballinger

MRTY 2062 **Radiographic Pathology 1**

Old code 18262. 3 credit points
Mr Jeremy King
Offered: February. **Prerequisite:** Radiographic Practice 1B MRTY 1020 (18122) Biomedical Sciences 1B BIOS 1123 (111C9). **Corequisite:** Radiographic Practice 2 MRTY 2061 (18261). **Classes:** On Campus 2hrs/week. **Assessment:** Continuous Assessment/Final Exam.
This unit provides an introduction to basic pattern recognition of normal non-contrast radiographic appearance of the pelvic girdle, spine and abdomen. It also introduces students to basic pattern recognition of normal contrast radiographic appearance of the renal, alimentary and hepatobiliary tracts. Case studies of common trauma and pathological conditions of the above regions will be presented.
Practical: N/A.
Textbooks
Radiographic Critique. K.McQuillen-Martensen

MRTY 2063 **Clinical Education 2A**

Old code 18263. 21 credit points
Mr John Robinson
Offered: Full year. **Prerequisite:** Clinical Education 1A MRTY 1022 (18124), Radiographic Practice 2 MRTY 2061 (18261). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). **Classes:** On Campus/Clinical Centre. **Assessment:** Continuous assessment/final exam (OSCE).
This is the second of 4 units of study in clinical education and consists of 14 weeks of clinical practice. During this unit of study the student will practice the skills that are basic to the profession of radiography. They will consolidate their learning in the areas of general skeletal radiography, contrast media examinations of the gastrointestinal and genitourinary tract, general paediatric radiography, mobile radiography and operating

suite radiography. Students will obtain competencies in these areas.
Practical: Clinical Centres, 14 weeks.

MRTY2064 **Nuclear Medicine Physics 2**

Old code 18264. 4 credit points
Offered: February. **Prerequisite:** Nuclear Medicine Physics 1 MRTY 1025 (18127). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257).

This unit of study extends and develops studies in aspects of nuclear medicine technology systems. It gives the student a comprehensive review of gamma camera specifications, quality control, digital cameras, statistical analysis and physical principles of quantitative nuclear medicine and tomography devices. The unit of study concludes with a review of recent developments in instrumentation. A module in introductory Image Processing will be presented.

MRTY 2065 **Nuclear Medicine 2**

Old code 18265. 6 credit points
Mr Peter Kench
Offered: February. Prerequisite: Nuclear Medicine 1B MRTY 1024 (18126), Clinical Education 1B MRTY 1026 (18128). Classes: On Campus. Assessment: Class test, essay, exam.
This unit of study examines the application of radionuclides and imaging procedures to the investigation of the endocrine, genito-urinary, gastrointestinal, and lymphatic systems of the body. Principles of gallium imaging will be introduced. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals.
Practical: Web based activities, hot laboratory.

MRTY 2066 **Radiopharmacy**

Old code 18266. 4 credit points
Ms Elizabeth Kilburn-Watt
Offered: February. Prerequisite: Introductory Human Biology BIOS 1084 (11193), Nuclear Medicine 1B (MRTY 1024 (18126). Classes: On Campus. Assessment: Portfolios, practical test, exam.
This unit of study examines the principles of the design, production, and chemical and biological behaviour of radiopharmaceuticals. Students obtain an understanding of and practical experience in the correct preparation, handling, dispensing and quality assurance techniques involved in the use of radiopharmaceuticals used in Nuclear Medicine procedures.
Practical: Radiopharmacy laboratory.
Textbooks
Fundamentals of Neclear Pharmacy. Saha, G.B. (1998).

MRTY 206.7 **Clinical Education 2B**

Old code 18267. 21 credit points
Mr Peter Kench
Offered: July. **Prerequisite:** Clinical Education 1B MRTY 1026 (18128), Nuclear Medicine 2 MRTY 2065 (18265). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). **Classes:** Clinical placements. **Assessment:** Oral test, presentation, clinical assessment.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in Nuclear Medicine procedures. Students will be required to demonstrate a range of acquired skills and applied knowledge in Nuclear Medicine practice sufficient for entry to the Clinical Education 3B program.
Practical: Clinical placements.

MRTY 2068 **Radiation Therapy Physics 2**

Old code 18268. 4 credit points
Ms Natalka Suchowerska
Offered: February. **Prerequisite:** Radiation Therapy Physics 1 MRTY 1029 (18131). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257). **Assessment:** 2 Practical tests 1 Practical report 1 Exam.

This is the second of three units which cover the physical principles of the appropriate use of ionising radiation in radiation therapy. This unit of study examines the method and measurement of radiation therapy beams. The physical issues involved in electron radiation therapy treatment are also explored. Manual dose calculations for fixed and isocentric radiation therapy are also addressed. The physics of brachytherapy treatment is introduced. A module in introductory Image Processing will be presented.
Textbooks
The Physics of Radiation Therapy. Khan, F.M.

M RTY 2069 **Radiation Therapy 2**

Old code 18269. 7 credit points
Mr John Atyeo
Offered: February. Prerequisite: Radiation Therapy 1B MRTY 1028 (18130). Corequisite: Radiation Therapy Physics 2 MRTY 2068 (18268) Oncology A BIOS 2094 (112E7). Classes: 7 hrs/week. Assessment: Within semester exam, report, final examination.
This unit of study expands the knowledge gained in Radiation Therapy IB, and aims to apply the principles taught in the radiation therapy physics unit of study to clinical radiation therapy. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi-field techniques of the brain, head and neck and pelvic regions. The role of the radiation therapist as a supporter and educator of the patient will continue to be addressed.
Textbooks

1. The Physics of Radiation Therapy. (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 2070 **Clinical Education 2C**

Old code 18270. 21 credit points
Ms Marianne Rinks
Offered: July. **Prerequisite:** Clinical Education 1C MRTY 1030 (18132) Radiation Therapy 2 MRTY 2069 (18269). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). **Classes:** Off Campus 3hrs/week. **Assessment:** Continuous assessment, reports, OSCE.

This is the second of four units of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and developed in the clinical setting.
Practical: 35 hours/week x 12 weeks plus 2 weeks on campus.

MRTY 3059 **Image Processing**

Old code 18359. 3 credit points
Offered: February. **Prerequisite:** Radiographic Physics 2 MRTY 2060 (18260) or Nuclear Medicine Physics 2 MRTY 2064 (18264) or Radiation Therapy Physics 2 MRTY 2068 (18268).

A study of the fundamentals, concepts and applications of processing of medical images in digital form using computer based systems.

MRTY 3060 **Medical Radiations Project**

Old code 18360. 3 credit points
Offered: July. **Prerequisite:** Research Methods II: Data Analysis BACH 1028 (2511H) Radiographic Practice 3 MRTY 3063 (18363) or Nuclear Medicine 3A MRTY 3070 (18370) or Radiation Therapy3A MRTY 3075 (18375). **Assessment:** Project proposal, submission of project.

This unit of study follows on from the module in Radiation Therapy 3A, Nuclear Medicine 3A and Radiographic Practice 3, where a research topic was chosen and a preliminary research proposal was written. The unit of study provides students with the opportunity to extend their interests by undertaking an investigative project in their chosen area of medical radiation science. The project will develop the student's ability to work independently with minimum supervision and introduces the student to the place of research in the medical radiation professions.
Textbooks

The Management of a Student Research Project. (1983). Howard, K. and Sharp, J.A. Aldershot: Gower.

MRTY 3061 **Integrated Diagnosis and Treatment**

Old code 18361.3 credit points
Offered: July. **Prerequisite:** Radiographic Practice 3 MRTY 3063 (18363) or Nuclear Medicine 3A MRTY 3070 (18370) or Radiation Therapy3A MRTY 3075 (18375).

This unit of study will enable the student to gain an understanding of the interrelationship of imaging and treatment paradigms for selected regions of the body and disease processes. The regions addressed will be the central nervous system, the gastrointestinal tract, skeletal system, thyroid, breast and chest. The processes discussed will be specific to a region.

MRTY 3062 **Radiographic Physics 3A**

Old code 18362.3 credit points
Mr Don McLean
Offered: February. **Prerequisite:** Radiographic Physics 2 MRTY 2060 (18260) Introductory Radiation Biology and Protection MRTY 2057 (18257) Radiographic Practice 2 MRTY 2061 (18261). Corequisite: Image Processing MRTY 3059 (18359). Classes: 2 hours per week on campus. Assessment: Practicals/examinations.
Upon completion of this unit the student will have been introduced to the principles of NMR and the operation principles of an MRI unit. A range of digital and non digital radiographic specialist equipment will be exmained in terms of operational principles, quality assurance and radiation does implications.
Practical: + 2 hours per week.

Textbooks

1. Christensen's Physics of Diagnositic Radiology. Curry, T.S., Dowdey, J.E, & Murrary, R.C. Lea & Febiger
2. The MRI Manual. Lufkin, R.B. Year Book Medical Publishers

MRTY 3063 **Radiographic Practice 3**

3 credit points
Ms Sarah Lewis
Offered: February. **Prerequisite:** Radiographic Practice 2 MRTY 2061 (18261). **Corequisite:** Clinical Education 3A MRTY 3066 (18366).

This unit of study will build upon the regions taught in Radiographic Practice IA, IB & 2 by expanding on the radiography required for traumatised, paediatric or geriatric patients. The unit incorporates specialised procedures such as contrast examinations, CT, Angiography and MRI, as used in the diagnosis of the patient's disease process or extent of injury. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project MRTY 3060 (18360) in semester 2.

MRTY 3064 **Sonography A**

Old code 18364. 3 credit points
Offered: February.

This unit examines the principles of common applications of diagnostic ultrasound. Physical principles of ultrasound and cross-sectional anatomy are incorporated into the application of the real time sonographic examination, particularly in the areas of the abdomen, and obstetrics and gynaecology.

MRTY 3065 **Radiographic Pathology 2**

Old code 18365.3 credit points
Mr John Robinson
Offered: February. **Prerequisite:** Radiographic Pathology 1 MRTY 2062 (18262). **Corequisite:** Radiographic Practice 3 MRTY 3063 (18363).

This unit of study will introduce the student to the radiographic manifestations of disease processes such as neoplasms, abnormalities of the respiratory and central nervous system, emergency trauma radiology and congenital disorders, malformations and diseases in the paediatric patient.

MRTY 3066 **Clinical Education 3A**

Old code 18366.3 credit points
Ms Sarah Lewis
Offered: February. Prerequisite: Clinical Education 2A MRTY 2063 (18263) Radiographic Practice 2 MRTY 2061 (18261). Corequisite: Radiographic Practice 3 MRTY 3063 (18363).
This unit of study comprises 4 weeks of clinical practicum prior to the commencement of semester 1. This block is designed to allow the students to broaden their exposure to specialised examinations and modalities. Particular emphasis is placed on the modification and adaptation of techniques to accommodate the special limitations encountered in severely traumatised and debilitated patients. Development of lifelong learning and professional skills are encouraged.
Practical: Clinical Centres.

MRTY 3067 **Radiographic Physics 3B**

Old code 18367. 3 credit points
Mr Don McLean
Offered: July. Prerequisite: Radiographic Physics 3A MRTY 3062 (18362) Introductory Radiation Biology and Protection MRTY 2057 (18257) Radiographic Practice 3 MRTY 3063 (18363). Classes: On Campus 2 hrs/week. Assessment: Practicals/examinations.
Upon completion the student will have been introduced to a range of digital radiographic equipment including those designed for special procedures. Quality assurance and radiation protection principles and practice have been extended.
Practical: + 2 hours per week for 6 weeks.

Textbooks

Christensen's Physics of Diagnositic Radiology by Curry, T.S., Dowdey, J.E, & Murrary, R.C. Lea & Febiger
The MRI Manual by Lufkin, R.B. Year Book Medical Publishers

MRTY 3068 **Clinical Education 4A**

Old code 18368. 3 credit points
Ms Sarah Lewis
Offered: July. Prerequisite: Clinical Education 3A MRTY 3066 (18366) Radiographic Practice 3 MRTY 3063 (18363).
This unit of study comprises of 5 weeks of clinical practicum. This clinical practicum allows for completion of any outstanding clinical compentencies. This block is also designed to allow students to broaden their exposure to specialised examinations and modalities. Particular emphasis is placed on the modification and adaptation of techniques to accommodate the special limitations encountered in severely traumatised and debilitated patients. Development of lifelong learning and professional skills are encouraged. On completion of this unit of study students should be competent in the understanding, knowledge and skills underpinning radiographic procedures as defined by the profession for a "beginning practitioner".
Practical: Clinical Centres.

MRTY 3069 **Nuclear Medicine Physics 3**

Old code 18369. 3 credit points
Offered: February. Prerequisite: Nuclear Medicine Physics 2 MRTY 2064 (18264) Introductory Radiation Biology and Protection MRTY 2057 (18257). Corequisite: Image Processing MRTY 3059 (18359).
This unit of study provides advanced understanding of various aspects of nuclear medicine technology systems. It gives the student a comprehensive review of gamma camera specifications, quality control, positron emission tomography (PET) devices and magnetic resonance imaging. The unit of study concludes with a review of recent developments in instrumentation.

MRTY 3070 **Nuclear Medicine 3A**

Old code 18370. 6 credit points
Mr Simon Cowell
Offered: February. Prerequisite: Nuclear Medicine 2 MRTY 2065 (18265) Clinical Education 2B MRTY 2067 (18267). Corequisite: Clinical Education 3B MRTY 3071 (18371). Classes: On Campus. Assessment: Class tests, assignments, exam.
This unit of study examines the application of radionuclides and imaging procedures to the investigation of the endocrine system of the body. The nuclear medicine procedures of infection and tumour localisation, therapy and in vivo tracer studies complement the body systems imaging. The unit of study will introduce methods for planning research. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project (MRTY 3060) in semester 2.
Practical: Web based learning, hot laboratory.

MRTY 3071 **Clinical Education 3B**

Old code 18371. 3 credit points
Mr Peter Kench
Offered: February. **Prerequisite:** Clinical Education 2B MRTY 2067 (18267). **Corequisite:** Nuclear Medicine 3A MRTY 3070 (18370). **Classes:** Clinical placements. **Assessment:** Oral test, presentation, clinical assessment.

This unit of study provides the student with a structured program of clinical experience. The program aims to develop the student's skills and applied knowledge to attain a level of proficiency adequate for entry to the Nuclear Medicine profession.
Practical: Clinical placements.

MRTY 3072 **Nuclear Medicine 3B**

Old code 18372. 6 credit points
Mr Simon Cowell
Offered: July. **Prerequisite:** Nuclear Medicine 3A MRTY 3070 (18370). **Corequisite:** Clinical Education 4B MRTY 3073 (18373). **Classes:** On Campus. **Assessment:** Research project, exam.
This unit of study examines the application of radionuclides and imaging procedures to the investigation of the neurological system, paediatrics and positron emission tomography. The nuclear medicine procedures of radioimmunoassay complement the body systems imaging. Recent advances in Nuclear Medicine techniques will also be examined. It also provides a study of physiological pathways that are fundamental to an understanding of design and use of radiopharmaceuticals.
Practical: Web based learning, hot laboratory.

MRTY 3073 **Clinical Education 4B**

Old code 18373. 3 credit points
Mr Peter Kench
Offered: July. **Prerequisite:** Clinical Education 3B MRTY 3071 (18371) Nuclear Medicine 3A MRTY 3070 (18370). **Classes:** Clinical Placements. **Assessment:** Written assignments, clinical assessment.

This unit of study provides the student with a structured program of clinical experience. The program aims to develop the student's skills and applied knowledge to attain a level of proficiency adequate for entry to the Nuclear Medicine profession.
Practical: Clinical placements.

MRTY 3074 **Radiation Therapy Physics 3**

Old code 18374. 3 credit points
Ms Natalka Suchowerska
Offered: February. **Prerequisite:** Radiation Therapy Physics 2 MRTY 2068 (18268) Introductory Radiation Biology and Protection MRTY 2057 (18257) Radiation Therapy 2 MRTY 2069 (18269). **Corequisite:** Image Processing MRTY 3059 (18359). Classes: On Campus. **Assessment:** Practicals/assignment/examination.
Practical: Extra hours per week.
Textbooks
1. Physics of Radiation Therapy. Khan, F.M. (1989). Williams & WilMns
2. Levitt & Tapley's Technological Basis of Radiation Therapy. Levine, S., Khan, R, Potish, R., (eds.). (1992). Lea & Febiger
3. The Physics of Radiotherapy X-rays from Linear Accelerators. Metcalfe, P., Kron, T. & Hoban, P. Medical Physics Publishing

MRTY 3075 **Radiation Therapy 3A**

Old code 18375. 6 credit points
Ms Marianne Rinks
Offered: February. **Prerequisite:** Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268) Clinical Education 2C MRTY 2070 (18270). **Corequisite:** Oncology B BIOS 3050 (11343). **Classes:** 6 hours/week. **Assessment:** Written reports, examination.

This unit of study applies the knowledge gained in the year 2 radiation therapy and physics units, to more complex routine radiation therapy procedures. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi field techniques of the thorax, breast and lymphatic regions. Advances in radiation therapy planning will be addressed. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project (MRTY 3060) in semester 2.
Textbooks
1. The Physics of Radiation Therapy (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 3076 **Clinical Education 3C**

Old code 18376. 3 credit points
Ms Marriane Rinks
Offered: February. **Prerequisite:** Radiation Therapy 2 MRTY 2069 (18269) Medical Ethics and Professional issues MRTY 2059 (18259) Clinical Education 2C MRTY 2070 (18270). **Assessment:** Continuous Assessment/ Reports/ Objective Structural Clinical Examinations (OSCE).

This is the third of four units of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and further developed in the clinical setting.
Practical: 35 hours/week x 5 weeks.

MRTY 3077 **Radiation Therapy 3B**

Old code 18377. 6 credit points
Ms Marianne Rinks
Offered: July. **Prerequisite:** Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268). **Corequisite:** Clinical Education 4C MRTY 3079 (18379). Classes: 6 hours/week. Assessment: Written reports, examination.
This unit of study applies the knowledge gained in the year 2 radiation therapy and physics units, to more complex routine radiation therapy procedures. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi field techniques of the thorax, breast and lymphatic regions. Advances in radiation therapy planning will be addressed. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project MRTY 3060 (18360) in semester 2.
Textbooks
1. The Physics of Radiation Therapy (4th ed). Khan, F.M. (1994). Baltimore: Williams & WilMns.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 3078 **Seminars in Radiation Therapy**

Old code 18378. 3 credit points
Mr John Atyeo & Ms Natalka Suchowerska
Offered: July. **Prerequisite:** Radiation Therapy 3A MRTY 3075 (18375). **Assessment:** Participation, contract, assignment.
This unit of study gives students the opportunity to investigate specialised and non-routine radiation therapy procedures/Topic areas may include radiation therapy treatment, simulation, planning, physics, dosimetry, innovative treatment techniques and patient support. Core topics will be set by lecturing staff, and students may suggest topics of special interest to themselves.
Textbooks
Library resources

MRTY 3079 **Clinical Education** 4C

Old code 18379. 3 credit points
Ms Marianne Rinks
Offered: July. **Prerequisite:** Radiation Therapy 3A MRTY 3075 (18375). **Assessment:** TBA.

This is the final unit of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and further developed in the clinical setting.

MRTY 3080 Seminars in Diagnostic Radiography

Old code 18380. 3 credit points
Offered: July.

This unit of study aims to encourage discussion of issues relating to diagnostic radiography as a profession. Critical thinking and reflection will be facilitated through the reading of relevant literature, seminar presentation and discussion. Topics will range from the development of the role of the radiographer and models of practice to the wider issues of the context of diagnostic radiography within the history of medical science. Topical issues of concern to the profession will also be discussed. There will be limitations on enrolment in this elective to ensure small group discussion.

MRTY 3081 Interventional Radiography

Old code 18381. 3 credit points
Offered: July.

This unit of study investigates interventional radiography. Interventional radiography is the branch of medicine in which disease is treated nonoperatively. Interventional procedures include angioplasty, chemoembolization, needle biopsy, ovarian vein embolisation, TIPS (transjugular intrahepatic portosystemic shunt), vena caval filters, varicella embolisation, fallopian tube catheterisation, thrombolysis, central venous access, gastrostomy and drainage of collections.

MRTY 3082 Management Skills for Health Professionals

Old code 18382. 3 credit points
Offered: July. **Classes: TBA. Assessment:** TBA.

The unit of study provides students with a fundamental understanding of quality improvement processes in the health care system. This unit of study includes both technical aspects of quality control and assurance and staff /customer satisfaction appraisal.

MRTY 3083 Sports Injury Imaging

Old code 18383. 3 credit points
Offered: July. **Assessment:** TBA.

This unit of study will require the student to investigate how general radiographic techniques are used as a diagnostic tool for common sport injuries. The student will investigate a range of common sport injuries and investigate various treatment schemes for the various injuries. The student will investigate the role of diagnostic radiography in these schema.

MRTY 3084 Paediatric Radiography

Old code 18384. 3 credit points
Offered: July.

In this unit of study students will acquire theory and clinical applications in the area of special paediatric procedures. Imaging protocols and identification of related anatomy and pathology will be emphasised. Normal skeletal maturation will be outlined.Seminars in Diagnostic Radiography

MRTY 3085 Operating Suite Radiography

Old code 18385. 3 credit points
Offered: July.

Students will extend their professional development in the area of operating suite examinations through both theoretical and clinical instruction. Areas will include surgical procedures such as orthopaedics, gastro-intestinal, cardiac, and vascular imaging.

MRTY 3086 Functional Brain Imaging

Old code 18386. 3 credit points
Offered: July. **Classes:** TBA. **Assessment:** TBA.

This unit of study will provide the student with an overview to the imaging techniques associated with imaging the various sensory, motor and cognitive centres of the brain.

MRTY 3087 Medical Radiation Sciences Physics Elective*

Old code 18387. 3 credit points
Offered: July. **Prerequisite:** Radiation Physics 3 MRTY 3062 (18362) or Nuclear Medicine Physics 3 MRTY 3069 (18369) or Radiation Therapy Physics 3 MRTY 3074 (18374).

A study of the current technological applications of physics-based procedures to medical radiation science.

- Subject to availability

MRTY 3088 Sonography B

Old code 18388. 3 credit points
Offered: July.

This unit extends the framework of clinical applications covered in Sonography A to more diverse areas of sonography including small parts and Doppler applications of ultrasound. This unit of study gives students the foundations to develop pathways to the professional practice of sonography.

MRTY 4006 Honours Thesis

Old code 18413. 34 credit points
Ms Ann Poulos
Offered: Full year. Classes: Supervisory arrangement.
Assessment: Examination of Thesis.

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation technology. As part of this and other Honours units, each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor.

In a thesis the following normally occur:

- a proposition is delineated from appropriate literature and theory.
- an empirically evaluated hypothesis is derived from the proposition which defines the data to be tested
- methodologies for testing the data are discussed
- an appropriate methodology is selected
- the research is conducted
- the results of the research are analysed and discussed

Practical: Fieldwork required to complete project.

MRTY 4011 Research in Medical Radiations 2

Old code 18419.1 credit point
Mr Simon Cowell
Offered: July. **Classes:** On Campus 1 hr/week. **Assessment:** Continuous assessment.

Computer skills will be developed in a practical manner for statistics, spreadsheet and data presentation packages. Individual consultation will be provided for problems related to the statistics of students' research projects. Document creation/display and word processing skills will also be developed.

MRTY 4017 **Honours Workshop A**

Old code 18426. 2 credit points
Ms Ann Poulos
Offered: February. **Classes:** On Campus 2hrs/week. **Assessment:** Continuous assessment.

This workshop is designed to assist Honours students with the development of their individual research projects. Students are encouraged to develop an understanding of the nature of the knowledge and methodology they are using in their research.
Practical: N/A.

MRTY 4018 Honours Workshop B

Old code 18427. 2 credit points
Offered: July. Classes: On Campus 2hrs/week. **Assessment:** Continous assessment.

This workshop continues the development of individual Honours Theses through an emphasis on written presentation skills.
Practical: N/A.

MRTY 4020 Research in Medical Radiations 1A

Old code 18429.1 credit point
Ms Natalka Suchowerska
Offered: February. Classes: On Campus 2hrs/week. **Assessment:** Continuous assessment/assignment.

This unit helps the student to identify research possibilities in the professional area of medical radiation sciences. Students will develop the ability to critically analyse journal articles, and compile a literature review and research proposal.

MRTY4021 Research in Medical Radiations 1B

Old code 18430. 2 credit points
Ms Natalka Suchowerska
Offered: July. **Classes:** On Campus 2hrs/week. **Assessment:** Continuous assessment/assignment.
This unit helps the student to identify research possibilities in the professional area of medical radiation technology. Students will develop the ability to critically analyse journal articles, and compile a literature review and research proposal.

CHAPTER 12

School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences currently offers three undergraduate degree programs: Bachelor of Applied Science (Occupational Therapy), Bachelor of Applied Science (Leisure and Health) and Bachelor of Health Science (Occupational Therapy). The School also provides a number of postgraduate programs.

The School of Occupation and Leisure Sciences was known as the School of Occupational Therapy until 1998 and was a foundation school of Cumberland College of Health Sciences when it was established in 1973. Prior to that year, the education of occupational therapists in NSW was the responsibility of the NSW Association of Occupational Therapists. The first training program commenced in 1941.

One of the first undertakings of the School was to raise the level of the occupational therapy course from diploma to degree in line with other occupational therapy courses in Australia. The Bachelor of Applied Science (Occupational Therapy) was introduced in 1976 with an Honours option becoming available from 1991. The school was instrumental in setting up a Diploma in Occupational Therapy in Singapore in 1991 and in 1996 the Bachelor of Health Science (Occupational Therapy) was developed to enable diplomates to convert to a degree.

In 1985, the School introduced the Associate Diploma in Diversional Therapy, the first formal education for diversional therapists in Australia. Prior to 1985, the Australian Red Cross and the Diversional Therapy Association provided training and education.

In recognition of the need for a higher level of education for diversional therapists and other leisure service practitioners, the level of the course was raised to the Bachelor of Applied Science (Diversional Therapy) in 1995. To reflect the diversity of graduates' career opportunities, the name Bachelor of Applied Science (Diversional Therapy) was changed to Bachelor of Applied Science (Leisure and Health) in 1997. An Honours program was also introduced at this time. A course offered through a flexible delivery mode was introduced in 1999.

The School has developed a range of postgraduate study options. Programs includes PhD level studies, a research Master's degree and an articulated coursework program which culminates in a Master's degree. The graduate program includes Graduate Certificates which focus on specialty areas of practice in occupational therapy.

The School introduced the two year Master of Occupational Therapy in 1998. This program is an alternative professional pathway for people holding degrees in other areas of study and an alternative to the undergraduate occupational therapy degree. This professional Master's degree is the first of its kind in the southern hemisphere.

Further information about the School's programs may be obtained from the School on (02) 9351 9386.

Bachelor of Applied Science (Leisure and Health)

Access to pleasureable leisure experiences is the right of everyone in society. Leisure experiences have been proven to add to a person's life satisfaction and to their personal growth. This degree program prepares graduates to work with individuals and groups of people who require support to be able to participate in leisure and recreation activities. Graduates work in a variety of health and community settings under titles such as program coordinator, diversional therapist, community recreation coordinator, social and health educator and peer support worker. Clients range from children to older adults coming from a wide range of ethnic and cultural backgrounds. Leisure and health professionals work in a variety of settings such as hospitals, rehabilitation units, after school and vocation care centres, psychiatric units, outdoor recreation programs, aged care facilities, palliative care units, day centres, remand centres and gaols and organisations for people with disabilities.

Thirteen weeks of Professional Practice is spread over the three years of the program. Professional Practice is divided into four blocks and students are encouraged to select a program that gives them experience with working with different client groups in a range of centres. A typical program of placement could include experiences with aged people in a hostel, young people with disabilities, program coordination in a government department, a camp for children with arthritis and working with people with a mental illness. At least one placement must be with older people and one with people with a disability.

Admission requirements (full-time mode)

There are no specific prerequisites to the Bachelor of Applied Science (Leisure and Health) courses. The general admission requirements in Chapter 3 apply. However prospective students would benefit from undertaking 2 unit Chemistry, or 3 or 4 unit Science at HSC level.

Admission requirements (off-campus/flexible mode)

Admission to this course is available to those applicants who are of mature age and who have at least one year work experience in a related field. Applicants are required to fill in an application form available from Cumberland Campus Student Administration Services.

Course outline

The course outline for the Bachelor of Applied Science (Leisure and Health) is presented in Tables 12.1, 12.1.1 and 12.1.2.

Honours program

For information specific to the Leisure and Health Honours Program students are advised to contact the Honours Course Coordinator. Students commence the Honours Program in second semester of third year and complete an additional year in which a research project is undertaken and a thesis written. See Table 12.1.1 for course outline.

Table 12.1: Bachelor of Applied Science (Leisure and Health)

Course code	Mode of offer
1531	Pass Course; Full-time, 3 years
1533	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass course				
Year 1				
BACH 1098	(25181)	Introduction to Health Sociology	5	-
BACH 1099	(25182)	Psychology I	-	5
BACH 1100	(25183)	Sociology of Community and Family	-	3
BIOS 1106	(111B5)	Biological Sciences IA	4	-
BIOS 1107	(111B6)	Biological Sciences IB	-	4
OCCP 1053	(15154)	Australian Healthcare Services	4	-
OCCP 1054	(15155)	Leisure in Australia	4	-
OCCP 1055	(15156)	Introduction to Leisure and Health	4	-
OCCP 1056	(15157)	Management and Leadership	-	4
OCCP 1057	(15158)	Creative Arts in Recreation	-	4
OCCP 1058	(15159)	Programming for Children and Adolescents	-	4
OCCP 1059	(15160)	Professional Practice I: Communication Skills	3	-
		Stage total (48 credit points for Year 1)	24	24
Year 2				
BACH 1031	(25 UK)	Clients, Practitioners and Organisations	3	-
BACH 2113	(25289)	Psychology of Disability I	4	-
BACH 2114	(25290)	Psychology of Disability II	-	4
BACH 2115	(25291)	Research Methods I	-	3
BIOS 2084	(112D9)	Biological Sciences IIA	2	-
BIOS 2085	(112E0)	Biological Sciences IIE	-	2
OCCP 2053	(152B1)	Contemporary Issues in Healthcare	-	3
OCCP 2058	(152B6)	Social Psychology of Leisure	3	-
OCCP 2059	(152B7)	Learning Processes and Leisure Education	3	-
OCCP 2060	(152B8)	Diversional Therapy and the Ageing Population	3	-
OCCP 2061	(152B9)	Client Groups I	-	4
OCCP 2062	(152C0)	Program Design and Evaluation	-	4
OCCP 2063	(152C1)	Professional Practice II: Skill Development (includes 105 hours intersemester and a 35 hour camp)	6	4
		Stage total (48 credit points for Year 2)	24	24
Year3				
BACH 3059	(25357)	Research Methods II	2	-
BACH 3060	(25358)	Sociology of the Aged and Ageing	-	3
BACH 3061	(25359)	Psychology II	-	4
BIOS 3042	(11397)	Biological Sciences IIIA	2	-
BIOS 3043	(11398)	Biological Sciences IIIB	-	2
OCCP 3050	(15393)	Professional Communication and Guidance	3	-
OCCP 3051	(15394)	Outdoor Recreation and Education	-	3
OCCP 3052	(15395)	Research Project in Leisure and Health	-	4
OCCP 3053	(15396)	Client Groups II	-	3
OCCP 3054	(15397)	Professional Practice III: Mastery and Research	17	5
		Stage total (48 credit points for Year 3)	24	24

Table 12.1.1: Bachelor of Applied Science (Leisure and Health) Honours

Course code	Mode of offer
1533	Honours Program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Years 1 and 2				
As per Pass program (Table 12.1)				
Year 3				
BACH 1118	(2511R)	Research Methods II: Data Analysis and Statistics	-	3
BACH 3061	(25359)	Psychology II	-	4
BACH 3082	(25380)	Sociology of the Aged and Ageing	3	-
BIOS 3042	(11397)	Biological Sciences IIIA	2	-
BIOS 3043	(11398)	Biological Sciences IIIB	-	2
OCCP 3029	(15378)	Honours Research Seminar I	-	3
OCCP 3050	(15393)	Professional Communication and Guidance	3	-

Unit code	(old code)	Unit name	Sem 1	Sem 2
OCCP 3051	(15394)	Outdoor Recreation and Education		3
OCCP 3053	(15396)	Client Groups II		3
OCCP 3054	(15397)	Professional Practice III: Mastery and Research	17	5
		Stage total (48 credit points for Year 3)	25	23
Year 4				
OCCP 4019	(15442)	Honours Research Seminar II	2	2
OCCP 4043	(154A8)	Honours Thesis	19	22
		Research elective*	3	
		Stage total (48 credit points for Year 4)	24	24

*Honours students in consultation with their supervisor, elect to take the Research elective in either year 3 or year 4.

Table 12.1.2: Bachelor of Applied Science (Leisure and Health) off-campus mode

Course code: 1541 — Mode of offer: Off-campus/Flexible mode

Pass course; Part-time, 6 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
BACH 1098	(2518IX)	Introduction to Health Sociology	-	5
BIOS 1106	(111B5X)	Biological Sciences 1A	-	4
OCCP 1054	(15155X)	Leisure in Australia	4	-
OCCP 1055	(15156X)	Introduction to Leisure and Health	4	-
OCCP 1057	(15158X)	Creative Arts in Recreation (Advanced Standing*)	4	-
OCCP 1058	(15159X)	Programming for Children and Adolescents	-	4
		Stage total (25 credit points for Year 1)	12	13
Year 2				
BACH 1099	(25182X)	Psychology I	5	-
BACH 1100	(25183X)	Sociology of Community and Family	-	3
BIOS 1107	(111B6X)	Biological Sciences IB	-	4
OCCP 1053	(15154X)	Australian Healthcare Services (Advanced Standing*)	4	-
OCCP 1056	(15157X)	Management and Leadership	4	-
OCCP 1059	(15160X)	Professional Practice I: Communication Skills (Advanced Standing*)	-	3
		Stage total (23 credit points for Year 2)	13	10
Year 3				
BACH 2113	(25289X)	Psychology of Disability I	4	-
BACH 2114	(25290X)	Psychology of Disability II	-	4
BACH 2115	(25291X)	Research Methods I	-	3
OCCP 2059	(152B7X)	Learning Processes and Leisure Education	3	-
OCCP 2060	(152B8X)	Diversional Therapy and the Ageing Population	-	3
OCCP 2062	(152C0X)	Program Design and Evaluation	4	-
		Stage total (21 credit points for Year 3)	11	10
Year 4				
BACH 1031	(2511KX)	Clients, Practitioners and Organisations	-	3
BIOS 2084	(112D9X)	Biological Sciences IIA	2	-
BIOS 2085	(112E0X)	Biological Sciences IIB	-	2
OCCP 2053	(152B1X)	Contemporary Issues in Healthcare (Block Mode)	3	-
OCCP 2058	(152B6X)	Social Psychology of Leisure	3	-
OCCP 2061	(152B9X)	Client Groups 1	-	4
OCCP 2063	(152C1X)	Professional Practice II: Skill Development (Advanced Standing*)	-	10
		Stage total (27 credit points for Year 4)	8	19
Year 5				
BACH 3059	(25357X)	Research Methods II	2	-
BACH 3060	(25358X)	Sociology of the Aged and Ageing	-	3
OCCP 3044	(15398X)	Professional Practice III: Mastery and Research (across Semesters 9-12)	5	6
OCCP 3050	(15393X)	Professional Communication and Guidance (Block Mode)	3	-
OCCP 3051	(15394X)	Outdoor Recreation and Education (Block Mode)	3	-
OCCP 3053	(15396X)	Client Groups II	-	3
		Stage total (25 credit points for Year 5)	13	12

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 6				
BACH 3061	(25359X)	Psychology II	4	-
BIOS 3042	(11397X)	Biological Sciences IIIA	2	-
BIOS 3043	(11398X)	Biological Sciences IIIB	-	2
OCCP 3045	(15399X)	Professional Practice III	5	6
OCCP 3052	(15395X)	Research Project in Leisure and Health	-	4
		Stage total (23 credit points for Year 6)	11	12

*Students will be given advanced standing in these subjects in recognition of their workplace experience.

Bachelor of Applied Science (Occupational Therapy)

Occupational Therapy involves a study of human occupations in the areas of self-care, productivity, leisure, and rest and the management of the adaptive behaviour required to perform occupational roles or activities. This study of human occupations entails analysis of activities or occupations and knowledge of the cognitive, sensory-motor, biomechanical, and psychosocial processes required to perform activities or occupations. The practice of occupational therapy applies knowledge of occupations and human processes to help people develop adaptive behaviours so that they may manage and interact with their environment.

Occupational therapists work with people whose occupational performance has been threatened or impaired by developmental deficits, the ageing process, physical injury or illness, and psychological or social disability. Occupational therapists work in health care and community settings, educational facilities, work environments and as private practitioners.

Admission requirements

There are no specific admission requirements to the Bachelor of Applied Science (Occupational Therapy). Please refer to the General Admission Requirements in Chapter 3.

Course outline

The course outlines for the Bachelor of Applied Science (Occupational Therapy) are presented in Tables 12.2 and 12.2.2.

Honours program

For information specific to the Occupational Therapy Honours program students are advised to contact the Honours Course Coordinator.

The Occupational Therapy Honours program includes the first four semesters of the Pass program followed by four semesters when the student is specifically enrolled in the Honours Program. See Table 12.2.1 for course outline.

In order for honours students to have adequate time to pursue their research studies a number of modifications include internal exemptions and tutorial group flexibility in Year 3 and Year 4 units of study, and timetabling flexibility for Fieldwork Education IV. Students undertake Fieldwork Education IV at a suitable time in relation to their research studies and in consultation with their supervisor and the Fieldwork Subject Manager.

Table 12.2: Bachelor of Applied Science (Occupational Therapy)

Course code	Mode of offer			
1519	Pass Course; Full-time, 4 years			
Year 4 (last offered in 2001)				
BACH 4033	(25432)	Psychology of Adulthood and Ageing	2	-
BACH 4034	(25433)	Social Psychology	2	-
BACH 4035	(25434)	Sociology Elective	2	-
EXSS 4001	(22401)	Applied Physiology	4	-
OCCP 4026	(15460)	Human Occupations IV	4	-
OCCP 4027	(15461)	Components of Occupational Performance IV	4	-
OCCP 4029	(15463)	Evaluation of Occupational Therapy Programs	1	2
OCCP 4030	(15464)	Fieldwork Education IV	2	20
OCCP 4041	(154A6)	Occupational Therapy Theory and Process IVA	1	2
OCCP 4042	(154A7)	Occupational Therapy Theory and Process IVB	2	-
		Stage total (48 credit points for Year 4)	24	24

Table 12.2.1: Bachelor of Applied Science (Occupational Therapy) Honours

Course code	Mode of offer			
1520	Honours Program; Full time, 4 years			
Year 4 (last offered in 2001)				
BACH 4033	(25432)	Psychology of Adulthood and Ageing	2	-
BACH 4034	(25433)	Social Psychology	2	-
BACH 4035	(25434)	Sociology Elective	2	-
EXSS 4001	(22401)	Applied Physiology	4	-
OCCP 4019	(15442)	Honours Research Seminar II	2	2
OCCP 4023	(15445)	Honours Thesis	10	12
OCCP 4040	(154A5)	Human Occupations IV (Honours)	2	-
OCCP 4044	(154A9)	Fieldwork Education IV (Honours)	6	16
		Stage total (60 credit points for Year 4)	30	30

Table 12.2.2:: Bachelor of Applied Science (Occupational Therapy)

Course code	Mode of offer			
1542	Pass Course; Full-time, 4 years			
1543	Honours Program; Full-time, 4 years			
Unit code	(old code)	Unit name	Sem 1	Sem 2
Pass Course				
Year 1				
BACH 1029	(25111)	Introduction to Health Sociology	3	-
BACH 1087	(25170)	Introductory Psychology	3	-
BACH 1088	(25171)	Cognitive Functioning	-	2
BIOS 1069	(11177)	Musculoskeletal Anatomy	2	2
BIOS 1114	(111D0)	Introductory Biomedical Sciences	3	-
BIOS 1115	(111D1)	Body Function in Health and Disease	-	3
OCCP 1035	(15136)	Human Occupations IA	2	-
OCCP 1036	(15137)	Human Occupations IB	-	3
OCCP 1037	(15138)	Components of Occupational Performance IA	4	
OCCP 1038	(15139)	Components of Occupational Performance IB	-	4
OCCP 1060	(15161)	Occupational Therapy Theory and Process IA	3	-
OCCP 1061	(15162)	Occupational Therapy Theory and Process IB	-	2
OCCP 1062	(15163)	Occupations and Roles Across the Lifespan IA	2	-
OCCP 1063	(15164)	Occupations and Roles Across the Lifespan IB	-	2
OCCP 1064	(15165)	Professional Practice I	1	3
		Electives*	-	4
		Stage total (48 credit points for Year 1)	23	25

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 2				
BACH 2041	(2521U)	Psychopathology and Behaviour Change	3	-
BACH 2042	(2521V)	Clients, Work and Organisations	-	3
BACH 2043	(2521W)	Social and Health Psychology	-	2
BACH 2102	(25278)	Research Methods I: Design	4	-
BIOS 2091	(112E8)	Neurobiology I	5	-
BIOS 2092	(112E9)	Neurobiology II	-	3
EXSS 2015	(22215)	Kinesiology for Occupational Therapy	-	3
OCCP 2041	(15297)	Human Occupations IIA	3	-
OCCP 2042	(15298)	Human Occupations IIB	-	3
OCCP 2043	(15299)	Components of Occupational Performance IIA	3	-
OCCP 2044	(152A1)	Components of Occupational Performance IIB	-	3
OCCP 2045	(152A2)	Occupational Therapy Theory and Process IIA	3	-
OCCP 2046	(152A3)	Occupational Therapy Theory and Process IIB	-	2
OCCP 2071	(152C2)	Professional Practice II	1	4
OCCP 2072	(152C3)	Occupations and Roles Across the Lifespan II	2	-
		Stage total (47 credit points for Year 2)	24	23
***Year** 3 (first offered in 2001)*				
BACH 3094	(25392)	Health Policy and Service Delivery	-	3
EXSS 3019	(22319)	Applied Physiology	-	3
OCCP 3030	(15379)	Human Occupations III	-	2
OCCP 3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP 3055	(153A0)	Occupations and Roles Across the Lifespan III	-	2
OCCP 3056	(153A1)	Professional Practice III	24	1
OCCP 3057	(153A2)	Components of Occupational Performance III	-	3
		Electives*	-	8
		Stage total (49 credit points for Year 3)	24	25
***Year 4** (to be first offered in 2002)*				
		Professional Electives (three electives + 8 credit points each)	24	
OCCP 4051	(154B4)	Professional Practice IV	-	24
		Stage total (48 credit points for Year 4)	24	24

Table 12.2.3: Bachelor of Applied Science (Occupational Therapy) Honours

Course code	Mode of offer
1543.	Honours Program; Full-time; 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Honours Program				
Years land 2				
As per Pass Program (Table 12.2.2)				
***Year** 3 (first offered **in** 2001)*				
BACH 3094	(25392)	Health Policy and Service Delivery	-	3
EXSS 3019	(22319)	Applied Physiology	-	3
OCCP 3029	(15378)	Honours Research Seminar I	-	3
OCCP 3030	(15379)	Human Occupations III	-	2
OCCP 3032	(15381)	Occupational Therapy Theory and Process III	-	3
OCCP 3055	(153A0)	Occupations and Roles Across the Lifespan III	-	2
OCCP 3056	(153A1)	Professional Practice III	24	1
OCCP 3057	(153A2)	Components of Occupational Performance III	-	3
		Research Elective[1]	-	3
		Electives[2]	-	1
		Stage total (48 credit points for Year 3)	24	24
***Year 4** (to be first offered in 2002)*				
OCCP 4019	(15442)	Honours Research Seminar H	2	2
OCCP 4052	(154B5)	Professional Practice TV (Hons)	12	12
OCCP 4054	(154B7)	Honours Thesis	10	10
		Stage total (48 credit points for Year 4)	24	24

Notes to Table 12.2.2

1. Honours students, in consultation with their supervisor, elect to take one Research Elective only in either year 3 or year 4.
2. Students choose units of study to the value of 12 credit points during the first three years of the course. (The units of study are chosen from outside the Occupational Therapy Undergraduate Course).

Professional practice

Professional Practice is an integral part of the occupational therapy and leisure and health programs offered by the School of Occupational Therapy. Fieldwork education may consist of block placements and other guided learning experiences. These experiences provide students with an opportunity to practise skills and take responsibility commensurate with their background knowledge and level of development, acquired during the course. Fieldwork block placements are periods of two to ten weeks where students attend a setting five days a week full time for approximately 37.5 hours per week. The placements occur during semester time and during recess periods, at all levels of the courses and are located in both metropolitan and country facilities.

Leisure and Health fieldwork

Fieldwork I + A one week block placement in the inter-semester recess, plus 15 hours of Clinical Practicums spread over Semesters 1 and 2.

Fieldwork II + A three week block placement in the inter-semester recess and a 35 hour weekend camp, scheduled at various times during the year. Comprises 26 hours of Clinical Practicums Semester 1 plus a 3 hour review session Semester 2.

Fieldwork III + During first semester, third year students undertake a nine week field placement. This may be completed in one block at a single facility or broken into two blocks at two different facilities. Students are able to make choices concerning the venue/s of this placement. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervision from placement advisors and the university supervisor. Students utilise learning contracts and have input into the assessment for this subject.

Professional practice dates

Year 1
25-29 June (1 week)
Year 2
2-20 July (3 weeks)
Year3
19 March - 12 April (4 weeks)
23 April - 25 May (5 weeks)

Occupational Therapy professional practice/ fieldwork education

Professional Practice I - Lectures, tutorials and a two week block placement during the inter-semester recess.

Professional Practice II - Lectures, tutorials and a three week block placement (or equivalent) during the inter-semester recess. Placements may also occur at different times of the year.

Professional Practice III - Lectures, tutorials, one six week and one seven week block placement during semester one. Students are required to attend university between placements for professional practice classes.

Fieldwork Education IV - Fieldwork four has three parts. Briefing and debriefing tutorials, an eight week placement and a two week period to be used to gather information from the fieldwork site. This information will contribute to EOTP.

Professioanl practice/fieldwork education dates

Year 1
25 June - 6 July
Year 2
9 July - 27 July (other dates to be confirmed)
Year3
26 February - 4 April AND 30 April - 15 June
Year 4
Pass Course: 6 August - 28 September
Honours Program: 12 November-21 December

Uniforms

Students in the occupational therapy course may need to obtain uniforms to be worn while undertaking hospital placements where uniforms are required. Not all fieldwork sites require students to wear uniforms. Students in the leisure and health course may be required to wear uniforms on some fieldwork placements. A Faculty name badge is required to be worn at all times during fieldwork placements by both occupational therapy and leisure and health students. These badges can be obtained from the Students' Union.

Leisure and Health Students

Women
Blouse: Lemon Shirtmaker
Skirt/Culotte: navy blue
Cardigan/jumper: navy blue
Shoes: closed in, navy blue

Men
Shirt: Lemon Shirtmaker
Trousers: navy blue
Cardigan/jumper: navy blue
Shoes: black

Occupational Therapy Students

Women
Short Sleeved white blouse
Navy blue culotte skirt /Navy blue trousers
Navy blue cardigan/jumper
Navy, black or white, closed shoes

Men
White short sleeves shirt
Navy blue trousers
Navy blue cardigan/jumper
Black or brown shoes

Units of study (Leisure and Health)

BACH 1031 Clients, Practitioners and Organisations

Old code 2511 K/2511KX. 3 credit points
Dr Zakia Hossain
Offered: February, July. Prerequisite: Introduction to Health Sociology BAGH 1098 (25181). Classes: 13 Lectures, 13 Seminars. Assessment: Assignment and examination.
This unit uses sociological perspectives to analyse key interpersonal and organizational aspects of therapy and work in health care settings. The focus will be on client-practitioner relationships and upon the legislative and institutional context of work and health care provision.
Reading book

BACH 1098 Introduction to Health Sociology

Old code 25181/25181X. 5 credit points
Mr Ian Andrews
Offered: February (On Campus), July (Off Campus). Prohibition: Higher Level Units of Sociology. Classes: On Campus 3 hours/ week, Off Campus. Assessment: Assessments and examination.
This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Textbooks
Selected readings (reader)

BACH 1099 Psychology I

Old code 25182/25182X. 5 credit points
Ms Karen Pepper
Offered: February, July. **Classes:** On Campus 3 hours/week, Off Campus. **Assessment:** Seminar presentation or essay, and written examination.
This unit of study provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points
Dr Rosemary Cant
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098 (25181). **Classes:** On Campus 2 hours/week. **Assessment:** Assignments and examination.
This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit.
Textbooks
Manual with key material and references.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points
Offered: July. **Classes:** Flexible learning.
This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships: Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2113 Psychology of Disability I

Old code 25289/25289X. 4 credit points
This unit consists of 2 strands. The first strand introduces students to definitions and classifications of disabilities, community attitudes towards disability, causes of negative attitudes and strategies for changing these, adjustment to disability and issues related to living with a disability. Particular emphasis is given to physical disabilities. The second strand examines behaviour disorders and management, and the application of behavioural techniques to a variety of situations. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, anxiety and depression. An overview of the classification of abnormal behaviour precedes a description of the behavioural management of these conditions.

BACH 2114 Psychology of Disability II

Old code 25290/25290X. 4 credit points
Ms Karen Pepper
Offered: July. Classes: On Campus 4 hours/week, Off Campus. Assessment: Essay, assignment, and written exam.
This unit of study consists of 2 strands. The first strand focuses on development disabilities. Topics will include causes and charateristics, institutionalisation and normalisation, development through the life span, effects on families and community attitudes. The second strand covers principles of cognitive function and information processing related to neurological disorders and cognitive rehabilitation.

BACH 2115 Research Methods I

Old code 25291/25291X. 3 credit points
Ms Karen Pepper
Offered: July. Classes: On campus 3 hours/week, Off Campus. Assessment: Assignments and written examination.
This unit of study introduces students to the conduct of research. The following topics will be covered: characteristics of research in the allied health professions; scientific method and the philosophy of science; qualitative and quantitative research; the development of research questions; research ethics; the formulation of hypotheses and specification of variables; conceptualization and operationalization; sampling issues and techniques; basic issues in research design such as longitudinal and cross-sectional designs, validity and reliability; research designs including experiments, single case design, surveys, interview studies, observation, secondary data analysis and content analysis; the quantification of data; and special research applications in the health sciences such as evaluation research, epidemiology, action research and needs assessment.

BACH 3059 Research Methods II

Old code 25357/25357X. 2 credit points
Ms Karen Pepper
Offered: February. **Prerequisite:** Research Methods 1 BACH 2115 (25291/25291x). **Classes:** On Campus 18 hours in block mode. **Assessment:** Poster or report.
This unit of study will consist of two components. The first component will cover descriptive statistics including measures of central tendency and variability, frequency distributions, visual representations of data, cross-tabulations and correlation. In the second component students will conduct a literature review and a class research exercise based on their fieldwork experience. Students will prepare a report on the research exercise.

Textbooks

Introduction to Research in the Health Sciences. (1995). Polgar, S. and Thomas, S.A.

BACH 3060 **Sociology of the Aged and Ageing**

Old code 25358/25358X. 3 credit points

Prerequisite: Introduction to Health Sociology BEHS 1105 (101C2).

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, maihstreaming and ethno-specific accommodation will be examined.

BACH 3061 **Psychology II**

Old code 25359/25359X. 4 credit points

Dr Steve Cumming

Offered: July. Classes: 1 hour/weeks 1-5,2 hours/weeks 6-13.

This of study consists of two units. The first focuses on the psychology of ageing. The behaviour of older people is examined in the light of psychological theories concerning intellectual, sensory, motor, emotional and social development. Particular attention is given to memory, speed, motivational changes and the consequences of neurological diseases. Common false beliefs about the behaviour of older people are discussed. The importance of social and generational factors in determining individual behaviours is emphasised. The second unit covers topics in social psychology. These topics include behaviour in groups, attitudes and stereotyping, social interaction, conformity and leadership.

Textbooks

Adult Development and Aging. Hoyslip, B & Penek, P. New York: HarperCollins

BACH 3082 **Sociology of the Aged and Aging**

Old code 25380.3 credit points

Dr Rosemary Cant

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

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethnp-specific accommodation will be examined.

BIOS 1106 **Biological Sciences IA**

Old code 111B5/111BX. 4 credit points

Ms Dana Strain

Offered: February, July. **Assessment:** End of semester (2 hour Exam).

This unit of study is an introduction to the systems of the body using the theme of homeostasis and will provide the basis for further study of health and illness.

Textbooks

1. F. Martini. Fundamentals of Anatomy and Physiology. (4th ed). Prentice Hall.
2. Bettleheim F.S. and March J. (5th ed). Introduction to General, Organic and Biochemistry. Saunders College Publishing.

BIOS 1107 **Biological Sciences IB**

Old code 111B6/111B6X. 4 credit points

Ms Dana Strain

Offered: July. **Classes:** TBA. Assessment: Mid-semester Exam, End of Semester Exam.

This unit of study is an introduction to the systems of the body using the theme of homeostasis and will provide the basis for further study of health and illness.

Textbooks

Fundamentals of Anatomy and Physiology. (4th ed). Martini, F. Prentice Hall.

BIOS 2084 **Biological Sciences IIA**

Old code 112D9. 2 credit points

DrPatWeerakoon

Offered: February.

The BIOS 2084 and BIOS 2085 units of study are divided into 4 units. The first two will run in Semester 1. Unit 1 will cover pathophysiology and Unit 2 will be an introduction to the principles of cross infection and the operation of the immune system. Units 3 and 4 will run in Semester 2. Unit 3 will examine the biological processes and changes in the human organism over the lifespan and Unit 4 will be an introduction to basic pharmacological principles and actions of the major drug groups.

BIOS 2085 **Biological Sciences IIB**

Old code 112E0.2 credit points

Dr Elizabeth Hegedus

Offered: July.

The BIOS 2084 and BIOS 2085 units of study are divided into 4 units. The first two will run in Semester 1. Unit 1 will cover pathophysiology and Unit 2 will be an introduction to the principles of cross infection and the operation of the immune system. Units 3 and 4 will run in Semester 2. Unit 3 will examine the biological processes and changes in the human organism over the lifespan and Unit 4 will be an introduction to basic pharmacological principles and actions of the major drug groups.

BIOS 3042 **Biological Sciences MIA**

Old code 11397. 2 credit points

Dr Ron Balnave

Offered: February.

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas"\vill be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

BIOS 3043 **Biological Sciences NIB**

Old code 11398. 2 credit points

Dr Ron Balnave

Offered: July.

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

OCCP1053 **Australian Healthcare Services**

Old code 15154/15154X. 4 credit points

Ms Julie Kruss

Offered: February. **Classes:** On Campus 3 hours/week.

Assessment: Assignment, examination.

This unit of study provides students with an overview of the function and structure of the healthcare system in Australia. Topics studied include: healthcare issues at Commonwealth, State and Local government levels; structures and roles of key service groups; funding arrangements; current trends in the provision of healthcare services; healthcare insurance; and healthcare facilities.

OCCP1054 **Leisure in Australia**

Old code 15155/15155X. 4 credit points

Mr Laurence Bathurst

Offered: February. Classes: On Campus 3 hours/week, Off Campus. Assessment: Assignment, examination.

This unit of study provides an historical and sociological understanding of the evolution of leisure in Australia. Students will consider the influences of Aboriginal and European culture on contemporary Australian culture and leisure and how politics, gender, ethnicity and morality influence the way leisure in experienced today. The unit introduces the principles involved in understanding the various concepts, theories and disciplinary perspectives involved in the study of leisure and more specific principles involved in the study of leisure and health.

Textbooks

Australian Leisure. Lynch Rand Veal, A. J. (1996). Melbourne: Longman

OCCP 1055 Introduction to Leisure and Health

Old code 15156/15156X. 4 credit points
Ms Catherine Rosen
Offered: February. **Classes:** On Campus 3 hours/week, Off Campus. **Assessment:** Assignments.

This unit of study introduces students to models of practice within leisure service provision. Students will gain the knowledge and skills required to carry out individual assessment, to develop personalised leisure plans and to develop appropriate documentation. This will include client assessment, activity analysis, and activity modification. Application of differing models of practice are then applied to specific client groups with cardiovascular, sensory and low energy disorders.

Textbooks

Therapeutic Recreation Program Design: Principles and Procedures. (3rd ed). Peterson, C.A. and Stumbo, N.J. (2000)

OCCP 1056 Management and Leadership

Old code 15157/15157X. 4 credit points
Ms Julie Kruss
Offered: February (Off Campus), July (On Campus). **Classes:** On Campus 3 hours/week, Off Campus. **Assessment:** Assignments.

This unit focuses on specific skills related to program management and leadership skills. Students are provided with opportunities to develop specific skills in event and program management, volunteer management, total quality management and management of conflict and change within the workplace. Students will also learn skills related to effective leadership. They will examine their own leadership skills, learn how to match leadership styles with specific situations to gain maximum effectiveness from the group, and ways to achieve realisation of their goals through effective leadership of others. Documentation related to management of human and physical resources will form part of this unit.

Textbooks

Developing Management Skills in Australia. (1997). Carlopia, J., Andrewartha, G. and Armstrong, H.

OCCP 1057 Creative Arts in Recreation

Old code 15158/15158X. 4 credit points
Mr Laurence Bathurst
Offered: February, July. **Classes:** On Campus 3 hours/week. **Assessment:** Assignments.

This is a very practical unit that introduces students to a variety of visual and performance art activities. Typically these activities include handcrafts, music, drama, dance, storytelling and improvisational games. Students develop and practice their leadership skills by planning and implementing a variety of activities which are taught to their peers as a large group. Issues of participation for individuals within specific groups are a focus of this unit. ■

OCCP 1058 Programming for Children and Adolescents

Old code 15159/15159X. 4 credit points
Mr Hal Davey
Offered: July. **Classes:** On Campus 3 hours/week, Off Campus. **Assessment:** Assignment, examination.

This unit of study is designed to provide a knowledge of the leisure needs of children and adolescents so as to inform the design, development, implementation, and evaluation of recreation programs. Adaptation of programs for young children with special needs is examined and the benefits derived from professionals and families working cooperatively are explored. Observational and child study techniques will be used in designing programs for children. Issues specifically related to adolescence and the varying needs of adolescents in a range of socio-cultural contexts will be studied.

OCCP 1059 Professional Practice I: Communication Skills

Old code 15160/15160X. 3 credit points
Ms Julie Kruss
Offered: February, July. **Classes:** 1 hr per week plus 1 week field placement. **Assessment:** Fieldwork, performance, assignment.

This unit of study has two components: workshop session (16 hours) and a professional practice placement (35 hours). Workshop sessions are designed to enhance students' interpersonal communication skills and to develop their understanding of what is involved in working as a leisure professional. Areas of interpersonal communication will include verbal and non-verbal communication, active listening, presentation skills and assertiveness training. Students will explore the conceptual basis for working in the area of leisure and health and consider aspects such as role and responsibilities, areas of employment, and professional expectations. The one week intersemester professional practice placement will enable students to link theoretical knowledge with workplace skills.

Practical: 35 hours.

OCCP 2053 Contemporary Issues in Healthcare

Old code 152B1. 3 credit points
Ms Julie Kruss
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Assignment, examination.

This unit of study will provide the student with an understanding of concepts which influence the delivery of leisure services and an opportunity to explore current issues within the healthcare system. Students will study relevant government acts, and standards and principles which influence the individual and the provision of leisure services. Legal and ethical issues applicable to professional practice will be examined.

OCCP 2058 Social Psychology of Leisure

Old code 152B6. 3 credit points
Mr Laurence Bathurst
Offered: February. **Classes:** On Campus 2 hours/week. **Assessment:** Assignments, examination.

This unit of study aims to broaden student's understanding of the behaviour of individuals within the social contexts of leisure and play. Students will examine and discuss various theories and the interpretation, application and relevance of the theories to the professional arena of leisure and health. Content areas examine elemental themes such as the relativity of freedom and intrinsic motivation. Consistent themes throughout the unit relate to the role of leisure in the construction of the self and the evolution of communication and the significance of play as a cultural phenomenon. Factors that influence social interaction, personal and social roles, and self development are examined both theoretically and as issues which impact on leisure and healdi service delivery.

OCCP 2059 Learning Processes and Leisure Education

Old code 152B7/152B7X. 3 credit points
Mr Hal Davey
Offered: February. **Classes:** On Campus 2 hours/week, Off Campus. **Assessment:** Assignments.

This unit of study explores the concepts of teaching and learning, examines the significance of motivation, feedback and reinforcement in the learning process, and considers ways this knowledge can be applied to recreation and leisure programs. Students will be introduced to task analysis, planning and organising teaching sequences, and experiential learning approaches to learning and will be given the opportunity to practice specific teaching skills in simulated teaching - learning environment. Practical skills related to leisure education will be developed in this unit and students will explore a number of approaches available to assess clients' leisure needs and choices.

OCCP 2060 Diversional Therapy and the Ageing Population

Old code 152B8/152B8X. 3 credit points
Ms Catherine Rosen
Offered: February (On Campus), July (Off Campus). **Classes:** On Campus 2 hours/week, Off Campus. **Assessment:** Assignments, examination.

This unit of study provides students with opportunities to develop insights into the life experiences of older people. Students will acquire the knowledge and skills necessary to work with people who are older and develop an understanding of current legislation and policy as it applies to aged care services. Students consider issues which may affect an older person's participation in personalised leisure programs.

OCCP 2061 Client Groups I

Old code 152B9.4 credit points
Mr Stuart Thome
Offered: July. **Classes:** On Campus 3 hours/week. **Assessment:** Assignment, examination.

This unit of study will provide students with an understanding of the medical and social conditions affecting people with psychiatric and neurological disorders. Issues relevant to clinical and community contexts will be explored along with issues such as motivation and the creation of therapeutic environments which affect participation.in leisure and recreation. Current legislation and policy also will be studied.

OCCP 2062 Program Design and Evaluation

Old code 152C0/152C0X. 4 credit points
Mr Hal Davey
Offered: February (Off Campus), July (On Campus). **Classes:** 3 hrs on/off campus. **Assessment:** Assignments.

In this unit of study students continue to develop the skills necessary for the facilitation of client involvement in leisure and recreation programs. Emphasis is placed on issues related to the design of programs and their effective implementation and evaluation. Participants will develop further knowledge about theories of learning, the process of learning and the role of leisure service providers, including diversional therapists, in this process.

OCCP 2063 Professional Practice II: Skill Development

Old code 152C1.10 credit points
Mr Stuart Thorne
Offered: Full year. **Classes:** 1 hour per week plus 3 weeks field placement. **Assessment:** Fieldwork performance, assignments.

Semesterl, 6 credit points. Semester 2, 4 credit points.

This unit of study has three components: workshop sessions (31 hours); a three week intersemester placement (105 hours); and a weekend camp (35 hours). Workshop sessions are designed to link skills that students have learnt in the university context with the requirements of workplace practice (eg, lifting and transferring, first aid, sighted guiding). During their two placements, students will be encouraged to develop and implement recreation programs, evaluate programs and administrative procedures, and link academic study to professional practice.

Practical: 3 weeks (105 hours) and weekend camp.

OCCP 3029 Honours Research Seminar I

Old code 15378. 3 credit points
Dr Christine Chapparo
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Ongoing.

This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and etixics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 3044 Professional Practice III: Mastery and Research

Old code 15398X. 22 credit points
Ms Catherine Rosen
Offered: Full year. **Classes:** Off Campus. **Assessment:** Fieldwork performance, assignments.

Semester 1: 17 credit points. Semester 2: 5 credit points.

Students will have the opportunity to consolidate their learning through either a nine week placement at one centre during Semester 1 or two shorter placement at two different centres (eg, 5 weeks + 4 weeks). During their placement/s, students will integrate academic study with practical experience. This extended placement (315 hours), in conjunction with class review sessions (4 hours), will enable students to implement workplace-based research projects, to further develop their professional identity, and gain mastery of skills needed in the workplace.

Practical: 9 weeks fieldwork placement.

OCCP 3045 Professional Practice III: Mastery and Research

Old code 15399X. 22 credit points
Ms Catherine Rosen
Offered: February, July. **Classes:** Off Campus. **Assessment:** Fieldwork performance, assignments.

Semester 1: 17 credit points. Semester 2: 5 credit points.

Students will have the opportunity to consolidate their learning through either a nine week placement at one centre during Semester 1 or two shorter placement at two different centres (eg, 5 weeks + 4 weeks). During their placement/s, students will integrate academic study with practical experience. This extended placement (315 hours), in conjunction with class review sessions (4 hours), will enable students to implement workplace-based research projects, to further develop their professional identity, and gain mastery of skills needed in the workplace.

Practical: 9 weeks fieldwork placement.

OCCP 3050 Professional Communication and Guidance

Old code 15393. 3 credit points
Ms Hal Davey
Offered: February. **Classes:** On Campus 3 hours for 4 weeks plus independent study on fieldwork (9 weeks). **Assessment:** Assignments.

This unit is designed to enable students to develop the knowledge, skills and attitudes needed to establish therapeutic helping relationships with clients. Students will complete an independent applied skills assignment during their professional practice placement. They will learn to assess client's needs and how to best meet these needs through the selection of appropriate strategies. The different helping skills models studied will allow students to develop flexible ways of relating to clients in a variety of context.

Practical: 3 hours per week during fieldwork placement.

OCCP 3051 Outdoor Recreation and Education

Old code 15394. 3 credit points
Mr Laurence Bathurst
Offered: July. **Classes:** 1 hour lecture/week, I hour tutorial/week, block study fieldwork. **Assessment:** Viva and assignments.

This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical application of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphoric transference of learning. The third module is taught in block mode, usually over two days at an outdoor education centre where students practise advanced debriefing skills in real adventure experiences.

Practical: Two days per semester.

OCCP3052 **Research Project in Leisure and Health**

Old code 15395.4 credit points
Mr Hal Davey
Offered: July. **Classes:** On Campus 3 hours/week. **Assessment:** Assignments.

This unit of study allows students to research and investigate an area which is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical review of the literature and the writing of a research paper which demonstrates an indepth investigation and integration of information from a variety of sources.

OCCP3053 **Client Groups II**

Old code 15396. 3 credit points
Mr Stuart Thorne
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Assignments.

This unit of study will provide students with the opportunity to continue to develop and integrate expertise in supporting people participating in leisure programs who experience a developmental disability, a psychiatric disorder, or who require palliative care. Current legislation and policy related to these client groups will be examined. Issues relevant to clinical and community environments will be explored along with issues which affect participation in leisure and recreation.

OCCP 3054 **Professional Practice III: Mastery and Research**

Old code 15397. 22 credit points
Mr Hal Davey
Offered: Full year. **Classes:** On Campus 3 hours for 4 weeks, plus filedwork placement. **Assessment:** Fieldwork performance, assignments.

Students will have the opportunity to consolidate their learning through either a nine week placement at one centre during Semester 1 or two shorter placement at two different centres (eg, 5 weeks + 4 weeks). During their placement/s, students will integrate academic study with practical experience. This extended placement (315 hours), in conjunction with class review sessions (4 hours), will enable students to implement workplace-based research projects, to further develop their professional identity, and gain mastery of skills needed in the workplace.
Practical: 9 weeks fieldwork (315 hours).

OCCP 4019 **Honours Research Seminar II**

Old code 15442. 4 credit points .
Dr Christine Chapparo
Offered: Full year. **Classes:** On Campus 2 hous/week.
Assessment: Ongoing.

The seminar is designed to assist and support Honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for Honours students to discuss with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP 4043 **Honours Thesis**

Old code 154A8. 41 credit points
Mr Laurence Bathurst
Offered: Full year. **Classes:** On Campus 1 hour/week plus independent research. **Assessment:** Thesis.
Semester 1: 19 credit points. Semester 2: 22 credit points.

This unit of study provides Honours students with the opportunity to undertake a supervised research project in the area of Leisure and Health. As part of this and the other Honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

Units of study (Occupational Therapy)

BACH 1029 **Introduction to Health Sociology**

Old code 25111/25111X. 3 credit points
Mr Ian Andrews
Offered: February. **Prohibition:** Higher level units of sociology.
Classes: On Campus 2 hours/week, Off Campus. **Assessment:** Assignment/examination.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Practical: N/A.
Textbooks
Selected readings (Reader)

BACH 1087 **Introductory Psychology**

Old code 25170. 3 credit points
Ms Karen Pepper
Offered: February. Classes: On Campus 2 hours/week.
Assessment: Essay and written examination.
This unit of study provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Pathways to Psychology. (2nd ed). Stenberg, R.J. (2000).

BACH 1088 **Cognitive Functioning**

Old code 25171. 2 credit points
Dr Lynne Harris
Offered: July. **Prohibition:** Cognitive and Developmental Psychology BACH 1093 (25176) Disability Studies BACH 2036 (2521P). **Classes:** 1.5 hours/week. **Assessment:** Assignments and examination.

This unit of study presents an information processing approach to cognitive functions such as pattern recognition, attention, and memory. The logic, theory, and methodology of cognitive experimentation is examined and considered in relation to neurologically intact and impaired individuals.
Textbooks
Cognitive Psychology. (3rd ed). Eysenck and Keane.(1995). Erlbaum.

BACH 2041 **Psychopathology and Behaviour Change**

Old code 2521U. 3 credit points
Dr Mairwen Jones
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029 (25111). **Classes:** On Campus 9 x 1 hour weekly seminars 17 x 1 hour lectures (across 13 weeks). **Assessment:** Tutorial presentation and final examination.

This unit of study has three modules. The first provides students with a general theoretical framework within which abnormal behaviour has been discussed in Western societies. It aims also to give students a broad introduction to adult and child symptoms and syndromes and a brief overview of a range of treatment approaches which are currently in use. The second module introduces students to a range of behaviour therapy techniques. The student will be able to demonstrate a knowledge of techniques used for behaviour change and their application in clinical settings. The third module extends student's understanding of the application of behaviour change techniques in specific health psychology areas.
Textbooks

Behaviour Modification: What it is and how to do it. (1998). Martin & Pear.

BACH 2042 **Clients, Work and Organizations**

Old code 2521V. 3 credit points
Dr Zakia Hossain
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029 (25111). Classes: 26 lectures, 26 seminars. **Assessment:** Assignment and examination.

This unit of study aims to use sociological perspectives to analyse client/practitioner relationships, particularly in the health care context. This course emphases: sociology of client/practitioner relationships; sociology of work and organisations in health care settings; and legislative and institutional context of care.

BACH 2043 **Social and Health Psychology**

Old code 2521W. 2 credit points

This unit of study aims to provide students with a general understanding of the theories and research on interaction with people, of the social position and life experiences of people with illness and disability, and to enhance their communication skills with people. It is divided into three broad strands. The first introduces students to theories and research on interaction between people, particularly at work. A variety of theoretical positions will be described, with the intention of allowing students to more effectively understand and analyse social processes. The second strand builds on the theoretical approach taken in the first strand and provides students with an understanding of the social position and life experiences of people with disabilities. (On the basis of this knowledge students will be able to examine their own attitudes and professional behaviours towards people with disabilities and make changes where necessary to improve the effectiveness of the services they provide. The third strand provides a psychological context within which the use of therapeutic communication techniques can be appreciated and follows on from theories explored in the first strand. Specific techniques of interpersonal and group communication are explored.

BACH 2102 **Research Methods I: Design**

Old code 25278. 4 credit points
Dr Rob Heard
Offered: February. Classes: On Campus 2 hours/week, independent study module. Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised. Students will also be introduced to quantitative analysis.

Textbooks

Handbook for Research Methods in Health Sciences. (1999). V. Miinichiello et al (eds.). Sydney: Addison-Wesley.

BACH 3094 **Health Policy and Service Delivery**

Old code 25392. 3 credit points
Dr Carol O'Donnell
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1029 (25111). Classes: 2 hours/week. **Assessment:** Essay and final examination.

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

BACH 4033 **Psychology of Adulthood and Ageing**

Old code 25432.2 credit points
Dr Steve Cumming
Offered: February. Assumed knowledge: Undergraduate Psychology courses. Classes: On Campus 2 hours/week. Assessment: Assignments and examination.

Psychological development in the latter half of the lifespan is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships that occur during this period of life are also traced.

Textbooks

Adult Development and Aging. Hayslip, B. and Penek, P. Harper Collins

BACH 4034 **Social Psychology**

Old code 25433. 2 credit points

Social Psychology studies behaviour in everyday situations. Course content will include theoretical and applied perspectives on topics such as social perception, altruism, interpersonal relations, attitudes and behaviour, non verbal communication, aggression, violence, conformity and obedience.

BACH 4035 **Sociology Elective**

Old code 25434. 2 credit points
Dr Zakia Hossain
Offered: February. Classes: 13 lectures and seminars.
Assessment: Assignment.

Students will be required to choose one sociology elective. Electives may include: Sociology of Ageing; Australia's Immigrant Community; Occupational Health and Rehabilitation; Media and Health; Alternative Medicine; Computer-based Resources; Community and Health Information; International Health.

Textbooks

Materials from various sources

BIOS 1069 **Musculoskeletal Anatomy**

Old code 11177. 4 credit points
Ms Catherine Willis
Offered: Full Year (starts Feb). Classes: 3 hours/week.
Assessment: End-Semester Spot Test and End-Semester MCQ.

This unit of study examines the structure and function of the musculoskeletal system. This unit includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit.

Textbooks

Moore. Clinically Oriented Anatomy.

BIOS 1114 **Introductory Biomedical Sciences**

Old code 111 DO. 3 credit points
Dr Peter Knight
Offered: February. **Assessment:** Mid-Semester and End-Semester Exam.

This unit of study will present aspects of basic chemistry, biology, biochemistry, physiology and introductory neuroscience which underlie the normal function of the human body. The specific topics to be considered include mechanisms of homeostasis, general cellular structure and function, introductory chemistry of biologically important molecules, movement of particles between cells and membrane structure. Basic cell metabolism, protein synthesis and cell replication will be outlined. An introduction to genetics will provide the basis for later discussion of genetic disease and genetic counselling. The study of bioelectrically and introductory neuroanatomy and neurophysiology will provide the underpinning to enable students to undertake further study in neurobiology.

BIOS 1115 **Body Function in Health and Disease**

Old code 111D1. 3 credit points
Dr Jennifer Lingard
Offered: July. Classes: On Campus 3 hours/week. **Assessment:** Mid-semester and End of semester Exam.

This unit of study is designed to give students a foundation understanding of the function of the major organ systems relevant to the health professional. Major components of the course will include: the cardiovascular and respiratory systems; principles of pharmacology, dealing with both the therapeutic benefits and side effectis of commonly used drugs, issues of compliance and

adverse reaction; and the body's defence systems and infection control. The focus will be on the healthy body, however, consideration will be given to the implications for the whole body of dysfunction in each body system. Development and the effects of ageing will also be discussed. This unit of study will help students to better understand the important role of the body's systems in the context of the day to day activities.

BIOS 2091 **Neurobiology I**

Old code 112E8. 5 credit points
Dr Roslyn Bohringer
Offered: February.

These units of study are designed to provide graduates with essential knowledge and skills underpinning Occupational Therapy practice. The units offered within the framework will have sufficient flexibility to meet the specialist needs of practitioners working in a neurological setting as well as the more general needs of those working in other settings. The individual topics will be presented in a basic format that facilitates extension through electives offered by the school and department.

BIOS 2092 **Neurobiology II**

Old code 112E9. 3 credit points
Dr John Burne
Offered: July. **Classes:** On Campus 3 hours. **Assessment:** Final Exam.

These units of study are designed to provide graduates with essential knowledge and skills underpinning Occupational Therapy practice. The units offered within the framework will have sufficient flexibility to meet the specialist needs of practitioners working in a neurological setting as well as the more general needs of those working in other settings. The individual topics will be presented in a basic format that facilitates extension through electives offered by the school and department.

Textbooks

Reference list but no prescribed text.

EXSS 2015 **Kinesiology for Occupational Therapy**

Old code 22215. 3 credit points
Offered: July. **Classes:** On Campus 2-3 hours/week. **Assessment:** Assignments and examination.

This unit of study will focus on concepts of biomechanics and kinesiology will be applied to situations which have specific implications for occupational therapy practice and intervention in activities of daily living and the workplace. Included in these applications are the use of electromyography, biomechanics of lifting techniques and manual handling as well as the kinesiology of the trunk and upper limb.

Textbooks

Kinesiology, Movement in the Context of Activity. Greene, S. and Roberts, S. (1999). Mosby.

EXSS 3019 **Applied Physiology**

Old code 22319. 3 credit points
Dr Martin Thompsom
Offered: February, July. Corequisite: Body Systems Ⅲ (BIOS 3019). Classes: 48 hours. Assessment: Continuous.

This unit deals with the integration of body functions during work and exercise. It includes basic and applied aspects of muscle function, temperture regulation, energy metabolism and respiratory and cardiovascular physiology. Processes associated with physical work capacity, training and adaptation to physical activity will also be examined with reference to special populations eg. the aged, disabled.

EXSS 4001 **Applied Physiology**

Old code 22401. 4 credit points
Mr Tom Gwinn
Offered: February. **Classes:** On Campus 4 hours/week.
Assessment: Continuous Assessment.

This unit of study deals with the integration of body functions during work and exercise. It includes basic and applied aspects of muscle function, temperature regulation, energy metabolism and respiratory and cardiovascular physiology. Processes associated with physical work capacity, training and adaptation to physical activity will also be examined with reference to special populations, e.g. the aged, disabled.

Textbooks

No core textbooks

OCCP1035 **Human Occupations IA**

Old code 15136.2 credit points
Ms Anne Hillman
Offered: February. **Classes:** On Campus, 3 lectures, 8x2 hours tutorials (1 lecture/week when on and 1 tutorial/week when on).
Assessment: Viva, examination.

The unit of study introduces students to the concept of purposeful occupation in the area of self-maintenance. Students will explore the impact physical, psychosocial and cognitive dysfunction has upon self-maintenance task performance. They will also be given the opportunity to develop skills in methods used to assess, maintain, restore and enhance mobility and basic self-care skills.

Practical: Tutorials are skills-based.

Textbooks

Occupational Therapy: practice skills for physical dysfunction. (4th ed). Pedretti, L.W. (1996).

OCCP 1036 **Human Occupations IB**

Old code 15137. 3 credit points
Ms Lindy Clemson
Offered: July. **Classes:** On Campus, 2 hours/week. **Assessment:** Presentation and assignment.

This unit of study continues with self-maintenance occupations, addressing the home and the community environment and the nature of self maintenance activities within the context of daily life. Students will explore the effects of physical, psychosocial and cognitive dysfunction on personal care, home and community skills and examine various occupational therapy assessment and intervention strategies.

OCCP 1037 **Components of Occupational Performance IA**

Old code 15138. 4 credit points
Mr Philip Chan and Ms Judy Ranka
Offered: February. **Classes:** On Campus 3 hours/week.
Assessment: Continuous assessments.

This unit of study introduces students to the components which underpin the performance of human occupations. Biomechanical, intrapersonal, interpersonal, cognitive and sensorimotor components are defined and their relationship to human performance of occupations explored. Principles of intrapersonal and interpersonal practice focusing on social interaction and helping skills which underpin person to person occupational therapy assessment and intervention in all areas of practice will be established.

Textbooks

List to be provided in class.

OCCP 1038 **Components of Occupational Performance IB**

Old code 15139. 4 credit points
Ms Eveline Innes
Offered: July. **Classes:** On Campus 2 hours/week, plus 5 lectures.
Assessment: Examination, Viva.

The biomechanical performance component is examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of biomechanical performance are established in order to restore, maintain and enhance human occupational performance. Principles of learning and systematic instruction which underpin occupational therapy assessment and intervention in all areas of practice will be established.

OCCP 1060 **Occupational Therapy Theory and Process IA**

Old code 15161. 3 credit points
Ms Lindy Clemson
Offered: February. Classes: On Campus, 2 hours/week.
Assessment: Presentation and assignment.

This unit of study aims to introduce students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. These concepts and philosophies will be explored from perspectives of occupa-

tional therapists, and from perspectives of consumers and community members.

OCCP1061 Occupational Therapy Theory and Process IB

Old code 15162. 2 credit points
Ms Kate Bridge
Offered: July. **Classes:** On Campus Lecture 1 hour/week, Seminar 6 hours/semester. **Assessment:** Final report-100% of assessment.
This unit of study aims to explore foundations underlying current and future directions of occupational therapy practice from different theoretical perspectives as reflected in models of occupational therapy practice. Students will critically review models of occupational therapy practice and their influence on the problem solving process in occupational therapy practice.
Practical: Seminar presentation and participation.
Textbooks
Concepts of Occupational Therapy. (4th ed). Reed, K & Sanderson, S. (1999).

OCCP 1062 Occupations and Roles Across the Lifespan IA

Old code 15163. 2 credit points
Ms Michelle Donelly
Offered: February. **Classes:** On Campus 2 hours/week lecture for 9 weeks. **Assessment:** Written assignment, examination.
This unit of study introduces the student to lifespan development concepts and to occupational and role development. It also focuses on the development of occupations and roles in infancy and childhood. Development of skills and abilities necessary for performance of occupations during infancy and childhood will be examined from various theoretical perspectives. Factors influencing occupational development during this stage in the lifespan will be discussed.
Textbooks
No textbook required. Core references given in lectures

OCCP 1063 Occupations and Roles Across the Lifespan IB

Old code 15164. 2 credit points
Ms Moy Dibden
Offered: July. **Classes:** 2 hours/week for 9 weeks. **Assessment:** Poster and essay.
This unit of study focusses on the development of occupations and roles during adolescence and young adulthood. The interaction between the developmental changes and issues related to these lifespan stages and the development of occupations and roles are examined from various theoretical perspectives
Textbooks
Readings to be purchased.

OCCP 1064 Professional Practice I

Old code 15165. 4 credit points
Ms Kathleen Linehan
Offered: Full year. **Classes:** On Campus 1 hour/week for 6 weeks.
Assessment: Presentation and performance report.
This unit of study provides students with: opportunities to interact with clients and relevant others; to demonstrate professional behaviour; to integrate and apply theory and skills gained in semester I in professional practice and other units; and to promote their awareness of the range and scope of occupational therapy services and the roles of team members.

OCCP 2041 Human Occupations IIA

Old code 15297. 3 credit points
Mr Brett O'Neill and Mr Laurence Bathurst
Offered: February. **Classes:** On Campus 2 hours/week, for 6 weeks and Off Campus 2hours/week for 4 weeks. **Assessment:** Presentation and workbook.
This unit of study will focus on 2 areas, occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP 2042 Human Occupations IIB

Old code 15298. 3 credit points
Ms Michelle Donelly
Offered: July. **Assumed knowledge:** Child development. **Classes:** On Campus 2-3 hours/week. **Assessment:** Mid-semester and end-semester examination.
The focus of this unit of study is on Play and School Occupations in infancy and school age children. Students will be given opportunity to analyse these occupational areas and to develop skills in the selection of occupational therapy intervention strategies to improve a child's occupational performance in play and at school.
Textbooks
Recommended readings for each tutorial class

OCCP 2043 Components of Occupational Performance IIA

Old code 15299. 3 credit points
Dr Chris Chapparo
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: On going.
Sensorimotor component performance is examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of sensorimotor performance are established in order to restore, maintain and enhance human occupational performance.
Textbooks
Updated readings assigned yearly

OCCP 2044 Components of Occupational Performance IIB

Old code 152A1. 3 credit points
Mr Brett O'Neill
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Presentation and assignment.
This unit of study examines firstly the interpersonal and intrapersonal practice in the mental health area in order to restore, maintain and enhance human occupational performance. Secondly, principles of intra-personal and inter-personal practice which underpin occupational therapy assessment and intervention in groupwork practice will be established.

OCCP 2045 Occupational Therapy Theory and Process IIA

Old code 152A2. 3 credit points
Ms Catherine Bridge
Offered: February. **Classes:** On Campus 2 hours/week.
This unit of study aims to expand student's understanding of occupational therapy theory and process through the exploration of the reasoning and decision-making processes used by therapists. The application and use of different theories to guide reasoning will be explored through the use of case studies and problem-based learning. Included in the study of decision-making in therapy will be an exploration of assessment and its place in the occupational therapy process.

OCCP 2046 Occupational Therapy Theory and Process IIB

Old code 152A3. 2 credit points
Ms Robyn Twible
Offered: July. **Classes:** On Campus 2 hours/week for 5 weeks.
This unit of study aims to explore the impact of the use of different theoretical models and approaches to delivery of services in different contexts. Consideration will be given to current and future practice contexts, and the consequences of theoretical and practice issues for service delivery.

OCCP2071 **Professional Practice II**

Old code 152C2. 5 credit points
Ms Kathleen Linehan
Offered: Full year. **Prerequisite:** Professional Practice I OCCP 1064 (15165). **Classes:** On Campus 1 hour/week for 6 weeks.
This unit of study provides students with opportunities to: demonstrate professional behaviour; integrate and apply theory and skills learned in the previous three semesters in professional practice and other units in the course, to occupational therapy practice with guidance/supervision from one or more fieldwork educators. Students will be required to consolidate and expand on previous knowledge and skills.

OCCP 2072 **Occupations and Roles Across the Lifespan II**

Old code 152C3. 2 credit points
Ms Anne Hillman
Offered: February. **Classes:** 2x1 hour lectures/week. **Assessment:** Mid-semester assignment and end of semester examination.
This unit of study focuses on the development of occupations and roles during mid-adulthood and in the elderly. Developmental changes and issues occuring at these stages will be examined in view of their influences on the development of occupations and roles and vice versa. Various developmental perspectives on these changes and issues will be explored.
Textbooks
Looking forward through the lifespan. (1996). Peterson, C.

OCCP 3029 **Honours Research Seminar I**

Old code 15378. 3 credit points
Dr Christine Chapparo
Offered: July. Classes: On Campus 2 hours/week. **Assessment:** Ongoing.
This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and ethics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 3030 **Human Occupations III**

Old code 15379. 2 credit points
Ms Eveline Innes
Offered: July. **Classes:** On Campus 2hours/week every 2nd week.
This unit examines the area of productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

OCCP 3032 **Occupational Therapy Theory and Practice III**

Old code 15381. 3 credit points
Ms Robyn Twible
Offered: July.
This unit of study aims to explore the theory and processes of effective management for current and future occupational therapy practice in differing therapy contexts. Consideration will be given to the impact of current and emerging professional issues as well as broader issues in health care, and in the community.

OCCP 3055 **Occupations and Roles Across the Lifespan III**

Old code 153A0. 2 credit points
Ms Anne Hillman
Offered: July.
This unit of study is a case and issues based unit that covers the entire spectrum of the lifespan. Specific cases and issues related to infancy and childhood, adolescence and young adulthood, mid-adulthood and late adulthood are examined in view of the person's occupational and role development using occupational and role analysis. This is an integrative unit, which requires students to draw on knowledge gained from relevant units of study in the course.

OCCP 3056 **Professional Practice III**

Old code 153A1. 25 credit points
Mr Brett O'Neill
Offered: Full year. **Prerequisite:** Professional Practice Ii OCCP 2071 (152C2).
Semester 1: 24 credit points. Semester 2: 1 credit point.
This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in the previous four semesters of professional practice and other units in the course, to occupational therapy service provision - assessing, determining goals, planning, implementing, evaluating, reporting and documenting - with guidance/supervision from one or more fieldwork educators. Students will be consolidating and expanding on previous knowledge and skills. Students will complete two six week placements and attend briefing and debriefing lectures and tutorials.

OCCP 3057 **Components of Occupational Performance III**

Old code 153A2. 3 credit points
Ms Judy Ranka
Offered: July. Classes: On Campus. Assessment: Assignments and presentations.
This unit of study examines the cognitive component in order to identify and intervene when human performance deficits exist in this area to restore, maintain and enhance human occupational performance. The intra-personal and inter-personal components in occupational therapy mental health practice area will also be studied further.

OCCP 4019 **Honours Research Seminar II**

Old code 15442. 4 credit points
Dr Christine Chapparo
Offered: Full year. Classes: On Campus 2 hous/week.
Assessment: Ongoing.
The seminar is designed to assist and support Honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for Honours students to discuss with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP 4023 **Honours Thesis**

Old code 15445. 22 credit points
Dr Chris Chapparo
Offered: Full Year. Classes: Independent. **Assessment:** 100% thesis mark.
Semester 1: 10 credit points. Semester 2: 12 credit points.
This unit of study provides Honours students with the opportunity to undertake a supervised research project in an area of occupational therapy. As part of this and the other Honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

OCCP 4026 **Human Occupations IV**

Old code 15460.4 credit points
Ms Elvina Weissel
Offered: February.
This unit of study examines the area of Productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

Elective topics at an advanced level of study in the area of human occupations will also be offered.

OCCP 4027 **Components of Occupational Performance IV**

Old code 15461. 4 credit points
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Assignments.

Advanced studies in specific areas of component performance will be undertaken in order for students to identify and critique occupational therapy analysis and intervention. Electives may be offered in specific areas of biomechanical, sensorimotor, cognitive and psychosocial performance as they underpin human occupational performance. Students will be given an opportunity to choose from several advanced inquiry units.

Textbooks

Various recommended readings

OCCP 4029 **Evaluation of Occupational Therapy Programs**

Old code 15463. 3 credit points
Offered: Full year.

February Semester: 1 credit point. July Semester: 2 credit points.

This unit of study gives students the opportunity to utilise beginning research skills and apply them to Program Evaluation in a clinical context.

Students identify an evaluation issue based on Fieldwork Education Unit TV, research the literature relative to the evaluation issue and prepare an evaluation proposal. The proposal is documented in a written report.

OCCP 4030 **Fieldwork Education IV**

Old code 15464.22 credit points
Offered: Full Year. **Prerequisite:** Fieldwork Education IIIA, Fieldwork Education NIB.

February Semester: 2 credit points. July Semester: 20 credit points.

This unit of study has one 10 week block placement in a professional setting plus briefings and debriefings Semester I and II respectively to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice. Students use the final two weeks of the placement to gather necessary information for formulating a proposal for the unit of study Evaluation of Occupational Therapy Programs. Total number of fieldwork hours is 379 hours.

OCCP 4040 **Human Occupations IV (Hons)**

Old code 154A5. 2 credit points
Ms Elvina Weissel
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: Ongoing.

This unit of study examines the area of Productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

Textbooks

Readings updated per year

OCCP 4041 **Occupational Therapy Theory and ProcessIVA**

Old code 154A6. 3 credit points
Ms Robyn Twible
Offered: Full year. Classes: Various - On Campus and Off Campus.

Semester 1: 1 credit point. Semester 2: 2 credit points.

Students will develop professional skills in oral and written presentation. Specifically, in Semester 1, students will prepare and run a workshop on a skill related to community occupational therapy practice. Students will develop a teaching manual for their workshop. In Semester 2, students will design and present a poster on a topic of current debate or concern to occupational therapists and the occupational therapy profession.

OCCP 4042 **Occupational Therapy Theory & Process IVB**

Old code 154A7. 2 credit points
Offered: February.

Students will have an opportunity to select one elective from a range of topic areas which may include Fieldwork Supervision, Culture, Management and Information of Technology, and Using Educational principles in Occupational Therapy.

OCCP 4044 **Fieldwork Education IV (Hons)**

Old code 154A9. 22 credit points
Offered: Full Year.

February Semester: 6 credit points. July Semester: 16 credit points.

This unit of study has one 6 week block placement in a professional setting plus briefings and debriefings Semester 1 and 2 respectively to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

CHAPTER 13

School of Physiotherapy

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, schools, private practices, community and workplace settings. The physiotherapy profession is committed to continued research into its fundamental concepts and activities and the evaluation of physiotherapy services to ensure the optimum quality of care for the community it serves. The profession is also committed to effective communication with members of the health team, the community at large and the continuing education of its graduates. Staff and students of the School are actively involved in a number of research projects. These range over several areas including the investigation of human motor performance, musculoskeletal, neurological and cardiopulmonary physiotherapy, occupational health and clinical reasoning.

As one of the foundation schools of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences) at the College's inception in 1975, the School of Physiotherapy has played an important role in the development of the Faculty and its academic programs. Prior to 1975, there was a physiotherapy program conducted through the Australian Physiotherapy Association in New South Wales which had been offered since its inception in 1907.

One of the major goals of the School is to graduate competent beginning practitioners of physiotherapy. To this end, the School's Undergraduate Studies Committee has reviewed the undergraduate program in relation to each of the Physiotherapy Competencies recently formulated by the physiotherapy profession in Australia. This Committee has ensured that each of these competencies is addressed in the curriculum. Reference to specific competencies is made in statements of unit aims and objectives - eg, in student manuals.

The School has a strong commitment to achieving quality in all areas of endeavour. To achieve this goal the School has utilised findings from evaluation of our academic programs and research projects to refine the program offered. This evaluation has involved seeking and receiving critical appraisal from various sources including student, teacher and external evaluation, from external advisory committees and members of the physiotherapy profession, from national and international colleagues and from members of this and other faculties of the University.

In common with other departments at the University of Sydney, the School of Physiotherapy promotes students' development of generic as well as discipline-specific knowledge and skills. Generic skills, for example communication and team work skills, are necessary attributes of all graduates of higher education in this age of change. In fostering these skills the School is preparing its graduates to work in many different settings to promote health and facilitate rehabilitation. Work venues include generalist and specialist settings in city and rural regions, and in institutional, school, industrial and community contexts.

The School of Physiotherapy offers two undergraduate programs (pass and honours bachelor degrees). The honours program is available to students completing their second year of the undergraduate program who have met the eligibility criteria and quota for admission to the Honours Program. Nine graduate programs are conducted by the School. These include research programs at masters and doctoral levels and coursework programs in manipulative physiotherapy, sports physiotherapy, and a combined program which addresses a number of other professional sub-disciplines.

Enquiries regarding undergraduate courses should be directed to the following:

Academic Program Administrator: Ayanthi Salgado (02) 9351 9378; the Undergraduate Programs Coordinator: Dr Chris Maher, (02) 9351 9192; the Honours Program Coordinator: Dr Sharon Kilbreath (02) 9351 9272.

Enquiries regarding postgraduate courses should be directed to the following:

Academic Program Administrator, Ayanthi Salgado (02) 9351 9378; The Postgraduate Coursework Programs Coordinator: Elizabeth Henley (02) 9351 9268; Research Masters Program and Ph.D. Program Coordinator Associate Professor Nick O'Dwyer (02) 9351 9272.

Bachelor of Applied Science (Physiotherapy)

The current undergraduate programs are four year full-time programs. These lead to a Bachelor of Applied Science (Physiotherapy) (Pass) degree and a Bachelor of Applied Science (Physiotherapy) (Honours) degree and aim to equip students with the appropriate knowledge, skills and attitudes to work effectively as members of the physiotherapy profession. Graduates of these full-time programs are eligible for registration as Physiotherapists with the NSW Physiotherapists Registration Board.

Admission requirements

There are no formal prerequisites for HSC candidates to the Bachelor of Applied Science (Physiotherapy) program. As most students will be interacting with computers during their program, experience in the use of computers would be an advantage. Assumed knowledge includes 2u Mathematics, plus either of 2u Physics and 2u Chemistry or 3/4 unit Science at HSC level. Students who have not completed these studies recently are advised to consider attending one or more of the pre-semester bridging programs offered by the Faculty of Health Sciences. Please refer to the General Admission Requirementsin Chapter 3 and the section on Bridging Courses in Chapter 3. Applicants who are not sitting the current NSW HSC examination may be required to demonstrate other entry criteria (eg, exceptional performance in a recognised undergraduate degree program in which they are currently enrolled or completion of a degree) and may be asked to complete a questionnaire specified by the School. Data derived from such questionnaires will be used in the selection process. 'Recognised Degree Holder' Enrolment Information Sheets which outline this procedure can be obtained from the School.

The profession of physiotherapy is physically demanding and requires for its practice the development of a range of precise physical skills. Prospective students should be aware that they will be expected to carry out and have carried out upon themselves as simulated patients, all the examination and treatment procedures used by physiotherapists. Such practical classes may involve partial disrobing. Participation in these classes is a requirement of the program.

Any prospective student who thinks that he/she may have a consideration, condition or disability which may interfere with the development or practice of physical skills, or with participation in clinical education should consult the Head of the School of Physiotherapy before commencing the program.

Course outline

The course outlines for the Bachelor of Applied Science (Physiotherapy) are presented in Tables 13.1 and 13.2.

Note: Students will normally complete all units listed in the sequence in which they appear in the Faculty Handbook. Permission to alter this sequence must be obtained from the Head of School. Non-standard students who are completing units from more than one year of the program are required to seek permission to enrol in particular units from the

designated Academic Program Advisors in the School. This will ensure that students'programs are not severely handicapped by an inappropriate or unmanageable combination of units. Attendance at all lectures and tutorials is expected for all units. Students entering the program are required to complete all first year units within two years and all first and second year units within four years.

Honours program

The following information is specific to the Physiotherapy Honours program. Entry to the Honours program is competitive and requires completion of the first two years of the course with a credit or higher average without any failed grades. An Honours degree is awarded after satisfactory completion of all coursework and a thesis during the third and fourth years of the course. Honours students are required to maintain a credit average in the third year. Students are required to complete all units within the Honours program within two years of their initial enrolment in that program. There is no re-examination for any unit in the Honours program/Students who fail to meet these criteria for retaining candidature in the Honours program will be required to discontinue that program. They may be re-absorbed into the Pass program provided they meet the criteria for retention and progression in this course. See Table 13.1 for the course outline.

For further information specific to the Physiotherapy Honours Program, students are advised to contact the School's Honours Program Coordinator, Dr Sharon Kilbreath, phone (02) 9351 9272.

In order for honours students to have adequate time to pursue their research studies modifications have been made to the pass program for these students. Modifications include: unit exemptions and additions (as outlined below), and variation in clinical education units.

Exemptions

Students in the Honours program complete all year 3 and year 4 units in the Pass program, except Evidence-Based Practice (164H9) from which they are exempt.

Clinical education

In year 4 Honours students complete three clinical education units which are similar in content and goals to the pass program units. However, the first two units vary in hours from the parallel pass units. That is honours students complete PHTY 4075 Clinical Education IVHA instead of PHTY 4066 Clinical Education IVA and complete PHTY 4036 Clinical Education IVHB instead of PHTY 4067 Clinical Education IVB. They also complete PHTY 4073 Clinical Education IVC along with the pass students. Honours students should note that due to these concessions their total clinical hours are 1000 which is the minimum number of hours required for course completion. Therefore, they are normally required to make up any absences from clinical placements.

Additional units

Honours students complete the following extra units: BEHS 3044 Research Statistics, PHTY 3042 Research for Physiotherapists, PHTY 4042 Honours Thesis and PHTY 4053 Honours Research Seminar.

Table 13.1:13achelor of Applied Science (Physiotherapy)

Course code 1652 — Mode of offer: Pass Course; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
BACH 1026	(2511F)	Research Methods I: Design	3	-
BACH 1084	(25167)	Psychology of Motor Behaviour	-	2
BACH 1116	(25199)	Introductory Psychology	3	-
BIOS 1054	(11158)	Introductory Human Biology	4	-
BIOS 1055	(11161)	Body Systems I	-	4
BIOS 1064	(11172)	Functional Anatomy A	5	-
BIOS 1065	(11173)	Functional Anatomy B	-	5
BIOS 1082	(11191)	Introductory Neurobiology	3	-
BIOS 1083	(11192)	Neurobiology I	-	2
PHTY 1013	(16113)	Electrophysical Agents I	-	4
PHTY 1015	(16115)	Kinesiology	3	3
PHTY 1016	(16116)	Musculoskeletal Physiotherapy I	-	4
PHTY 1018	(16118)	Introduction to Physiotherapy Practice	3	-
Year 2				
BACH 2026	(2521F)	Research Methods II: Data Analysis	-	3
BACH 2027	(2521G)	Introduction to Health Sociology	-	2
BACH 2028	(2521H)	Social and Health Psychology	-	2
BIOS 2037	(11286)	Body Systems II	-	1
BIOS 2038	(11287)	Neurobiology II	6	-
EXSS 2008	(22208)	Biomechanics	4	-
PHTY 2020	(16224)	Cardiopulmonary Physiotherapy I	3	1
PHTY 2027	(16231)	Electrophysical Agents II	4	-
PHTY 2031	(16235)	Musculoskeletal Physiotherapy II	7	1
PHTY 2032	(16236)	Ethical Physiotherapy Practice	-	1
PHTY 2033	(16237)	Clinical Education I	-	7
PHTY 2034	(16238)	Clinical Education II (Community Fieldwork)	-	6

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 3				
BACH 3072	(25370)	Sociology of Clients, Practitioners and Organisations	2	-
BIOS 3019	(11374)	Body Systems III	2	-
EXSS 3009	(22309)	Applied Physiology	2	3
PHTY 3029	(16330)	Cardiopulmonary Physiotherapy II	2	-
PHTY 3036	(16337)	Musculoskeletal Physiotherapy III	6	1
PHTY 3037	(16338)	Neurological Physiotherapy I	5	1
PHTY 3038	(16339)	Paediatrics	3	2
PHTY 3039	(16340)	Community and Occupational Physiotherapy	2	2
PHTY 3040	(16341)	Exercise and Health	-	2
PHTY 3041	(16342)	Clinical Education III	-	13
Year 4 (first offered in 2001)				
BACH 4049	(25448)	Health Policy and Service Delivery	1	-
BACH 4051	(25450)	Psychopathology and Behaviour Change	2	-
PHTY 4066	(164G7)	Clinical Education IVA	9	-
PHTY 4067	(164G8)	Clinical Education IVB	9	
PHTY 4068	(164G9)	Evidence-Based Practice	1	2
PHTY 4069	(164H0)	Complex Cases	1	**1**
PHTY 4070	(164H1)	Elective	1	1
PHTY 4071	(164H2)	Advanced Manipulation Skills	-	1
PHTY 4072	(164H3)	Neurological Physiotherapy II	-	1
PHTY 4073	(164H4)	Clinical Education IVC	-	9
PHTY 4074	(164H5)	Clinical Education IVD	-	9
		Stage total (48 credit points for Year 4)	24	24

Table 13.2: Bachelor of Applied Science (Physiotherapy) - Honours

Course code	Mode of offer
1653	Honours program; Full-time, 4 years

Unit code	(old code)	Unit name	Sem 1	Sem 2
Years 1 and 2				
As per Pass program (Table 13.1)				
Year 3				
BACH 3043	(25341)	Research Statistics	-	2
BACH 3072	(25370)	Sociology of Clients, Practitioners and Organisations	2	-
BIOS 3019	(11374)	Body Systems III	2	-
EXSS 3009	(22309)	Applied Physiology	2	3
PHTY 3029	(16330)	Cardiopulmonary Physiotherapy II	2	-
PHTY 3036	(16337)	Musculoskeletal Physiotherapy III	6	1
PHTY 3037	(16338)	Neurological Physiotherapy I	5	1
PHTY 3038	(16339)	Paediatrics	3	2
PHTY 3039	(16340)	Community and Occupational Physiotherapy	2	2
PHTY 3040	(16341)	Exercise and Health		2
PHTY 3041	(16342)	Clinical Education III	-	13
PHTY 3042	(16343)	Research for Physiotherapists	3	1
Year 4 (first offered in 2001)				
BACH 4049	(25448)	Health Policy and Service Delivery	1	-
BACH 4051	(25450)	Psychopathology and Behaviour Change	2	-
PHTY 4069	(164H0)	Complex Cases	1	1
PHTY 4071	(164H2)	Advanced Manipulation Skills		1
PHTY 4072	(164H3)	Neurological Physiotherapy II	-	1
PHTY 4073	(164H4)	Clinical Education IVC	-	9
PHTY 4074	(164H5)	Clinical Education IVD	-	9
PHTY 4075	(164H6)	Clinical Education IVHA	9	-
PHTY 4076	(164H7)	Clinical Education IVHB	9	-
PHTY 4077	(164H8)	Honours Research Seminar	3	2
PHTY 4083	(164I4)	Honours Thesis	5	7
		Stage total (60 credit points for Year 4)	30	30

Clinical education Clinical practise dates

Clinical education provides students with the opportunity to complement the knowledge and skills acquired in the academic segments of the program. This is achieved through the assessment and treatment of patients in clinical settings under the supervision and guidance of clinical educators. Clinical education offers undergraduates the chance to integrate academic units and practical skills in a clinical setting thereby gaining experience in physiotherapy practice.

During the undergraduate program students are allocated to one of five clinical schools. The five schools aligned with area health services are Northern Sydney, Central Sydney, Southeastern Sydney, Southwest Sydney and Western Sydney. For each school, rural areas and/or outer Sydney placements are incorporated as well as private practices and community facilities which reside in the geographical regions designated to the particular school, Students complete clinical placements at sites within their clinical school. All students are required to do at least one rural placement. Students are allocated placements within their Clinical School including at least one rural placement. Opportunities may exist for senior students to elect to do an interstate or overseas placement depending on availability.

In order to undertake clinical education students must obtain a criminal record clearance letter. The NSW Department of Health now has a policy that requires all health care workers, including students who undertake training or fieldwork in the NSW health care system, to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities.

It is your responsibility to complete relevant forms and return them to the NSW Health Department. The forms are obtained from Student Services.

Once you receive your letter of clearance it is important that you keep it in a safe place. **Students are required to present the letter of clearance to the clinical units to which they have been assigned, and may not be allowed to commence the unit without producing this letter.**

If you have any enquiries regarding this process please contact Student Administration on (02) 9351 9535.

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in second year. For example, St John Ambulance programs on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Since students in the health care professions are usually considered to be in the 'high risk category' for contacting infections, it is strongly recommended that they familiarise themselves with the detailed information contained in the booklet *Infectious Diseases and You.* This is published by the Faculty and is available from Student Administration (Cumberland).

Students are encouraged to be vaccinated for diseases such as Hepatitis A &B, Rubella and Tuberculosis prior to commencing clinical work. Information regarding vaccination is also placed on the Physiotherapy student noticeboards.

A specific number of clinical hours is required to ensure adequate clinical practice. Time missed from clinical placements must normally be made up, at the discretion of the Head of School. There is no set number of days which can be missed. This is quite a separate issue from the achievements of the clinical objectives which are assessed on each clinical. The make up of time is necessary since there is a requirement for registration as a physiotherapist that a certain amount of clinical practice be completed during the program.

The make up time is usually completed in weeks between semester 2 Exams and Christmas, and students are advised to take this into consideration before arranging holidays. Students in year 4 may be required to complete makeup time during the intersemester break.

9 July - 3 August
Year 3
6 August - 7 September
Year 4 Pass/Honours
23 April-25 May
4 June - 6 July
17 September- 19 October
29 October -30 November

Uniform requirements for clinical practice

- Navy tailored trousers (straight legs)
- White short sleeves open neck shirt or School of Physiotherapy polo shirt with University insignia (as supplied by the Student Guild)
- Black, or dark brown work shoes
- Navy cardigan/jumper
- Monotone coloured socks either navy, black or white
- Approval for males and females to wear navy tailored long shorts is the clinical site's decision. It is the student's responsibility to get approval from the clinical site prior to wearing shorts. The clinical site's decision is final.
- Students with special consideration due to religious and or cultural circumstances can discuss changes to the uniform requirements with their clinical academic.

Units of study

BACH 1026 **Research Methods I: Design**

Old code 2511F. 3 credit points
Dr Peter Choo
Offered: February. **Classes:** On Campus 2 hours/week.
Assessment: 2 written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit briefly considers the philosophy of science and covers research ethics, qualitative and quantitative research, development of research questions, specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, such as experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and epidemiology. Data quantification techniques will be discussed and students will be introduced to research applications in the health science including needs assessment, evaluation research, action research and epidemiology. The importance of research methods to evidence-based practice will be emphasised.

Textbooks

Handbook for Research Methods in Health Sciences. Minichiello, V. et al (Eds). (1999). Sydney: Addison-Wesley.

BACH 1084 **Psychology of Motor Behaviour**

Old code 25167. 2 credit points
Offered: July. Classes: 2 hours/week.

This unit will cover information processing and the human sensory-motor system, stages of skill acquisition, motor development, age and skill, automatic versus conscious motor control, expert-novice skill differences, ecological and motor program approaches, motor learning and rehabilitation settings, operant applications, biofeedback and behaviour modification, hemispheric specialisation, handedness, vision and kinesthesis in motor control.

BACH 1116 **Introductory Psychology**

Old code 25199.3 credit points
Ms Karen Pepper
Offered: February. Classes: On Campus 2 hours/week.
Assessment: Essay, and written examination.

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

Textbooks

Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 2026 **Research Methods II: Data Analysis**

Old code 2521F. 3 credit points
Mr Alan Jones
Offered: Full year. **Classes:** Flexible learning. **Assessment:** Assignment and examination.

This unit builds on Research Methods I: Design, and introduces students to basic qualitative and quantitative data analysis techniques. Using examples, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests, and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

Textbooks

The Basic Practice of Statistics. (2nd ed). Moore, D.S.

BACH 2027 **Introduction to Health Sociology**

Old code 2521G. 2 credit points
Mr Ian Andrew
Offered: July. **Prohibition:** Higher Level units of Sociology. **Classes:** On Campus 20 hours. **Assessment:** Assignment/examination.

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

Textbooks

Selected readings (Reader).

BACH 2028 **Social and Health Psychology**

Old code 2521H. 2 credit points
Offered: July.

This unit aims to introduce students to theories and research on interactions between people, particularly at work. Module 1 will present a variety of theoretical positions describing the social processes that influence behaviour in the workplace. Module 2 examines the social position and life experiences of people with chronic illnesses and disabilities. Module 3 introduces students to a comprehensive model of professional communication to facilitate the development of personal and interpersonal skills.

BACH 3043 **Research Statistics**

Old code 25341. 2 credit points
Mr Michael Hough
Offered: July. **Prerequisite:** Research Methods II: Data Analysis BACH 2026 (2521F). **Assumed knowledge:** Windows Operating System. **Classes:** On Campus 2 hours/week. **Assessment:** Assignments.

This unit consolidates and extends statistical skills acquired in the previous unit. It provides the foundation for the statistics which may be used in the Honours research project. Topics to be covered include analysis of variance, multiple regression, non-parametric statistics and other selected topics. The unit includes extensive use of computer statistical packages (SPSS for Windows).

Practical: Computer statistical packages.

Textbooks

SPSS Analysis Without Anguish. (1997). Coakes, S.J. & Stead, L.G. Brisbane: Wiley

BACH 3072 **Sociology of Clients, Practitioners and Organizations**

Old code 25370. 2 credit points
Dr Zakia Hossain
Offered: February. **Classes:** 13 lectures, 13 seminars.
Assessment: Examination.

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

Textbooks

Book of Readings.

BACH 4049 **Health Policy and Service Delivery**

Old code 25391.1 credit point
Dr Carol O'Donnell
Offered: February. Prerequisite: Introduction to Health Sociology BEHS 1105 (101C2). Assessment: Project (1000 words).

This unit provides an understanding of key aspects of the relationship between society, health and health service provision. It discusses Australian health policy and services and the importance of a holistic and preventative health care focus in Australian and international contexts.

Practical: Project.

BACH 4051 **Psychopathology and Behaviour Change Techniques**

Old code 25450. 2 credit points
Dr Liselotte Muhlen-Schulte
Offered: February. **Prerequisite:** Introduction to Health Sociology BEHS 1105(101C2).

This unit of study has three modules. The first provides students with a general theoretical framework within which abnormal

behaviour has been discussed in Western societies. It aims also to give students a broad introduction to adult and child symptoms and syndromes and a brief overview of a range of treatment approaches which are currently in use. The second module introduces students to a range of behaviour therapy techniques.

BIOS 1054 **Introductory Human Biology**

Old code 11158.4 credit points
Dr Margaret Bermingham
Offered: February. **Classes:** 4 hours/week. **Assessment:** Mid-Semester and Final Exams.

This unit will present aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The topics considered include general cellular structure and function, cell metabolism, protein synthesis, cell division and the principles of homeostasis and blood.
Practical: Seeley. Textbook of Physiology.

BIOS 1055 **Body Systems I**

Old code 11161.4 credit points
Dr Ann Murphy
Offered: July. Prerequisite: Introductory Human Biology BIOS 1054 (11158). **Classes:** 5 hours/week. **Assessment:** Final Exams.
This unit will present the gross anatomy, histology and physiology of the cardiovascular, respiratory and digestive systems. In addition, the embryological development of the heart and lungs will be covered. The unit includes laboratory classes at which human cadavers are studied. Attendance at such classes is required.
Textbooks
Fundamentals of Anatomy and Physiology. (4th ed). Martini, F.H. (1998). Prentice Hall.

BIOS 1064 **Functional Anatomy A**

Old code 11172. 5 credit points
Ms Karen Ginn
Offered: February. **Classes:** 60 hours. **Assessment:** Mid-Semester Exam, Final Exam.
This unit will cover the gross anatomical structure of the upper limb and histology of the musculoskeletal system. In addition, fundamental mechanical principles of human movement will be presented. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
1. Anatomy and Human Movement (3rd ed). Palastanga, Field & Soames. (1998)
2. A Colour Adas of Human Anatomy (3rd ed). McMinn and Hutchings. (1993)

BIOS 1065 **Functional Anatomy B**

Old code 11173. 5 credit points
Ms Karen Ginn
Offered: July. **Classes:** On Campus 50 hours. **Assessment:** Mid-Semester Exam, Final Exam.
This unit will present the gross anatomical structure of the lower limb, trunk, head and neck. In addition embryological development of the musculoskeletal system will be covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
1. Anatomy and Human Movement (3rd ed). Palastanga, Field & Soames. (1998).)
2. A Colour Atlas of Human Anatomy (3rd ed). McMinn and Hutchings. (1993).

BIOS 1082 **Introductory Neurobiology**

Old code 11191. 3 credit points
DrBulentTurman
Offered: February. **Corequisite:** Introductory Human Biology BIOS 1054 (11158). Classes: 28 hours. Assessment: Final Exam.
This unit introduces the student to the basic structure and function of the nervous system, and the physiology of neurons, receptors, synapses and neuromuscular transmission. The structure, contractile process, muscle mechanics and biochemistry of skeletal and smooth muscle are covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Kandel-Schwartz-Jessell. Principles of Neurol Science.

BIOS 1083 **Neurobiology I**

Old code 11192.2 credit points
DrBulentTurman
Offered: July. **Prerequisite:** Introductory Neurobiology BIOS 1082 (11191), Introductory Human Biology BIOS 1054 (11158). Classes: 33 hours. **Assessment:** Final Exam.
This unit introduces students to the anatomy and physiology of the nervous system, with a basic introduction to the structure and role of the somatosensory and motor pathways. A detailed discussion of the somatosensory system is included, along with a full account of spinal reflex mechanisms. The unit also contains an introduction to the autonomic nervous system. This unit of study includes anatomy laboratory classes in which human cadaveric material is examined.
Textbooks
Kundel-Schwartz-Jessell. Principles of Neural Science.

BIOS 2037 **Body Systems II**

Old code 11286.1 credit point
Offered: July. **Prerequisite:** Body Systems I BIOS 1055 (11161). **Classes:** On Campus 2 hours/week. **Assessment:** Final Exam.
This unit will present the anatomy and physiology of the renal system, the concepts of fluid and electrolyte balance and acid-base balance, the regulation of breathing. In addition, the current concepts on the body's defences and barriers to disease and tissue repair mechanisms will be considered.
Textbooks
1. Bettelheim and March. (5th ed). General Organic & Biochemistry. (1998).Saunders
2. Clinically Oriented Anatomy. (2nd ed). Moore, K.L. (1985). Williams and Wilkins
3. Microbiology and Infection Control for Health Professional. Lee, G.M. & Bishop, P. (1996). Prentice Hall, Sydney.

BIOS 2038 **Neurobiology II**

Old code 11287. 6 credit points
DrJohnBurne
Offered: February. **Prerequisite:** Neurobiology I BIOS 1083 (11192). **Classes:** On Campus 4.5 hours. **Assessment:** Final Exam.
This unit considers the anatomy and physiology of special sensory systems and the control and integration of somatic motor activity and of autonomic function. The higher functions and adaptive properties of the nervous system are also examined, as well as the physiology of pain and pain relief techniques. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems throughout the unit. The unit includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit.
Textbooks
Reference list but no prescribed texts.

BIOS 3019 **Body Systems III**

Old code 11374. 2 credit points
Dr Jennifer Lingard
Offered: February. **Prerequisite:** Body Systems II BIOS 2037 (11286). **Classes:** On Campus 3-4 hours/week over7 weeks. **Assessment:** Final Exam.
This unit will present the anatomy and physiology of the endocrine and reproductive systems, general principles of pharmacology, and the pharmacology of relevant body systems.

EXSS2008 **Biomechanics**

Old code 22208. 4 credit points
Offered: February. **Classes:** 40 hours. **Assessment:** Mid semester written examination and End of semester written examination.
This unit has three parts. The first part covers the theory of dynamics with particular application to human bodies and follows on directly from the kinematics studied in Functional Anatomy A BIOS 1064 (11172) and Functional Anatomy B BIOS 1065 (11173). The second part deals with the active and passive mechanical behaviour of body tissues while the third part considers specific applications of biomechanics of topics of interest to physiotherapists.

Textbooks

Dynamics of the Human Body. Lee, M. (1997) Sydney: Zygal.

EXSS3009 Applied Physiology

Old code 22309. 5 credit points

Offered: Full year. **Corequisite:** Body Systems III BIOS 3019 (11374). **Classes:** February 26 hours/July 48 hours.

The aim of this unit is to provide students with an understanding of the responses that occur in men and women during exercise. This unit will build upon the principles and information provided in the earlier years of the program and will also attempt to provide students with an understanding of the exercise response in both healthy (eg. marathon runners) and diseased populations (eg. peripheral vascular disease patients). The approach will be integrative, with particular attention given to the regulation of the changes in the cardiovascular, respiratory, endocrine and metabolic systems during exercise.

PHTY1013 Electrophysical Agents I

Old code 16113.4 credit points

Ms Joanne Munn & Mr Mark Stewart

Offered: July. **Corequisite:** Musculoskeletal Physiotherapy 1 PHTY 1016 (16116). **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11172). **Classes:** 49 hours. **Assessment:** Final practical and theory examinations.

This unit involves the student in the study of the physical basis and physical consequences of various electrophysical modalities. It provides the student with the opportunity to develop basic knowledge and skills in the safe and effective use of a range of modalities including conductive heating and cooling, ultrasound, pressure therapy, laser, and ultraviolet radiation. The efficacy of these treatment modalities will be explored and safety issues are emphasised. Also, an emphasis is placed on communication skills development, which is considered an integral part of quality health management. This unit has direct links with Musculoskeletal Physiotherapy I, and through this aims to develop clinical reasoning and problem solving skills with a case study based approach.

Practical: 20 hours of practical classes.

Textbooks

Electrotherapy explained: Principles and practice. (3rd ed). Low, J. and Reed, A. (2000). London: Butterworth - Heinemann

PHTY 1015 Kinesiology

Old code 16115. 6 credit points

Dr Nicholas O'Dwyer

Offered: Full year. **Corequisite:** Functional Anatomy A BIOS 1064 (11172), Psychology of Motor Behaviour BACH 1084 (25167). **Classes:** February 35 hours/July 30 hours. **Assessment:** Written exam 60%, written report 40%.

This unit provides students with a broad overview of normal movement. Students learn to observe and analyse movement and how to collect and interpret information about motor function using a wide range of qualitative and quantitative methods. The importance and practice of measurement are emphasised and the validity and reliability of different procedures are studied. Semester 1 modules are the observation of everyday movement (balanced sitting and standing, sitting and standing up, walking and running, reaching and manipulation, breathing and speech, and movement in the healthy elderly), muscle actions, measurement of joint range of motion and measurement of muscle strength. Semester 2 modules are motor learning and a motor training project. The project provides an opportunity for students to utilise the skills acquired in Semester 1 by collecting data, organising and interpreting the information and presenting the results in a written report (maximum 3000 words). Material presented in this unit is integrated with material presented in Functional Anatomy and Behavioural Sciences.

Practical: February semester, 26 hours (2 hours/week) July semester, 26 hours (2 hours/week).

PHTY 1016 Musculoskeletal Physiotherapy I

Old code 16116. 4 credit points

Ms Joanne Munn & Mr Mark Stewart

Offered: July. **Corequisite:** Electrophysical Agents I PHTY 1013 (16113). **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11-172), Kinesiology PHTY 1015 (16115) (Semester 1). **Classes:** 48 hours. **Assessment:** One written examination (50%), one practical examination (50%).

This unit aims to introduce students to musculoskeletal physiotherapy. Students will study the structure and function of the normal musculoskeletal system and the response of the system to trauma and disease. Principles of medical and physiotherapy management of musculoskeletal disorders will also be covered. Students will learn how to take a history and to perform selected physical examination and management procedures, including patient manual handling skills.

This unit has direct links with Elechophysical Agents I relating to treatment selection and interventions for various musculoskeletal conditions. Through these links it is aimed to develop clinical reasoning and problem solving skills with a case study based approach.

Practical: 2 hours/week (Weeks 1-9), 4 hours/week (Weeks 10-13).

Textbooks

Orthopaedic Physical Assessment. (3rd ed). Magee, D. J. (1997). Philadelphia: W B Saunders

PHTY 1018 Introduction to Physiotherapy Practice

Old code 16118. 3 credit points

Ms Vicki Williams

Offered: February. **Classes:** 36 hours. **Assessment:** Seminar, essay.

This unit comprises two concurrent modules: the Physiotherapy Workplace and Teaching and Learning Skills. The module on the Physiotherapy Workplace is a lecture series, in which students are introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. Coverage includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment, and the principles and process of professional documentation. The Teaching and Learning Skills module is presented in the format of workshops and seminars. With the focus on the future physiotherapy professional, the module aims to foster the development of the student as an ongoing and autonomous learner, and as a future teacher of clients, fellow health professionals and the lay community. There is also an emphasis on the development of skills in writing, in the delivery of oral presentations, in interviewing, and in teamwork and communication. Throughout the semester links are made between the two modules, to assist the student to think and act as a physiotherapist.

PHTY 2020 Cardiopulmonary Physiotherapy I

Old code 16224. 4 credit points

Ms Carolyn Gates & Mr Martin Mackey

Offered: Full year. **Prerequisite:** Body Systems I BIOS 1055 (11161). **Classes:** February 30 hours/July 21 hours. **Assessment:** Practical viva exam, two written exams.

This unit will introduce students to the knowledge, skills and clinical decision making process necessary for effective assessment and management of patients with respiratory and cardiac dysfunction. In particular, students will evaluate the pathophysiological consequences of abdominal, thoracic and cardiac surgery, infective and inflammatory condition and airflow limitation on pulmonary function and impaired cardiac function on the cardiovascular performance. Additionally, students will develop treatment strategies to effectively manage respiratory and cardiac problems. There will be an emphasis on preventative management and the unit will provide students with an opportunity to apply, integrate and extend knowledge gained in year 1 Biological Sciences, Musculoskeletal Physiotherapy and Kinesiology.

Textbooks

Physiotherapy for Respivatory and cardie problems. (2nd ed). Webber and Pryor (1998). Churchill Liuingstore.

PHTY2027 Electrophysical Agents il

Old code 16231. 4 credit points
Ms Karyn Whelan
Offered: February. **Prerequisite:** Electrophysical Agents I PHTY 1013 (16113). **Assumed knowledge:** Functional Anatomy A BIOS 1064 (11172), Functional Anatomy B BIOS 1065 (11173), Kinesiology I PHTY 1015 (16115), Musculoskeletal Physiotherapy I PHTY 1016 (16116). **Classes:** 47 hours. **Assessment:** Final practical and theory examinations.

This unit continues the study of electrophysical modalities used in clinical practice for symptom reduction and neuromuscular. improvement. The topics studied include shortwave diathermy, electrical stimulation, and surface electromyographic biofeedback. Safety issues are emphasised throughout this unit. Emphasis is also placed on communication skills development, which is considered an integral part of quality health management. In order to pass tihis unit, a satisfactory standard must be achieved in the practical component.
Practical: 26 hours of practical classes.
Textbooks

Electrotherapy Explained: Principles and Practice. (3rd ed). Low, J. and Reed, A. (2000), London: Butterworth - Heinemann

PHTY 2031 Musculoskeletal Physiotherapy II

Old code 16235. 8 credit points
Ms Leslie Nicholson
Offered: Full year. **Prerequisite:** Functional Anatomy B BIOS 1065 (11173), Musculoskeletal Physiotherapy I PHTY 1016 (16116). **Classes:** February 76 hours/July 22 hours. **Assessment:** Practical exam 20%, seminar 10%, essay (1000 words) 20%, written exam 50%.

This unit aims to equip students with the necessary cognitive and practical skills to assess and manage patients with selected problems of the peripheral musculoskeletal system. Areas covered include clinical assessment, clinical decision making, philosophy and guidelines for treatment and clinical measurement for various conditions affecting the foot, ankle, knee, hip, shoulder, elbow and hand regions. Specific therapeutic modalities taught include remedial exercise prescription, manual therapy skills (selected peripheral mobilisation techniques and soft tissue stretching), hydrotherapy, orthotics and prosthetics. Other topics include pain management, peripheral nerve injuries, osteoporosis and health promotion, sports injuries, pharmacology for physiotherapists and rheumatology.
Practical: February 4 hours/week, July 3 hours/week for 3 weeks.
Textbooks

1. Orthopaedic Physical Assessment. 3rd Edition. Magee, D.J. (1997). Philadelphia: W. S Saunders
2. Muscoloskeletal Physiotherapy Clinical Science and Practice, Gass, E. and Refshange, K. (1995). Oxford: Butterworths.

PHTY 2032 Ethical Physiotherapy Practice

Old code 16236. 1 credit point
Dr Elizabeth Ellis
Offered: July. **Corequisite:** Clinical education I PHTY 2033 (16237), or Clinical Education II PHTY 2034 (16238). **Classes:** 26 hours. **Assessment:** Seminar with video 100%.

In undertaking this unit of study students will explore the Australian Physiotherapy Association Professional Code of Ethics and the application of this code in clinical decision making. The importance of communication and respect for cultural differences in professional conduct is also addressed. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 1945 and by other health acts and the meaning of professional misconduct and other associated behaviours are also explored in both lecture and tutorial format.

PHTY 2033 Clinical Education I

Old code 16237. 7 credit points
Ms Carolyn Gates
Offered: July. **Corequisite:** Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Electrophysical Agents II PHTY 2027 (16231). **Classes:** 140 hours. **Assessment:** Continuous assessment.

The aim of this unit is to provide an opportunity for the student to develop a broad understanding of the provision of physiotherapy services in healthcare settings. Students may be placed in one of many healthcare settings such as public hospitals and community facilities. Communication skills development is an integral part of this unit. In addition, the emphasis of the placement is on safety in patient handling, on aspects of examination, on the analysis of information gained from the examination and on the implementation of a treatment program.
Practical: 140 hours clinical practice.

PHTY 2034 Clinical Education II (Community Fieldwork)

Old code 16238. 6 credit points
Ms Cheryl Hobbs
Offered: July. **Corequisite:** Ethical Physiotherapy Practice PHTY 2032 (16236). **Classes:** 105 hours. **Assessment:** Written report.
This unit of study aims to develop in students a better understanding of the healthcare system and an appreciation of the diversity of healthcare delivery. Community Fieldwork will provide students with an opportunity to create conditions conducive to independent learning. This is consistent with the University of Sydney's Generic Attributes Policy. Students will be able to investigate a particular area of interest, within the community healthcare setting.
Practical: 85 hours of practical work.

PHTY 3029 Cardiopulmonary Physiotherapy II

Old code 16330. 2 credit points
Ms Bredge McCarren
Offered: February. **Prerequisite:** Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224). **Classes:** 24 hours. **Assessment:** Written examination (60%) and case study (40%).

The aim of this unit is to continue to develop knowledge and skills in the assessment and management of patients with cardiopulmonary dysfunction. Students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective treatment management of intubated and non intubated patients in respiratory failure.
Textbooks

Intensive Care Medicine, (4th ed). Oh T.E. (1997), Sydney: Butterworth-Heinemann (recommended text)

PHTY 3036 Musculoskeletal Physiotherapy III

Old code 16337. 7 credit points
Dr Jane Latimer
Offered: Full year. **Prerequisite:** Musculoskeletal Physiotherapy II PHTY 2031 (16235). **Classes:** February 70 hours/July 16 hours. **Assessment:** Practical exams / written examinations.
Semester 1-6 credit points; Semester 2-1 credit point

This unit aims to develop the cognitive and practical skills needed to manage, at a basic level, patients presenting with selected musculoskeletal disorders of the vertebral column. Students will apply the principles of assessment and management learnt in Musculoskeletal Physiotherapy I and Musculoskeletal Physiotherapy II, to selected musculoskeletal disorders of the vertebral column. As in earlier musculoskeletal physiotherapy units, the emphasis is on evidence-based practice with students exposed to a range of physiotherapy management options for spinal pain, such as manual therapy and various forms of exercise plus the medical options for spinal pain. A small module on chronic pain is included in the unit.
Textbooks

The Back Pain Revolution, Waddell, G. (1998). Edinburgh: Churchill Liningstone

PHTY 3037 Neurological Physiotherapy I

Old code 16338. 6 credit points
Ms Louise Ada
Offered: Full year. **Prerequisite:** Neurobiology II BIOS 2038 (11287). **Corequisite:** Neurobiology II BIOS 2038 (11287). Subject to approval of Academic Advisor. **Classes:** February 52 hours/July 24 hours. **Assessment:** Viva exam (25%), Essay 1500 words (25%), examination (50%).
Semester 1-6 credit points; Semester 2-1 credit point

Neurological Physiotherapy aims to develop in students an ability to apply relevant theoretical and data-based scientifc findings to clinical practice in the area of movement dysfunction associated with disease and trauma to the nervous system. This unit introduces the impairments and disability arising from brain damage of acute onset using examples such as stroke and brain injury. Impairments such as weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations to these impairments such as the development of contracture will be studied. Students will learn to assess, train and measure outcome of everyday activities such as standing up, balancing in sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed, and swallowing. The contribution of other health professionals to the rehabilitation process is addressed. Analysis of the rehabilitation environment and strategies to increase the amount of practice carried out will be covered. The unit also examines the theoretical basis for clinical intervention encompassing a historical perspective of neurological rehabilitation. Students who fail Neurobiology II BIOS 2038 (11287) may be allowed to enrol in Neurological Physiotherapy I taking Neurobiology II BIOS 2038 (11287) as a corequisite provided they have permission of the Head of School.

Students who fail Neurobiogogy II may be allowed to enrol in Neurological Physiotherapy I taking Neurobiology II as a corequistie provided they have permission of the Head of School.

PHTY3038 Paediatrics

Old code 16339. 5 credit points
Ms Jane Butler
Offered: Full year. **Prerequisite:** Cardiopulmonary Physiotherapy I PHTY2020 (16224), Musculoskeletal Physiotherapy II PHTY2031 (16235), Biomechanics EXSS 2008 (22208). **Corequisite:** Neurological Physiotherapy I PHTY3037 (16338), Cardiopulmonary Physiotherapy II PHTY 3029 (16330),. **Classes:** February 37 hours/ July 25 hours. **Assessment:** Seminar, self-peer evaluation, viva examination.
Semester 1-3 credit points, Semester 2-2 credit points

The aim of this unit of study is to give the students the opportunity to consolidate their understanding of the musculoskeletal, cardiopulmonary and neurological systems and be able to apply this knowledge to paediatric physiotherapy. Students will be made aware of the changes which occur from infancy through to adulthood in motor, musculoskeletal and cardiopulmonary development. In addition, students will address issues related to assessment and training strategies in children with dysfunction in motor, musculoskeletal and cardiopulmonary systems.

Content in this unit of study will be presented in an integrated format utilising the principles of problem-based learning. The unit of study will also provide the opportunity for students to incorporate information which they have gained from other units of study such as Kinesiology, Physiotherapy in Neurology, Musculoskeletal Physiotherapy, Cardiopulmonary Physiotherapy, Physiotherapy Practice, Biomedical and Behavioural Sciences. It is anticipated mat this unit of study will contribute to the preparation of students for the unit Evidence-Based Practice PHTY 4068 (16469) in 4th year and the delivery of paediatric services in a range of environments upon graduation.
Textbooks
Prescribed for individual case studies

PHTY 3039 Community and Occupational Physiotherapy

Old code 16340. 4 credit points
Ms Gwenda Lansbury & Mr Martin Mackey
Offered: Full year. **Corequisite:** Body Systems III BIOS 3019 (11374), Musculoskeletal Physiotherapy ill PHTY 3036 (16337). **Classes:** February 26 hours/July 26 hours. **Assessment:** February: Group seminar or professional poster (20%), 1 hour written exam (30%) July: Written examination (50%).
Semester 1-2 credits points, Semester 2-2 credits points

This unit examines three major primary health care issues that are pertinent to physiotherapy practice. These are health promotion, occupational health and gerontology. The principles and practice of health promotion are explored within a community based framework, with a specific reference to the well elderly, and are applied to the role of the physiotherapist's contribution in a number of healthcare areas including, for example: elderly people with disease and/or disability; pregnant women; people with burn injuries, especially children, people with amputations, with HIV/AIDS, diabetes, mental illness and Aboriginal health issues pertinent to physiotherapy. The theory and practice of infection control are addressed. Other issues that are examined are those that are important in the provision of a professional physiotherapy service, which include marketing and business and quality management.

Semester 1 covers the modules health promotion, ergonomics and occupational health and gerontology. Semester 2 covers the modules: special populations, infection control, marketing and business and quality management.

PHTY 3040 Exercise and Health

Old code 16341. 2 credit points
Ms Jennifer Alison
Offered: July. **Prerequisite:** Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Body Systems II BIOS 2037 (11286). **Corequisite:** Applied Physiology EXSS 3009 (22309). **Classes:** 24 hours. **Assessment:** 30 minute seminar presentation and written examination.

This unit further develops student's knowledge of exercise, and aims to apply the principles of exercise testing, prescription and training. These principles will be applied to patients who have cardiac and pulmonary limitations to exercise. There will be further scope to apply the principles of exercise to patient groups with various medical disorders and to the normal population to promote health.

PHTY 3041 Clinical Education III

Old code 16342.13 credit points
Dr Catherine Dean
Offered: July. Prerequisite: Clinical Education I PHTY 2033 (16237), Electrophysical Agents II PHTY 2027 (16231), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. Corequisite: Neurological Physiotherapy I PHTY 3037 (16338), Musculoskeletal Physiotherapy III PHTY 3036 (16337). Classes: 175 hours. Assessment: Continuous assessment.
This unit of study will involve clinical placement in one of the following areas: musculoskeletal, neurology, cardiopulmonary or elective. Students will build on experience gained in Clinical Education I. They will be expected to demonstrate an increased ability in the management of patients (assessment, treatment and evaluation). In addition, professional practices will be emphasised.
Practical: 175 hours of clinical practice.

PHTY 3042 Research for Physiotherapists

Old code 16343. 4 credit points
Ms Gwen Lansbury
Offered: Full year. **Classes:** February 70 hours/July 16 hours. **Assessment:** Seminar (50%), Literature Review (50%).
Semester 1-3 credit points. Semester 2-1 credit point.

This unit enables students to build on previous knowledge of research methods and to develop skill in applying this to research models for physiotherapists. The unit enables students to evaluate the suitability of assumptions made in physiotherapy related research, to evaluate design strategies used and their appropriateness for the research undertaken and to design and evaluate effective sampling procedures for a particular research project. By the time students have completed the unit they will have prepared a written research proposal.

PHTY 4066 Clinical Education IVA

Old code 164G7. 9 credit points
Ms Vicki Williams
Offered: February. **Prerequisite:** Clinical Education III PHTY 3031 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073.(164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175hours. **Assessment:** . Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education F/A, F/B, F/C or F/D.

Practical: 175 hours of clinical practice.

PHTY 4067 Clinical Education IVB

Old code 164G8. 9 credit points
Ms Cheryl Hobbs
Offered: February. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education F/A, F/B, F/C or F/D.

Practical: 175 hours of clinical practical.

PHTY 4068 Evidence-Based Practice

Old code 164G9. 3 credit points ..-,..
Dr Robert Herbert
Offered: Full year. **Prerequisite:** Research Methods I: Design BEHS 1108 (101C5), Research Methods II: Analysis BEHS 2111 (102C3). **Classes:** February 13 hours/July 39 hours. **Assessment:** Report 40% and examination 60%.

Semester 1-1 credit point, Semester 2-2 credit points

In this unit students will learn how clinical epidemiology research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists, and how to apply that information to individual patients.

Textbooks

Evidence-based Medicine. (2nd ed). Sachett, D. L. et al. (2000). Churchill-Livingstone

PHTY 4069 Complex Cases

Old code 164H0.2 credit points
Ms Virginia Fowler
Offered: Full year. Prerequisite: Cardiopulmonary Physiotherapy II. PHTY 3029 (16630), Musculoskeletal Physiotherapy PHTY 3036, (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341). Classes: February 21 hours/July 15 hours. Assessment: Examination (10 minutes) in July semester.

The aim of this unit of study is to enable students to develop their skills in analysing and planning management of patients with multi-system and/or complex problems. Students are required to integrate material from core areas of musculoskeletal, cardiopulmonary, neurological and paediatric physiotherapy. The unit of study involves in-depth discussion of a small number of case studies in tutorials. The case studies are changed each year to enable a range of clinical practice to be studied in detail. Lectures provide extra information to the cases under discussion.

PHTY 4070 **Elective**

Old code 164H1.2 credit points
Dr Colleen Canning
Offered: February, July. **Classes:** Variable depending on the nature of elective unit.

Students negotiate an approved elective, either from within the School of Physiotherapy or from another School or Department in the Faculty of Health Sciences or the wider University. The School of Physiotherapy will offer a number of electives which will run as independent learning or semi-independent learning units. Students are not permitted to enrol in units for which attendance and/or assessment requirements conflict with Clinical Education syllabus. Students must have completed Clinical Education IE before taking an elective offered by the School of Physiotherapy.

PHTY 4071 Advanced Manipulation Skills

Old code 164H2.1 credit point
Dr Kathryn Refshauge
Offered: July. **Prerequisite:** Musculoskeletal Physiotherapy III PHTY 3036 (16337). **Classes:** 16 hours. **Assessment:** Practical exam.

Advanced Manipulation Skills aims to further advance student's ability to employ evidence-based practice in the management of musculoskeletal conditions of the periphery and the spine. Students study practical and theoretical aspects of manipulative physiotherapy to encourage integration of selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. Students evaluate the efficacy of advanced manipulative procedures, and the mechanisms of effect where known. Students also practice the application of advanced manipulative procedures including manipulation of selected peripheral and spinal joints. Students thus practice and evaluate a range of strategies to decrease pain and impairment and to improve function in patients with acute, sub-acute and chronic pain. The roles of other health professionals in management of musculoskeletal conditions are also examined, including exposure to the chiropractic perspective in managing musculoskeletal conditions. This unit also examines the theoretical base for clinical intervention encompassing a historical perspective of musculoskeletal physiotherapy and examines other approaches to management of musculoskeletal conditions.

Practical: 11 hours of practical classes.

Textbooks

Musculosketal Physiotherapy Clinical Science and Practice. Refshauge and Gass, (1995). Butterworth-Heinedown

PHTY 4072 Neurological Physiotherapy II

Old code 164H3.1 credit point
Dr Colleen Canning
Offered: July. **Prerequisite:** Neurological Physiotherapy I PHTY 3037 (16338). **Classes:** 17 hours.

This unit introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barre syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long-term conditions of the nervous system.

PHTY 4073 Clinical Education IVC

Old code 164H4. 9 credit points
Ms Vicki Williams
Offered: July. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy IE are precluded from undertaking the Musculoskeletal Module of Clinical Education F/A, F/B, F/C or IVD.

Practical: 175 hours clinical practical.

PHTY 4074 Clinical Education IVD

Old code 164H5. 9 credit points
Dr Catherine Dean
Offered: July. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.
Practical: 175 hours clinical practical.

PHTY 4075 Clinical Education I1IIIA

Old code 164H6. 9 credit points
Ms Vicki Williams
Offered: February. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330) (Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 140 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal unit. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY 4066 (164G7) Clinical Education IVA.
Practical: 140 hours clinical practical.

PHTY 4076 Clinical Education IVHB

Old code 164H7. 9 credit points
Dr Catherine Dean
Offered: February. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 140 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY 4067 (164G8) Clinical Education IVB.
Practical: 140 hours clinical practical.

PHTY 4077 Honours Research Seminar

Old code 164H8. 5 credit points
Ms Gwenda Lansbury
Offered: Full year. Corequisite: Honours Thesis PHTY 4083 (16414). **Classes:** February 21 hours/July 15 hours.
The aim of this unit is to develop students' skills required to present orally their research project and to produce their thesis. This unit supports Honours students with their ongoing research. It is intended mat students will develop their presentation abilities, critical analysis skills and their understanding of the research process.

PHTY 4083 **Honours Thesis**

Old code 16414. 12 credit points
Dr Sharon Kilbreath
Offered: Full year. **Corequisite:** Honours Research Seminar PHTY 4053(164F2).
Semester 1-5 credit points, Semester 2-7 credit points

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of physiotherapy. As part of this and other Honours units, each student will design and implement an approved research project and submit a mesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor.

CHAPTER 14

Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: The School of Indigenous Health Studies was established in February 1999. The Schools' vision is to facilitate improvements in Indigenous health and well being through innovation and excellence in teaching and research. The School provides professional education and training for Indigenous health workers at the undergraduate and postgraduate levels. It conducts and supervises research projects in Indigenous community health. It also offers a comprehensive academic support program for Indigenous students enrolled in the Faculty of Health Sciences.

The School teaches two **undergraduate programs,** the Diploma and Bachelor Health Sciences (Aboriginal Health and Community Development). These programs incorporate a number of innovative features designed to facilitate flexible learning options for Indigenous students. These include block mode and distance mode delivery, provisions for special entry for Indigenous students, articulation with other tertiary and accredited providers, third year entry to the Bachelor degree, mid year intake, block credit transfer for units undertaken in other institutions and recognition of prior learning. The School also facilitates community based and independent learning which it is developing through a variety of media.

The School also offers two **enabling programs** for Indigenous students. The Aboriginal Health Science Preparatory Program is undertaken prior to formal enrolment in an undergraduate program and the Aboriginal Health Science Support Program which provides a 'reduced load' option which enables students to undertake the first year of their undergraduate program over two years.

The School adopts a **multidisciplinary approach** to teaching and learning in the health sciences. Central to the School's philosophy and curriculum is a focus on the health and community development needs of Aboriginal and Torres Strait Islander people. This focus is also pertinent to the needs of other Indigenous communities with whom Yooroang Garang has developed collaborative links.

The **Diploma of Health Science** (Aboriginal Health and Community Development) has evolved from the Certificate and Associate Diploma in Aboriginal Health first offered at Cumberland campus in the 1980s. The Diploma has undergone major curriculum revision and continues to provide students with a basic training in the broad range of areas required by most Aboriginal health workers. Graduates of the program work with specific client groups such as in drug and alcohol, women's health services, Aboriginal Medical services or in other health and community fields. This course incorporates competency levels A to D of the Aboriginal and Torres Strait Islander Health Worker Competency Standards.

The **Bachelor of Health Science** (Aboriginal Health and Community Development.) was first offered as a 3-year degree in 1993. After extensive consultation a major revision was undertaken in 1996 and the course was taught as a 4-year degree from 1998. This innovative program is designed to provide students with maximum recognition of prior learning and flexible course options (entry and exit points).

The Bachelor's program is taught in two stages. The first stage (years one and two) incorporates the Diploma program. The second stage (years three and four) enable individual students to elect a program of study, which is best suited to the needs of their workplace, community and individual interests. The third year entry is also open to graduates of diploma courses in Education, Community Management, Social Welfare and Aboriginal Studies. The Diploma and Bachelor programs are both offered in block-study mode to facilitate access to these courses for the broadest range of students

The degree offers a professional program in Aboriginal Health and Community Development. On completion students will have the attributes required to commence a career in Aboriginal health work and related areas. They may be employed in Aboriginal health, community development or other related roles.

In 1999 School has introduced a series of **articulated graduate coursework programs** as well as a research Master's degree and PhD level studies. The Graduate Certificate, Graduate Diploma and Master in Health Science (Indigenous Community Health) are offered in distance mode. These programs are available to Indigenous and non-Indigenous people interested in developing their skills in planning, implementing and evaluating community health programs, health promotion and cultural awareness.

Further course information about the School's programs may be obtained from the School on (02) 9351 9393.

Diploma of Health Science (Aboriginal Health and Community Development)

The Diploma of Health Science (Aboriginal Health and Community Development) is open to Aboriginal people. It is conducted in block mode over 2 years. Students attend a two day assessment and interview session during the commencement of the semester and for four ten day blocks each year as well as completing two weeks of field placements each year.

Admission requirements

In general the kind of applicant sought is one with an appropriate life experience, motivated to work effectively with Aboriginal communities and possessing those personal attributes required to liaise with government departments and community agencies. Applicants should be Aboriginal and have a background in at least one of the following areas:

Work Experience - Employment over a period of some years in an area relevant to the course.

Education - Completion of Higher School Certificate or equivalent, for example, completion of a tertiary education preparation course; some standing in a course at another tertiary institution, or completion of a health workers' course conducted by an Aboriginal community organisation.

Life Experience - Voluntary participation in Aboriginal community organisations, for example, Aboriginal Education Consultative Groups, Aboriginal Land Councils, or Aboriginal Cooperatives.

Course outline

The course outline for the Diploma of Health Science (Aboriginal Health and Community Development) is presented in Table 14.1.

Table 14.1: Diploma of Health Science (Aboriginal Health and Community Development)

Course code 0767 — Mode of offer: Full-time; 2: years block attendance, plus off-campus

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD 1028	(07177)	Perspectives in Indigenous Health I	6	-
AHCD 1029	(07179)	Communication Studies I	6	-
AHCD 1030	(07180)	Primary Health Care I	6	-
AHCD 1031	(07181)	Community Development I	-	6
AHCD 1032	(07182)	Introduction to Counselling Skills	-	6
AHCD 1035	(07185)	Professional Practice I	-	6
		Elective Studies IA[1]	-	6
		Elective Studies IB[1]	6	-
		Stage total (48 credit points for Year 1)	24	24
*Year **2***				
AHCD 2013	(07260)	Perspectives in Indigenous Health II	-	6
AHCD 2014	(07261)	Communication Studies II	-	6
AHCD 2015	(07262)	Primary Health Care II	-	6
AHCD 2016	(07263)	Community Development II	6	-
AHCD 2017	(07264)	Counselling Theory and Methods A	6	-
AHCD 2020	(07267)	Professional Practice II	6	-
		Elective Studies IIA[2]	6	-
		Elective Studies IIB[2]	-	6
		Stage total (48 credit points for Year 2)	24	24

Notes to Table 14.1

1. AHCD 1036 (07126) Alcohol and Other Drugs I will be offered as Elective Studies IA in 2001
BIOS 1076 (11184) Biological Sciences I will be offered as Elective Studies IB in 2001.
2. AHCD 2021 (07268) Alcohol and Other Drugs II will be offered as Elective Studies IIA in 2001
BIOS 2090 (112E5) Biological Sciences II will be offered as Elective Studies IIB in 2001.

Bachelor of Health Science (Aboriginal Health and Community Development)

Aboriginal Health and Community Development is a specialised field of community and health work. It involves the identification of health and health-related problems and the solutions to these problems within the context of the broader socio-economic development of Aboriginal communities. Community participation and initiative are strongly emphasised.

Graduates from this course will be equipped to develop programs which meet the health and community development needs of Aboriginal people. They may work with specific client groups (such as in drug and alcohol or women's health services) or in broader health and community fields. Employment opportunities also exist in Aboriginal identified positions in health and community centres, in health promotion and education, and in a range of community development roles.

The Bachelor of Health Science (Aboriginal Health and Community Development) course is offered in a four year program. It is a full-time block attendance programs.

Admission requirements

There are no specific prerequisites to the Bachelor of Health Science (Aboriginal Health and Community Development) course. The general admission requirements in Chapter 3 apply. Applicants may be required to attend the Faculty for an interview.

Course outline

The course outlines for the Bachelor of Health Science (Aboriginal Health and Community Development) are presented in Tables 14.2.

Unit descriptions

Unit descriptions for course code 0780 year 1 and year 2 are as for the Diploma, and are listed at the end of this chapter.

Honours program

For information specific to the Honours Program in Aboriginal Health and Community Development students are advised to contact the Course Coordinator in Yooroang Garang.

Table 14.2 Bachelor of Health Science (Aboriginal Health and Community Development)

Course code	Mode of offer
0780	Pass course; Full-time, 4 years, block attendance, plus off-campus
0781	Honours program; Full-time, 4 years, block attendance, plus off-campus

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
AHCD 1028	(07177)	Perspectives in Indigenous Health I	6	-
AHCD 1029	(07179)	Communication Studies I	6	-
AHCD 1030	(07180)	Primary Health Care I	6	-
AHCD 1031	(07181)	Community Development I	-	6
AHCD 1032	(07182)	Introduction to Counselling Skills	6	-
AHCD 1035	(07185)	Professional Practice I	-	6
AHCD 1036	(07126)	Alcohol and Other Drugs I	-	6
BIOS 1076	(11184)	Biological Sciences I	-	6
		Stage total (48 credit points for Year 1)	24	24
Year 2				
AHCD 2013	(07260)	Perspectives in Indigenous Health **II**	-	6
AHCD 2015	(07262)	Primary Health Care II	6	-
AHCD 2016	(07263)	Community Development II	6	-
AHCD 2017	(07264)	Counselling Theory and Methods A	6	-
AHCD 2020	(07267)	Professional Practice **II**	6	-
AHCD 2021	(07268)	Alcohol and Other Drags II	—	6
BACH 2033	(2521M)	Health and Human Behaviour I	—	6
BIOS 2090	(112E5)	Biological Sciences II	—	6
		Stage total (48 credit points for Year 2)	24	24
Year 3				
AHCD 3008	(07342)	Indigenous Community Health Project A (Planning)	-	6
AHCD 3009	(07343)	Professional Practice III	-	6
		Research Elective IIIA[1]	6	-
		Research Elective IIIB[1]	-	6
		Electives[2]	18	6
		Stage total (48 credit points for Year 3)	24	24
Year 4				
AHCD 4001	(074B5)	Indigenous Community Health Project B	6	-
AHCD 4002	(074B6)	Professional Practice IV	-	12
		Electives[2]	18	12
		Stage total (48 credit points for Year 4)	24	24

Honours program

Year 3				
AHCD 3009	(07343)	Professional Practice III	-	6
AHCD 3011	(07345)	Honours Workshop A	-	6
		Research Elective IIIA[1]	6	-
		Research Elective IIIB[1]	6	-
		Electives[2]	12	12
		Stage total (48 credit points for Year 3)	24	24
Year 4				
AHCD 4005	(074B7)	Research Thesis A	-	12
AHCD 4006	(074B8)	Research Thesis B	-	18
AHCD 4052	(07445)	Honours Workshop B	6	-
		Research Elective IVA[1]	6	-
		Research Elective IVB[1]	6	-
		Stage total (48 credit points for Year 4)	18	30

Notes to Table 14.2

1. Students choose 2 Research Electives in Year 3 of the Pass Program and 2 additional Research Electives for Year 4 Honours selected from the list below.
2. Students choose 4 electives in Year 3 and 5 electives in Year 4. All elective units are presented in related streams as outlined below. Students may choose to specialise by selecting all electives from one stream, or may select across streams.

Electives (6 credit points each, offered subject to sufficient demand and staff availability)			Semester
Research Stream			
AHCD 4007	(07401)	Epidemiology	1
AHCD4008	(07402)	Introduction to Health Research	1
AHCD 4016	(07410)	Participant Observation and Ethnography	1
AHCD 4018	(07412)	Action Research	2
AHCD 4037	(07430)	Research Seminar	1&2
AHCD 4038	(07431)	Quantitative Research Methods*	2
AHCD 4039	(07432)	Historical Research*	2
BACH 4052	(25451)	Social Research	2
Counselling and Indigenous Mental Health Stream			
AHCD 3010	(07344)	Counselling Theory and Methods B	1
AHCD 4011	(07405)	Family Therapy	1
AHCD 4020	(07414)	Group Processes and Counselling	1
AHCD 4021	(07415)	Art Therapy*	1
AHCD 4028	(07422)	Alcohol and Other Drugs Counselling*	2
AHCD 4030	(07423)	Issues in Indigenous Mental Health	1
AHCD 4040	(07433)	Addictions Counselling	2
AHCD 4041	(07434)	Counselling with Art Therapy	2
AHCD 4042	(07435)	Wellness	2
BACH 4053	(25452)	Health and Human Behaviour II	2
Indigenous Community Development and Management Stream			
AHCD 4012	(07406)	Communication in Indigenous Communities	1
AHCD 4015	(07409)	Health Computing*	1
AHCD 4017	(07411)	Community Development in	2
AHCD 4019	(07413)	Community Development IV	1
AHCD 4026	(07420)	Health Management Theory	1
AHCD 4031	(07424)	Health Management Practice	2
AHCD 4032	(07425)	Health Planning, Policy and Evaluation I	2
AHCD 4043	(07436)	Computer Skills in the Media	2
AHCD 4044	(07437)	The Health Worker and the Law	2
AHCD 4045	(07438)	Indigenous Health Information Management	1
AHCD 4050	(07443)	Health Planning, Policy and Evaluation II	2
AHCD 4053	(07446)	Human Rights and Social Justice	2
Primary Health Care and Health Promotion Stream			
AHCD 4033	(07426)	Perspectives in Indigenous Health III	1&2
AHCD 4010	(07404)	Perspectives in Indigenous Health IV*	2
AHCD 4013	(07407)	Nutrition and Lifestyle	2
AHCD 4014	(07408)	Contemporary Issues in Health Law, and Medicine	
AHCD 4022	(07416)	Health Promotion for Indigenous Communities II	
AHCD 4023	(07417)	Health Promotion for Indigenous Communities III	2
AHCD 4025	(07419)	Multiculturalism and Indigenous Issues	
AHCD 4027	(07421)	Ethics	
AHCD 4034	(07427)	Health Promotion for Indigenous Communities I	
AHCD 4035	(07428)	Primary Health Care III	
AHCD 4036	(07429)	Art and Media in Indigenous Health Promotion	
AHCD 4046	(07439)	Early Disease Intervention for Aboriginal Health Workers in Remote Areas A	2
AHCD 4047	(07440)	Early Disease Intervention for Aboriginal Health Workers in Remote Areas B	1
AHCD 4049	(07442)	Skills for Teaching Health	2
BIOS 3046	(113A1)	Biological Sciences III	2
BIOS 3051	(113A4)	Biological Sciences HIA	2
Indigenous Environmental Health and Housing Stream			
AHCD 4024	(07418)	Housing and Environmental Health	2
AHCD 4048	(07441)	Issues in Housing and Environment Health	1
AHCD 4051	(07444)	Indigenous Health and Housing	1

*Not offered in 2001

Aboriginal Health Science Support Program

Students in the Aboriginal Health Science Support Program undertake a selection of the following Support Program units, based on an individual needs assessment conducted by Yooroang Garang, and depending on the students' course and course load. The average number of hours in the Support Program is six to eight hours per week for the first two years of enrolment and one to four hours in their third year.

Admission requirements

Admission to the Aboriginal Health Science Support Program is dependent upon satisfying the eligibility criteria under the Cadigal Policy (see Chapter 3). Selection of students under this Policy may be based on an interview. All students who are offered a place in an award course under the Cadigal Policy will participate in the Aboriginal Health Science Support Program during the first three years of enrolment.

Course outline

The course outline for the Aboriginal Health Science Support Program is presented in Table 14.3.

Table 14.3: Aboriginal Health Science Support Program

Course code: 0740 — Mode of offer: Part-time; 3 years

Average student hours: 6+8 hours per week over first two years, 1+4 hours per week over third year

Unit code	(old code)	Unit name	Sem 1	Sem 2
AHCD 1009	(07157)	Anatomy Support (A)	4[1]	-
AHCD 1012	(07160)	Biological Sciences Support (A)	3	3
AHCD 1013	(07161)	Biological Sciences Support (B)	3[3]	-
AHCD 1014	(07162)	Physics Support	4	2
AHCD 1015	(07163)	Research Methods Support (I)	3[3]	-
AHCD 1007	(07151)	Aboriginal Studies	1[3]	-
AHCD 1006	(07149)	Study Skills	3	1
AHCD 1016	(07164)	Professional Studies Support (IA)	2[3]	-
AHCD 1017	(07165)	Professional Studies Support (IB)	2	2
AHCD 1018	(07166)	Biomechanics Support (1)	2[2,3]	-
AHCD 1019	(07167)	Neurobiology Support	3[3]	-
AHCD 1020	(07168)	Behavioural Sciences Support (A)	2[3]	-
AHCD 1021	(07169)	Behavioural Sciences Support (B)	3	3
AHCD 1023	(07171)	Mathematics Support(A)	1[3]	-
AHCD 1024	(07172)	Mathematics Support(B)	1	1
AHCD 2008	(07255)	Biomechanics Support (2)	2[3]	-
AHCD 2009	(07256)	Professional Studies Support (2)	1	1
AHCD 2010	(07257)	Research Methods Support (2A)	3[3]	-
AHCD 2011	(07258)	Research Methods Support (2B)	2	2
AHCD 1010	(07158)	Anatomy Support (B)	-	2
AHCD 1011	(07159)	Biological Sciences Orientation	-	2
AHCD 1022	(07170)	Mathematics Orientation	-	1
AHCD 1037	(07186)	Counselling Support	6[3]	-
AHCD 1053	(07187)	Community Development Support	6[3]	-
AHCD 1054	(07188)	Primary Health Care Support	6[3]	-
AHCD 1055	(07189)	Indigenous Studies Support	6[3]	-
AHCD 1056	(07190)	Communication Studies Support	6[3]	-
AHCD 1057	(07191)	Biological Sciences Support	6[3]	-

Notes to Table 14.3

1. Includes 2 credit points prior to start of academic year
2. Includes 1 credit point prior to start of year
3. Offered semester 1 or 2

Aboriginal Health Science Preparatory Program

Admission requirements

Admission to the Aboriginal Health Science Preparatory Program is based on an assessment (including interview) conducted by Yooroang Garang. It is expected that students who do not meet the eligibility criteria under the Cadigal Policy, may apply for entry to the Preparatory Program. However it should be noted that successful completion of the Preparatory Program does not guarantee a student a place in a degree course, but does provide them eligibility for selection under the Cadigal Policy. The Preparatory Program is open to. students with an UAI lower than that needed under the Aboriginal Special Admission Policy and mature age students over the age of 21.

Course outline

The course outline for the Aboriginal Health Science Preparatory Program is presented in Table 14.4.

Table 14.4: Aboriginal Health Science Preparatory Program

Course code	Mode of offer
0782	Full-time
0783	Full-time (Block Mode)

Unit code	(old code)	Unit name	Sem 1	Sem 2
AHGD 1058	(07192)	Mathematics Workshop A	4	-
AHCD 1059	(07193)	Academic Skills Workshop A	4	-
AHCD 1060	(07194)	Human Biology Workshop A	4	-
AHCD 1061	(07195)	Aboriginal Studies A	4	-
AHCD 1062	(07196)	Anatomy Workshop A	4	-
AHCD 1063	(07197)	Behavioural Science Workshop A	4	-
AHCD 1064	(07198)	Mathematics Workshop B	-	4
AHCD 1065	(07199)	Academic Skills Workshop B	-	4
AHCD 1066	(071A0)	Human Biology Workshop B	-	4
AHCD 1067	(071A1)	Aboriginal Studies B	-	4
AHCD 1068	(071A2)	Anatomy Workshop B	-	4
AHCD 1069	(071A3)	Behavioural Science Workshop B	-	4

Units of study

AHCD1006 **Study Skills**
Old code 07149. 4 credit points
Offered: February, July.
This unit introduces students to the skills needed for successful tertiary study, particularly related to health science courses. Topics covered include time management, research skills, exam preparation skills and writing skills.

AHCD1007 **Aboriginal Studies**
Old code 07151.1 credit point
Offered: February, July.
This unit examines the historical, social, economic and political factors relevant to Aboriginal people today, particularly in relation to health. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginal identity.

AHCD 1009 **Anatomy Support (A)**
Old code 07157.4 credit points
Offered: February.
This unit commences two weeks prior to the start of the academic year. It begins by introducing students to the principles of studying anatomy and orienting them to the anatomy laboratories. The unit continues to be offered concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1010 **Anatomy Support (B)**
Old code 07158.2 credit points
Offered: July.
The unit runs concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1011 **Biological Sciences Orientation**
Old code 07159.2 credit points
Offered: July.
The material covered in this unit depends on the course being undertaken by the student. The pre-course option is offered only in semester 2 and aims to provide students with an understanding of the fundamental concepts of chemistry and physiology needed for successful participation in the human biology component of their course in the following year.

AHCD 1012 **Biological Sciences Support (A)**
Old code 07160. 6 credit points
Offered: Full year.
These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD 1013 **Biological Sciences Support (B)**
Old code 07161.3 credit points
Offered: February.
These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

AHCD 1014 **Physics Support**
Old code 07162. 6 credit points
Offered: Full year.
The unit is designed for students enrolled in Medical Radiation Technology who may not have a strong background in physics. It aims at both preparing students for study in physics-related units, and the opportunity to revise and consolidate concepts covered in the physics component of their course. It also covers the mathematical concepts required.

AHCD 1015 **Research Methods Support (1)**
Old code 07163. 3 credit points
Offered: February.
This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 1016 **Professional Studies Support (1 A)**
Old code 07164.2 credit points
Offered: February.
These unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 1017 **Professional Studies Support (1B)**
Old code 07165. 4 credit points
Offered: Full year.
These unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 1018 **Biomechanics Support (1)**
Old code 07166. 2 credit points
Offered: February, July.
This unit aims to provide an introduction to the fundamental principles of biomechanics as well as provide students in the first year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 1019 **Neurobiology Support**
Old code 07167. 3 credit points
Offered: July.
This unit aims to introduce students to the fundamental concepts of neurobiology and to provide students with an opportunity to revise and consolidate content covered in the neurobiology component of their course.

AHCD 1020 **Behavioural Sciences Support (A)**
Old code 07168. 2 credit points
Yooroang Garang
Offered: July.
These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide mem with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD 1021 **Behavioural Sciences Support (B)**
Old code 07169. 3 credit points
Offered: Full year.
These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD 1022 **Mathematics Orientation**
Old code 07170.1 credit point
Offered: July.
This is offered only in semester 2 and aims to provide students with the fundamental mathematical concepts being introduced to students in the introduction to fundamentals of human biology course.

AHCD 1023 **Mathematics Support (A)**
Old code 07171.1 credit point
Offered: Full year.
The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1024 **Mathematics Support (B)**
Old code 07172. 2 credit points
Offered: Full year.
The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1028 **Perspectives in Indigenous Health I**

Old code 07177. 6 credit points
Offered: February. Classes: Block mode (3x5 days).
This unit introduces students to indigenous perspectives in health. Part I, Dreamings - Culture - Society focuses on traditional or pre-contact Aboriginal lifestyle, philosophy and law, and also explores issues of identity for contemporary Aboriginal people. Part II, culture contact and conflict is based on case studies from around Australia which provide examples of the diversity of contact with non aboriginal people - post invasion. Guest lecturers and field trips will be important components.

AHCD 1029 **Communication Studies I**

Old code 07179. 6 credit points
Mr Shayne Williams
Offered: February. Classes: Block mode (3x5 days). Assessment: Essay, worksheets, class exercise, participation.
This unit of study helps you to develop academic and professional skills that are an essential part of studying at university and working in Aboriginal settings. Topics covered include computer and information literacy, critical reading and writing skills, multi media presentations, as well as workplace communication skills such as submission writing.

AHCD 1030 **Primary Health Care I**

Old code 07180. 6 credit points
Offered: February.
This unit aims to provide the student with knowledge of cultural attitudes to health and ill health in Aboriginal communities. Models of family, kinship, and community will be outlined to identify the role each plays in health. A holistic approach to analyse health, and disease in indigenous communities will be defined. The role of the health worker in improving primary health care to the community will be explored.

AHCD 1031 **Community Development I**

Old code 07181. 6 credit points
Offered: July.
This unit provides a background to community development in Aboriginal and Torres Strait Islander communities. Students will gain an understanding of the diversity of Aboriginal & Torres Strait Islander communities of today and the impact of this diversity on the needs, development, approach, etc. It will focus on the community development process and the importance of community participation at all levels. The student will develop a profile of an Aboriginal community.

AHCD 1032 **Introduction to Counselling Skills**

Old code 07182. 6 credit points
Offered: February.
This unit will introduce students to the basic skills of communication and counselling. It aims to assist students to develop a broad concept of what counselling is and how it is practised in the context of the Aboriginal Health and Community Development. The focus is on interviewing and communication skills.

AHCD 1035 **Professional Practice I**

Old code 07185. 6 credit points
Offered: July.
This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 1036 **Alcohol and Other Drugs I**

Old code 07126. 6 credit points
Mr Shane Merritt
Offered: July. Classes: Block mode. **Assessment:** Assignments and attendance/participation.
The social, political, psychological and physical factors which contribute to the development of alcohol and other drug related problems are examined and the pharmacology of the more common drugs, both prescribed and illegal, is studied. Skills are developed in identifying and responding to drug related crises and in assessing community needs not met by existing drag and alcohol services.
Practical: Field trip assessment.

AHCD 1037 **Counselling Support**

Old code 07186. 6 credit points
Offered: Full year.
This unit is conducted concurrently with Counselling units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Counselling units.

AHCD 1053 **Community Development Support**

Old code 07187. 6 credit points
Offered: February.
This unit is conducted concurrently with Community Development units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material arid identify and develop the academic skills required to successfully complete the Community Development units.

AHCD 1054 **Primary Health Care Support**

Old code 07188. 6 credit points
Offered: February.
This unit is conducted concurrently with Primnary Health Care units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Primnary Health Care units.

AHCD 1055 **Indigenous Studies Support**

Old code 07189. 6 credit points
Offered: February.
This unit is conducted concurrently with Indigenous Studiesunits in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Indigenous Studies units.

AHCD 1056 **Communication Studies Support**

Old code 07190. 6 credit points
Offered: February.
This unit is conducted concurrently with Communication Studies units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Communication Studies units.

AHCD 1057 **Biological Sciences Support**

Old code 07191. 6 credit points
Offered: February.
This unit is conducted concurrently with Biological Sciences units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

AHCD 1058 **Mathematics Workshop A**

Old code 07192. 4 credit points
Offered: February.
This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD 1059 **Academic Skills Workshop A**

Old code 07193. 4 credit points
Offered: February.
This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational

background; and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD 1060 **Human Biology Workshop A**

Old code 07194.4 credit points
Offered: February.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relecant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1061 **Aboriginal Studies A**

Old code 07195. 4 credit points
Offered: February.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD 1062 **Anatomy Workshop A**

Old code 07196. 4 credit points
Offered: February.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculo-skeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD 1063 **Behavioural Science Workshop A**

Old code 07197. **Offered:** February.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1064 **Mathematics Workshop B**

Old code 07198.4 credit points
Offered: July.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD 1065 **Academic Skills Workshop B**

Old code 07199. 4 credit points
Offered: July.

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD 1066 **Human Biology Workshop B**

Old code 071A0. 4 credit points
Offered: July.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relecant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1067 **Aboriginal Studies B**

Old code 071A1. 4 credit points
Offered: July.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD 1068 **Anatomy Workshop B**

Old code 071A2. 4 credit points
Offered: July.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculo-skeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD 1069 **Behavioural Science Workshop B**

Old code 071 A3. **Offered:** February.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 2008 **Biomechanics Support (2)**

Old code 07255. 2 credit points
Offered: February.

This unit aims to provide students in the second year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 2009 **Professional Studies Support (2)**

Old code 07256. 2 credit points
Offered: Full year.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 2010 **Research Methods Support (2A)**

Old code 07257. 3 credit points
Offered: February.

This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 2011 **Research Methods Support (2B)**

Old code 07258. 4 credit points
Offered: Full year.

This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 2013 **Perspectives in Indigenous Health II**

Old code 07260. 6 credit points
Offered: February.

This unit provides an historical perspective to the study of Indigenous health through its focus on race relations in Australia during the twentieth century. It identifies mechanisms of control by government and church groups; in particular, institutionalization, and explores their physical and psychological effects on indigenous health. This unit also examines the nature and function of government agencies for Aborigines since 1967 and the development of various policies and strategies the local state and national levels. Guest lecturers and field trips will continue to be important components.

AHCD 2014 **Communication Studies II**

Old code 07261. 6 credit points
Offered: February.

This unit of study enables students to examine the process of communication in the workplace including organisational communication and will develop skills such as team building, decision making, problem solving, conflict resolution and negotiation skills.

AHCD 2015 **Primary Health Care II**

Old code 07262. 6 credit points
Offered: July.

This unit will focus on issues of ill health in indigenous communities across Australia. Today Aboriginal people are suffering from bom third world and modern illnesses as fourth world (minority) citizens of Australia. This unit focuses on issues of health and human behaviour that are of particular interest to the Aboriginal Health Professional.

AHCD 2016 **Community Development II**

Old code 07263. 6 credit points
Offered: February.

Students will develop skills for community development planning. Students will write community development strategic plans address issues in Aboriginal health and how to plan projects.

AHCD 2017 **Counselling Theory and Methods A**

Old code 07264. 6 credit points
Mr Shane Merritt
Offered: February. Prerequisite: Introduction to Counselling Skills AHCD 1032 (07182). Classes: Block mode. Assessment: Assignments, examination, attendance, and participation.
The aim of this unit is to focus on the development of a variety of counselling techniques and methods. This unit will assist students to develop a clear understanding of the counselling component of role in the Aboriginal health and community development workers

AHCD 2020 **Professional Pratice II**

Old code 07267. 6 credit points
Offered: February.

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 2021 **Alcohol and Other Drugs II**

Old code 07268. 6 credit points
Mr Shane Merritt
Offered: February. **Prerequisite:** Alcohol and Other Drugs I AHCD 1036 (07126). **Classes:** Block mode. **Assessment:** Assignments, attendance and participation.

The unit further develops skills in assessing drug related social and psychological problems. Understanding of the factors which contribute to the development of alcohol and drug related problems is utilised as a basis for determining strategies for the prevention of these problems in the community. This unit also explores strategies for maintaining the health and well-being of the worker who is dealing with clients with drug related problems.

AHCD 3008 **Indigenous Community Health Project A**

Old code 07342. 6 credit points
Mr Shayne Williams
Offered: July. Classes: Block mode (3x5 days). Assessment: Essay, written proposal and plan, participation.
Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project), following a project plan developed in Indigenous Community.

AHCD 3009 **Professional Practice III**

Old code 07343. 6 credit points
Offered: July.

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 3010 **Counselling Theory and Methods B**

Old code 07344. 6 credit points
Offered: July.

This unit will teach students the practical skills needed for the development of effective counselling in the area of Aboriginal Health and Community development. During this part of the year most emphasis will be on assisting students to develop individual styles of counselling based on the theoretical framework that was established during the second year course.

AHCD 3011 **Honours Workshop A**

Old code 07345. 6 credit points
Dr Freidoon Khavarpour
Offered: Full year. **Prerequisite:** Admitted to Honour's program. **Classes:** Blcok mode (3x5 days). Assessment: Continuous assessment.

This unity of study is divided inot two semesters. In semester 1, students are assisted with the design and the development of their reaserch proposal. In semester 2, students will become familiar with various research methodologies and ethical issues concerning the conduct of research with Aboriginal communities. In the latter semester students also receive training in using the University's Ethics Committe application Form and other Ethics Committees requirements.
Textbooks
Individual based

AHCD 4001 **Indigenous Community Health Project B**

Old code 074B5. 6 credit points
Mr Shayne Williams
Offered: February. **Prerequisite:** Completion of Indigenous Community Health Project A AHCD 3008 (07342). **Assumed knowledge:** Knowledge of project planning. **Classes:** Block mode (3x5 days). **Assessment:** Written report.

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on aproject related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project B), following a project plan developed in Indigenous Community Health Project A.

AHCD 4002 **Professional Practice IV**

Old code 074B6.12 credit points
Offered: July.

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 4005 **Research Thesis A**

Old code 074B7.12 credit points
Dr Freiddon Khavapom
Offered: February. **Prerequisite:** Honours workshop A AHCD 3011 (07345). Classes: Block mode (3x5 days). Assessment: Continuous assessment.

This unit of study is designed to give the student in the honour's program an opportunity ti develop their personal and professional interests through the production of the honour's Thesis. The development of the Thesis is undertaken in collaboration with academic supervisors. Students will conduct an oral presentation of their Honour's Thesis to the School's Research Forum.
Textbooks
Individual based

AHCD 4006 **Research Thesis B**

Old code 074B8.18 credit points
Dr Freidoon Khavarpour
Offered: July. **Prerequisite:** Honours Workshop A AHCD 3011 (07345) & Honours Workshop B AHCD 4052 (07445). **Classes:** Block mode (3x5 days). **Assessment:** Continuous assessment.
This unity of study provides a continuous opportunity for the Honour's students to discuss with relevent staff their issues of concern regarding their Thesis. Students will conduct an oral presentation of their honour's Thesis to the School's Research Forum
Textbooks
Individual based

AHCD 4007 **Epidemiology**

Old code 07401. 6 credit points
Offered: February.
This unit introduces students to the basic principles of epidemiology: the study of the distribution of disease and the search for the determinants of that observed distribution. Measurement and validity issues involved in this search for cause-effect relationships are introduced. The integral role of biostatistics in the planning and data-analysis stages of epidemiological projects is reviewed. The general aim of this course is for the students to be familiar with terms used in epidemiology and to be able to critically evaluate selected epidemiological literature.

AHCD 4008 **Introduction to Health Research**

Old code 07402,6 credit points
Mr Shayne Williams
Offered: Full year. **Classes:** Blcok mode (3x5 days). **Assessment:** Essay, oral presentation and participation.
This unit of study provides an introduction to the principles and processes of health research. It is designed to give students a broad overview of research methods used in the health arena including history of scientific method, clinical and biological approaches, demography, Epidemiology, evaluation, social research methods (including qualitative and quantitative) and theories and philosophies of science.

AHCD 4010 **Perspectives in Indigenous Health IV**

Old code 07404. 6 credit points
Offered: Not offered in JulyOOFebruary.
Perspectives TV is structured around class discussions, readings, case studies and student presentations on selected topics in Indigenous health. These topics will be determined by current student interest and professional directions and may include: men's business; women's business; the role of the professional Aboriginal health worker; international indigenous societies and culture; health and community development.

AHCD 4011 **Family Therapy**

Old code 07405. 6 credit points
Offered: February. **Assumed knowledge:** Counselling I AHCD 1032 (07182) or equivalent.
The major theories and methods of family therapy will be examined and related to the Aboriginal culture and traditions.

AHCD 4012 **Communication in Indigenous Communities**

Old code 07406. 6 credit points
Offered: February.
How does the structure and the culture Of an organisation affect how people communicate? What effect do networks, gender and power have on the way people communicate in organisations and what models can we use to develop effective communication in both public and private sector organisations? This unit of study involves a practical look at communication in community based organisations such as Aboriginal Medical Services and government organisations such as ATSIC and the Health Department.

AHCD 4013 **Nutrition and Lifestyle**

Old code 07407. 6 credit points
Offered: July.
This unit examines various issues associated with health and nutrition in both urban and rural indigenous communities.

AHCD 4014 **Contemporary Issues in Health, Law and Medicine**

Old code 07408. 6 credit points
Mr Shayne Williams
Offered: July. **Classes:** Blcok mode (3x5 days). **Assessment:** Essay, worksheet, take home exam.
This unit will introduce students to an understanding of the Australian legal system and general principles and law governing human behaviour. This unit will also provide the student with an understanding of human rights and the international legal system. Students will be encouraged to explore the relationship between health, human rights and the law.

AHCD 4015 **Health Computing**

Old code 07409. 6 credit points
Offered: February.
NB: Not offered in 2001.

AHCD 4016 **Participant Observation and Ethnography**

Old code 07410. 6 credit points
Offered: February.
This unit of study introduces students to the theory and process of ethnographic research. It will provide students with an understanding of the diverse nature of fieldwork based research. The teaching of the unit willk revolve around class discussions of readings and case studies, and practical exercises in observation, note taking and interviewing. Students will critically evaluate the relevance and implications of these methods for research with Indigenous communities.

AHCD 4017 **Community Development III**

Old code 07411. 6 credit points
Offered: July.
This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4018 **Action Research**

Old code 07412. 6 credit points
Offered: July.
Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the internet.

AHCD 4019 **Community Development IV**

Old code 07413. 6 credit points
Offered: February.
This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4020 **Group Processes and Counselling**

Old code 07414. 6 credit points
Offered: February.
The theories of groups processes and counselling will be examined. Topics such as group formation, group roles, group communication and the role of the therapist, will be examined. Students will be encouraged to develop individual styles that reflect the needs of the indigenous communities they are familiar with.

AHCD 4021 **Art Therapy**

Old code 07415. 6 credit points

Offered: Not offered in JulyOOFebruary. **Assumed knowledge:** Counselling I AHCD 1032 (07182) and Counselling II AHCD 2005 (07252) or equivalent.

This unit of study will introduce the basic concepts and skills related the use of art in counselling. Students will be introduced to both the diagnostic and theraputic applications of this technique.

AHCD 4022 **Health Promotion for Indigenous Communities II**

Old code 07416. 6 credit points

Dr Feidoon Khavarpour

Offered: July. Prerequisite: Health Promotion I AHCD 3013 (07347). Corequisite: Could be taken with Health Promotion for Indigenous Communities III AHCD 4023 (07417). Classes: Blockmode (3x5 days). Assessment: Continuous assessment.

Utilising various approaches to the development of health promotion strategies in Health promotion for Indigenous Communities I, this unit of study will provide the students with mechanism, such as theories and models to develop their own Indigenous health Promotional programs, projects and services. It is a practical and hands-on unit of study.

Practical: 10-12 hours of field work.

Textbooks

Readings will be provided

AHCD 4023 **Health Promotion for Indigenous Communities III**

Old code 07417. 6 credit points

Dr Freidoon Khavarpour

Offered: July. Prerequisite: Health Promotion I AHCD 3013 (07347) and II AHCD 3014 (07348), **Corequisite:** Could be taken with Health Promotion for Indigenous Communities II AHCD 4022 (07416). **Classes:** Block mode (3x5 days). **Assessment:** Continuous assessement.

Implementation and evaluation of of the initiatives developed in the Health promotion for Indigenous Communities I and II is the aim of this unit of study. Reporting on the impact and the outcome of these health promotion initiatives will be the final assignment in this hands on and practical unit.

Practical: 18-24 hours of field work.

Textbooks

Preadings provided . , . . - .

AHCD 4024 **Housing and Environmental Health**

Old code 07418. 6 credit points

Offered: February.

This unit will focus on the relationship between physical environment and health. Students will learn how to work with town and community planners to explore ways of improving indigenous health.

AHCD 4025 **Multiculturalism and Indigenous Issues**

Old code 07419. 6 credit points

Offered: February.

The objectives of 'Issues in Indigenous Mental Health' are to consider the special historical, cultural, spiritual and social factors that impact on indigenous health, especially mental health. Special emphasis will be given to assisting students' understanding of the biopsychosocial aspects of indigenous mental health. Transgenerational issues (such as grief) in relation to indigenous mental health will be explored.

AHCD 4026 **Health Management Theory**

Old code 07420. 6 credit points

Offered: February.

This unit of study examines the current theories and methods of management and relates these models to the management of Indigenous health organisations.

AHCD 4027 **Ethics**

Old code 07421. 6 credit points

Offered: February.

This unit of study provides an introduction to the study of ethical rules governing decision making in health care practice. The ethical codes related to health care practice and research will be compared and contrasted.

AHCD 4028 **Alcohol and other Drugs Counselling**

Old code 07422. 6 credit points

Mr Shane Merritt

Offered: February (not in 2001). Classes: Block mode.

Assessment: Assignments, attendence, and participation.

This unit of study is focused on the essential skills needed for the development of effective counselling in the area of drug and alcohol addiction. Students will draw from their studies in Counselling I & Counselling II, and Drugs and Alcohol I &XI to develop counselling strategies that are culturally effective.

AHCD 4030 **Issues in Indigenous Mental Health**

Old code 07423. 6 credit points

Mr Shane Merrit

Offered: February. Classes: Block mode. Assessment: Assignments, attendance, and participation.

The objectives of 'Issues in Indigenous Mental Health' are to consider the special historical, cultural, spiritual and social factors that impact on indigenous health, especially mental health. Special emphasis will be given to assisting students' understanding of the biopsychosocial aspects of indigenous mental health. Transgenerational issues (such as grief) in relation to indigenous mental health will be explored.

AHCD 4031 **Health Management Practice**

Old code 07424. 6 credit points

Offered: July.

This unit of study examines the practical issues of managing indigenous health organisations. Topics will include, accounting methods, office practice, legal issues, personnel as well as other topics that are relevant at the time.

AHCD 4032 **Health Planning, Policy and Evaluation 1**

Old code 07425,6 credit points

Dr Freidoon Khavarpour

Offered: February. **Classes:** Block mode (3 x 5 days). Assessment: Continuous assessment.

This unit of study will provide students with an understanding of the basic structure in the development, implementation and the evaluation of policies, health in particular. The ideological framework, socio-cultural, economic and political assumptions implicit in policy development will be discussed.

Textbooks

Readings provided

AHCD 4033 **Perspectives in Indigenous Health III**

Old code 07426. 6 credit points

Dr Freidoon Khavarpour

Offered: Full year. Assessment: Continuous assessment.

This unit builds on Perspectives in Indigenous Health I and II by further exploring Indigenous, sociological, historical and anthropological on Indigenous health. Students will examine a range of materials related to the themes of race and racism. The major theories underlying the notion of race and racial relations in the nineteenth and twentieth centuries will be introduced and the impact of these on the health of Indigenous people in Australia critically analysed.

Practical: 6 hours of fieldwork.

Textbooks

Readings provided

AHCD 4034 **Health Promotion for Indigenous Communities I**

Old code 07427. 6 credit points

Dr Freidoon Khavarpour

Offered: February. Prerequisite: N/A. Corequisite: N/A. Assumed knowledge: N/A. Prohibition: N/A. Classes: Block mode (3x5 days). Assessment: Continuous assessment.

This unit provides students with an overview of the principles and practice of health promotion. It is designed to give students a theoretical perspective of health promotion within the public health and community based framework. Range of approaches to the development of health promotion initiatives will be discussed.

Practical: 6 hours of fieldwork.
Textbooks
Readings will be provided

AHCD4035 **Primary Health Care III**

Old code 07428. 6 credit points
Offered: February.

This unit provides students with the opportunity to develop special skills and knowledge in selected areas of Aboriginal health. Specific content may vary from year to year in response to contemporary needs and trends.

AHCD4036 **Art and Media in Indigenous Health Promotion**

Old code 07429. 6 credit points
Offered: February.

How can art and media be used to promote health? How can this empower communities to achieve their own health? This unit of study focuses on the design, production and delivery of health promotion messages in art through painting, theatre, dance and song and in film, television, radio and the print media. The communication of indigenous concepts of health in images and stories is explored with reference to selected indigenous health promotion projects.

AHCD 4037 **Research Seminar**

Old code 07430. 6 credit points
Dr Freidoon Khavarpour
Offered: Full year.

This unit is only available to students who have been enrolled in the Honours program. Students will be required to participate in seminar discussions related to their individual research plans.

AHCD 4038 **Quantitative Research Methods**

Old code 07431. 6 credit points
Offered: Not offered in JulyOOFebruary.

This unit introduces students to the application of statistical concepts to research in selected topics in Aboriginal Health. To pass this unit students will study two modules. One module on inferential statistical techniques will be compulsory. The second module is designed to allow students to develop an in depth understanding of specific methodologies such as; descriptive, correlational, ex-post-facto and experimental.

AHCD 4039 **Historical Research**

Old code 07432. 6 credit points
Offered: Not offered in JulyOOFebruary.

This unit introduces students to written and oral history. It explores the appropriate methods and systematic techniques for the collection and evaluation of data from past events in order allow for a better understanding of current events and facilitate the anticipation of future events.

AHCD 4040 **Addictions Counselling**

Old code 07433. 6 credit points
Offered: July. **Assumed knowledge:** Counselling I AHCD 1032 (07182) or equivalent.

The relationship to addition and personality will be explored in depth. Specific additions such as addition to gambling will be discussed. Part of the assessment for this unit will require students to present a relevant case study for discussion.

AHCD 4041 **Counselling with Art Therapy**

Old code 07434. 6 credit points
Offered: July.

This unit will be taught in conjunction with Perspectives in Indigenous Health IV. It will compare and contrast the modern concepts in Art Therapy with the use of traditional methods in spiritual healing.

AHCD 4042 **Wellness**

Old code 07435. 6 credit points
Offered: February.

This unit will encourage students to focus their attention on the conditions required for healthy living from a holistic perspective of indigenous health. Students will be asked to consider the positive environmental influences required for individuals and communities to achieve and maintain a state of healthy well being. Contributions to an understanding of wellness will be sought from traditional Aboriginal culture and custom, anthropology, sociology and psychology. Content for this unit will be thematic and be determined by current student interest.

AHCD 4043 **Computer Skills in the Media**

Old code 07436. 6 credit points
Offered: July.

In this unit you will develop practical skills in desktop publishing and produce a professional newspaper. Topics covered include putting together a copy, the role of editorial targeting and contents planning, creative use of typography, layout and design, graphics and artwork, advertisements, distribution and legal issues such as copyright.

AHCD 4044 **The Health Worker and the Law**

Old code 07437. 6 credit points
Offered: July.

The unit introduces students to the basic principles of the application of the law in Australia. Particular reference is made to those aspects of the law that relate specifically to the role of the practice of the Aboriginal Health Worker. This unit also provides students an opportunity to familiarise themselves with their legal rights and responsibilities in contemporary society as both citizens and professional health workers.

AHCD 4045 **Indigenous Health Information Management**

Old code 07438. 6 credit points
Offered: February.

Students will develop the ability to apply specialist computing software in the management of indigenous health organisations. For example, client registratin systems, community needs data systems and centre-management and accounting software.

AHCD 4046 **Early Disease Intervention for Aboriginal Health Workers in Remote Areas A**

Old code 07439. 6 credit points
Offered: July.

This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and referal, making a diagnosis, planning management for short and long term and finally evaluation. Fifteen diseases will be covered in detail during the two units, with an emphasis on teaching a process which can be used in a variety of situations. A further eight diseases will be covered in case study assignments. Common illnesses from all age ranges and body systems will be covered. The student will be taught the importance of referal of all unusual or serious illnesses.

AHCD 4047 **Early Disease Intervention for Aboriginal Health Workers in Remote Areas B**

Old code 07440. 6 credit points
Offered: February.

This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and referal, making a diagnosis, planning management for short and long term and finally evaluation. Fifteen diseases will be covered in detail during the two units, with an emphasis on teaching a process which can be used in a variety of situations. A further eight diseases will be covered in case study assignments. Common illnesses from all age ranges and body systems will be covered. The student will be taught the importance of referal of all unusual or serious illnesses.

AHCD 4048 **Issues in Housing and Environmental Health**

Old code 07441. 6 credit points
Offered: July.

Issues such as government policy, specific cultural needs, differing needs between remote, rural and urban families will be explored.

AHCD 4049 **Skills for Teaching Health**

Old code 07442. 6 credit points
Offered: July.

This unit provides an opportunity for students to identify and develop teaching skills for use in their professional roles as health workers. The content for this unit will include: principles of adult learning; the teaching process; instructional design; the skills of questioning, explaining and facilitating small group discussions; and the preparation and use of audiovisual teaching materials.

AHCD 4050 **Health Planning, Policy and Evaluation II**

Old code 07443. 6 credit points
Dr Freidoon Khavarpour
Offered: July. **Prerequisite:** Health Planning, Policy and Evaluation I AHCD 4032 (07425). **Classes:** Block mode (3x5 days).
Assessment: Continuous assessment.

This unit of study, a continuation of Health Planninhg, Policy and Evaluation 1, critically analyses various specific governement polices from Australia and overseas, in particular Canada, New Zealand and United States which deal with the Indigenous people in these countries.
Textbooks
Readings provided

AHCD 4051 **Indigenous Health and Housing**

Old code 07444. 6 credit points
Offered: February.

This unit encourages students to explore the relationship between the links between housing style and quality and the health of its inhabitants. Students will be able to develop practical skills required to assess housing suitability.

AHCD 4052 **Honours Workshop B**

Old code 07445. 6 credit points
Dr Freidoon Khavarpour
Offered: Full year. **Prerequisite:** Admitted to honour's program. **Classes:** Block mode (3 x 5 days). **Assessment:** Continuous assessment.

This unit of study is divided into two semesters. In semester 1 students will concentrate on the further development of their literature review and collection of the date. Analysis and interpretation of the data towards the first draft of the Honour's thesis will be covered in this semester. In semester 2, redrafting and rewriting of the thesis will be maintained and continued.
Textbooks
Individual based

AHCD 4053 **Human Rights and Social Justice**

Old code 07446. 6 credit points
Ms Wendy Jopson
Offered: July.

This unit of study will examine human rights and social justice issues from an Australian Indigenous perspective at International, National and local levels. It discusses the effect of these issues on the health and welfare of Indigenous peoples lives.

The unit of study will detail the optimum standard for health and justice advocated by the international human rights treaty system, and discusses the Australian government's responsibility, accountability and the success and failures towards these benchmarks.

Ths unit is participatory based and includes literature review and group discussions.

BACH 2033 **Health and Human Behaviour I**

Old code 2521M. 6 credit points
Dr Ian Hughes
Offered: February, July. **Classes:** Block mode. **Assessment:** Continuous.

This unit introduces the student to sociological theories and concepts with particular reference to health and human behaviour. The unit also provides a cross-cultural and comparative analysis of health and human behaviour. It focuses on the inter-relationship between culture, medical systems, and social organisation in non-Western and Western societies with an emphasis on the health needs of Aboriginal and migrant peoples.
Textbooks
www.cchs.usyd.edu.au/bach/2033

BACH 4052 **Social Research**

Old code 25451. 6 credit points
Offered: July.

This unit introduces students to the range of qualitative and Multivariate Statistics used in the examination of the social aspects of the health care system. Data collection and analysis, techniques associated with interviewing and observation, Content analysis, survey and experimental research and secondary data analysis will be covered.

BACH 4053 **Health and Human Behaviour II**

Old code 25452. 6 credit points
Ms Karen Pepper
Offered: July. **Classes:** On Campus 21 hours in block mode.
Assessment: Assignments.

This unit introduces students to topics in psychology, including perception, intelligence, personality and learning. One area of focus will be social psychology, which deals with aspects of the behaviour of people in groups, with applications to people with disabilities. Psychological issues to do with counselling will also be addressed.

BIOS 1076 **Biological Sciences I**

Old code 11184. 6 credit points
DrPatWeerakoon
Offered: July.

This unit is an introduction to the systems of the body using the theme of homeostasis and will provide the basis for further study of health and illness.

BIOS 2090 **Biological Sciences II**

Old code 112E5. 6 credit points
DrPatWeerakoon
Offered: July.

This unit introduces students to the biological basis of health and ilness. It includes the study of the pathophysiology of disease and basic management principles.

BIOS 3046 **Biological Sciences III**

Old code 113A1. 6 credit points
DrPatWeerakoon
Offered: July.

This unit will allow students to explore specific areas of health and disease in depth, as relevant to their specific professional role. Specific areas explored in this course include the pathophysiology and management of disease, nutritional aspects, sexual and reproductive consequences and alternate health care.

BIOS 3051 **Biological Sciences IIIA**

Old code 113A4. 6 credit points
DrPatWeerakoon
Offered: July.

Medical Sciences and Disorders of Body Systems. To introduce the student to pharmacology, pathophysiology and aspects of cross-infection and immunology through the life stages from foetus to old age. This will be presented in a problem based manner.

CHAPTER 15

Singapore conversion courses

This chapter provides detailed course information about off-shore (Singapore-based) conversion courses to bachelor degrees in nursing, occupational therapy, physiotherapy and medical radiation sciences.

The off-shore programs are conducted in Singapore by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. They arose from a successful tender by the Faculty to conduct conversion courses for health professionals, namely, nurses, occupational therapists, physiotherapists, and medical radiation technologists, who are local residents of Singapore. Graduates from these programs will receive an award from the University of Sydney. The courses are conducted in a part-time modular mode, the duration being twelve months to two years (see individual program entries). Several modules described in the Nursing program are common to the Occupational Therapy, Physiotherapy and Medical Radiation Technology programs (see individual program entries).

Each module is conducted over a two or three week period and comprises of twenty to thirty hours of student contact. Modules are programmed to allow time between each module for completion of assessment tasks.

The ongoing responsibility for the management of the programs lies with the Faculty of Health Sciences. Staff in the Faculty Office coordinate interactions with the Singapore Institute of Management, the Singapore Ministry of Health and the Faculty of Nursing, the University of Sydney. The role of the Singapore Institute of Management is to provide a vehicle for implementing the courses.

The Faculty of Health Sciences also offers full-time on-shore (Sydney-based) Singapore Conversion programs in occupational therapy, physiotherapy and radiography. These courses are specifically designed for 'A level entry' diplomates who have graduated from Nanyang Polytechnic to convert their diploma qualifications to a bachelor degree.

Bachelor of Health Science (Nursing)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) a Diploma in Nursing from Nanyang Polytechnic, Singapore;

OR

ii) a Diploma in Nursing from an approved institution;

OR

iii) a Certificate in Nursing from the Singapore School of Nursing, or its equivalent;

AND

iv) a minimum of twelve months nursing clinical practice;

AND

v) employment as a registered nurse in a working environment appropriate to their profession and acceptable to the University.

Course outline

The course outline for the Bachelor of Health Science (Nursing) course is presented in Tables 15.1 and 15.2.

Table 15.1: Bachelor of Health Science (Nursing)

Course code **2001** — Mode of offer: Modular; Part-time, 2 years (September start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1 (no commencing students in September 2001)				
Year 2 (last offered in 2001)				
SING 4008	(20408)	Pathophysiology	**3**	**'-**
SING 4009	(20409)	Sociology of Work and Organisations	**3**	**-**
SING 4010	(20410)	Financial Management in the Health Services	**3**	**-**
SING 4011	(20411)	Sociology of Client/Practitioner Relationships	**-**	**4**
SING 4012	(20412)	Health Assessment	**3**	**-**
SING 4013	(20413)	Management in Nursing	**-**	**4**
SING 4014	(20414)	Advanced Clinical Studies	**-**	**4**
		Stage total (24 credit points for Year 2)	**12**	**12**

Note: Credit may be given for previous learning.

Table 15.2: Bachelor of Health Science (Nursing)

Course code **2011** — Mode of offer: Part-time, 2 years (April start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1 (no commencing students in April 2001)				
Year 2 (last offered in 2001)				
SING 4034	(20434)	Management in Nursing	**4**	**-**
SING 4035	(20435)	Sociology of Client/Practitioner Relationships	**4**	**-**
SING 4037	(20437)	Advanced Clinical Studies	**4**	**-**
		Stage total (12 credit points for Year 2)	**12**	**-**

Note: Credit may be given for previous learning.

Bachelor of Health Science (Nursing)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) a Diploma in Nursing from Nanyang Polytechnic, Singapore;

OR

ii) an approved Diploma in Nursing from an approved institution;

OR

iii) a Certificate in Nursing from the Singapore School of Nursing, or its equivalent;

AND

iv) a minimum of twelve months nursing clinical practice;

AND

v) employment as a registered nurse in a working environment appropriate to their profession and acceptable to the University.

Course outline

The course outline for the Bachelor of Health Science (Nursing) course is presented in Tables 15.3 and 15.4.

Each unit of study is conducted over a two week period and comprises of twenty hours of student contact.

Table 15.3: Bachelor of Health Science (Nursing)

Code 2005 — Mode of offer: Part-time, 4 semesters (January start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING 4038	(20438)	Health Care Ethics	3	-
SING 4039	(20439)	Legal Perspectives and Health Care	3	-
SING 4040	(20440)	Patient/Client Education	-	3
SING 4041	(20441)	Managing Resource Demands in Health Services	-	3
SING 4042	(20442)	Pathophysiology A	-	3
SING 4043	(20443)	Pathophysiology B	-	3
SING 4048	(20448)	Nursing Knowledge and Health Care in Singapore	6	-
		Stage total (24 credit points for Year 1)	12	12
Year 2				
SING 4044	(20444)	Research Methods I	3	-
SING 4045	(20445)	Research Methods *II*	3	-
SING 4046	(20446)	Sociology of Work and Organisations	-	3
SING 4047	(20447)	Sociology of Patient/Practitioner Relations	-	3
SING 4049	(20449)	Advanced Clinical Studies I	6	-
SING 4050	(20450)	Advanced Clinical Studies II	-	6
		Stage total (24 credit points for Year 2)	12	12

Table 15.4: Bachelor of Health Science (Nursing)

Code 2015 — Mode of offer: Part-time, 4 semesters (July start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING 4062	(20462)	Health Care Ethics	3	-
SING 4063	(20463)	Legal Perspectives and Health Care	3	-
SING 4064	(20464)	Patient/Client Education	-	3
SING 4065	(20465)	Managing Resource Demands in Health Services	-	3
SING 4066	(20466)	Pathophysiology A	-	3
SING 4067	(20467)	Pathophysiology B	-	3
SING 4072	(20472)	Nursing Knowledge and Health Care in Singapore	6	-
		Stage total (24 credit points for Year 1)	12	12
Year 1				
SING 4068	(20468)	Research Methods I	3	-
SENG 4069	(20469)	Research Methods II	3	-
SENG 4070	(20470)	Sociology of Work and Organisations		3
SENG 4071	(20471)	Sociology of Patient/Practitioner Relations		3
SENG 4073	(20473)	Advanced Clinical Studies I	6	-
SENG 4074	(20474)	Advanced Clinical Studies II	-	6
		Stage total (24 credit points for Year 2)	12	12

Bachelor of Health Science (Physiotherapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) a Diploma in Physiotherapy from Nanyang Polytechnic, Singapore; with 'A level' entry;

OR

ii) an approved Diploma in Physiotherapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or their equivalent.

Course outline

The course outline for the Bachelor of Health Science (Physiotherapy) course is presented in Table 15.5.

Table 15.5: Bachelor of Health Science (Physiotherapy)

Code	Mode of offer
2006	Part-time, 2 semesters (July start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING 4051	(20451)	Evaluation in Physiotherapy		
SING 4052	(20452)	Topics in Physiotherapy Management		
SING 4053	(20453)	Advanced Physiotherapy Studies		
		Electives*	12	
		Stage total (24 credit points for Year 1)	12	12
*Elective units of study**				
SING 4038	(20438)	Health Care Ethics		
SING 4039	(20439)	Legal Perspectives and Health Care		
SING 4040	(20440)	Patient/Client Education		
SING 4041	(20441)	Managing Resource Demands in Health Services		
SING 4042	(20442)	Pathophysiology A		
SING 4043	(20443)	Pathophysiology B		

*Students must select four of the above elective units of study. Availability is subject to enrolment and timetabling constraints.

Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with 'A level' entry;

OR

ii) An approved Diploma in Occupational Therapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or the equivalent;

PLUS

Currently working as an occupational therapist

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) course is presented in Table 15.6.

Table 15.6: Bachelor of Health Science (Occupational Therapy)

Code	Mode of offer
2007	Part-time, 2 semesters (July start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING 4054	(20454)	Community Based Programs Development	3	-
SING 4055	(20455)	Managing Occupational Therapy Services	3	-
SING 4056	(20456)	Cognitive and Perceptual Components	-	3
SING 4057	(20457)	Advanced Communication Techniques	-	3
		Electives*	6	6
		Stage total (24 credit points for Year 1)	12	12
*Elective units of study**				
SING 4038	(20438)	Health Care Ethics	3	
SING 4039	(20439)	Legal Perspectives and Health Care	3	
SING 4041	(20441)	Managing Resource Demands in Health Services	3	
SING 4042	(20442)	Pathophysiology A	3	
SING 4043	(20443)	Pathophysiology B	3	
SING 4046	(20446)	The Sociology of Work and Organizations	3	

*Students must select four of the above units of study. Availability is subject to enrolments and timetabling constraints.

Bachelor of Health Science (Medical Radiation Technology)

Off-shore (Singapore based)

Admission requirements

EITHER

i) a Diploma in Radiography from Nanyang Polytechnic, Singapore, with 'A level' entry;

OR

ii) a Diploma of the College of Radiographers (Singapore) or equivalent, with entry level at the minimum eligibility requirements in the GCE A level examinations or their equivalent.

Students admitted through option (ii) will be required to undertake Research Methods 1 & 2 in addition to the four electives.

Course outline

The course outline for the Bachelor of Health Science (Medical Radiation Technology) course is presented in Table 15.7.

Table 15.7 Bachelor of Health Science (Medical Radiation Technology)

Code 2008 — Mode of offer: Part-time, 2 semesters (July start)

Unit code	(old code)	Unit name	Sem 1	Sem 2
Year 1				
SING 4058	(20458)	Department Design and Safety Issues	3	-
SING 4059	(20459)	Computer Communication in Medical Radiation Technology	3	-
SING 4060	(20460)	Management of Equipment Selection	-	3
SING 4061	(20461)	The Quality Perspective applied to Medical Radiation Technology	-	3
		Electives*	6	6
		Stage total (24 credit points for Year 1)	12	12
*Elective units of study**				
SING 4038	(20438)	Health Care Ethics	3	
SING 4039	(20439)	Legal Perspectives and Health Care	3	
SING 4040	(20440)	Patient/Client Education	3	
SING 4041	(20441)	Managing Resource Demands in Health Services	3	
SING 4042	(20442)	Pathophysiology A	3	
SING 4043	(20443)	Pathophysiology B	3	
SING 4044	(20444)	Research Methods I	3	
SING 4045	(20445)	Research Methods II	3	
SING 4046	(20446)	Sociology of Work and Organisations	3	
SING 4047	(20447)	Sociology of Patient/Practitioner Relations	3	

*Students must select four of the above units of study. Availability is subject to enrolments and timetabling constraints.

Bachelor of Health Science (Medical Radiation Technology)

On-shore (Sydney based)

This program is a one year conversion course that leads to a Bachelor of Health Science (Medical Radiation Technology) degree. This course has been designed to complement the three year full-time Diploma in Medical Radiation Technology of the Nanyang Polytechnic by extending the latter's content with emphasis on critical and intellectual inquiry into the fields of Diagnostic Radiography or Radiation Therapy. Graduates of this program would not automatically be accredited by the Australian Institute of Radiography. Enquiries with regard to professional accreditation should be directed to that institute.

Admission requirements

Applicants should possess:

i) an 'A level' entry Diploma in Medical Radiation Technology program from Nanyang Polytechnic, Singapore; OR

ii) an equivalent award unit as approved by the Head of School, such approval may require additional areas of study.

Course outline

The course outline for the one year Bachelor of Health Science (Medical Radiation Technology) conversion course is presented in Table 15.8.

Table 15.8: Bachelor of Health Science (Medical Radiation Technology)

Course code	Mode of offer
1830 [D]	Pass Degree; Full-time, 1 year
1831 [R]	Pass Degree; Full-time, 1 year

Unit code	(old code)	Unit name	Sem 1	Sem 2
Common units				
BACH 3068	(25366)	Behavioural Science IIIA	5	-
BACH 3069	(25367)	Behavioural Science IIIB	-	3
MRTY 2037	(18237)	Radiation Protection	1	-
MRTY 2038	(18238)	Radiation Biology	-	1
MRTY 3037	(18337)	Image Processing A	2	-
MRTY 3038	(18338)	Image Processing B	-	1
MRTY 3057	(18357)	Field Project A	4	-
MRTY 3058	(18358)	Field Project B	-	11
		Subtotal (28 credit points for Common units)	12	16
Diagnostic Radiography				
MRTY 3032	(18332)	Radiographic Pathology II	-	2
MRTY 3033	(18333)	Contrast Media	2	-
MRTY 3039	(18339)	Sonography A	2	-
MRTY 3040	(18340)	Sonography B	-	2
MRTY 3041	(18341)	Imaging IIA	4	-
MRTY 3042	(18342)	Imaging IIB	-	2
MRTY 3043	(18343)	Radiography IIA	4	-
MRTY 3044	(18344)	Radiography IIB	-	2
		Subtotal (20 credit points for Diagnostic Radiography)	12	8
		Total (48 credit points for Common units - Diagnostic Radiography)	24	24
Radiation Therapy				
MRTY 3034	(18334)	Radiation Therapy Project	2	2
MRTY 3049	(18349)	Radiation Therapy IIA	5	
MRTY 3050	(18350)	Radiation Therapy IIB	-	3
MRTY 3051	(18351)	Radiotherapy Physics IIA	2	-
MRTY 3052	(18352)	Radiotherapy Physics IIB	-	2
MRTY 3053	(18353)	Principles of Oncology A	2	-
MRTY 3054	(18354)	Principles of Oncology B	-	2
		Subtotal (20 credit points for Radiation Therapy)	11	9
		Total (48 credit points for Common units - Radiation Therapy)	23	25

Bachelor of Health Science (Occupational Therapy)

On-shore (Sydney based)

This is a six month full-time degree conversion course to be held in Semester 1 and inter-semester break of the academic year in the University of Sydney leading to the award of a Bachelor of Health Science (Occupational Therapy) degree. This course has been designed to complement the 3-year full-time Diploma in Occupational Therapy Course of the Nanyang Polytechnic by extending the latter's content and level to that equivalent to a 4-year full-time Bachelor degree. This course places emphasis on critical and intellectual inquiry with options for elective study.

Diplomates enrolling in this course will gain added value in further academic development and future professional autonomy. They would be able to choose some topics of their liking for more indepth study. Furthermore, they will be eligible to enrol, after graduation, into relevant graduate courses at a later date if so desired.

Admission requirements

Holders of an 'A level' entry Diploma in Occupational Therapy awarded by the Nanyang Polytechnic in Singapore, PLUS six months full-time fieldwork experience working as an occupational therapist.

Course outline

The course outlines for the Bachelor of Health Science (Occupational Therapy) course are presented in Table 15.9.

Table 15.9: Bachelor of Health Science (Occupational Therapy)

Course code 1535 — Mode of offer: Pass Course, Full-time; Semester 1 + Inter-semester break

Unit code	(old code)	Unit name	Sem 1		Sem 2
BACH 4035	(25434)	Sociology Elective	2		-
OCCP 4037	(154A2)	Fieldwork Education	-	6	-
OCCP 4038	(154A3)	Evaluation of Occupational Therapy Programs	1	2	-
OCCP 4039	(154A4)	Elective Study	3		-
OCCP 4042	(154A7)	Occupational Therapy Theory & Process IVB	2		-
OCCP 4045	(154B0)	Occupational Therapy Theory & Process IVA	2		-
OCCP 4046	(154B1)	Components of Occupational Performance	4		-
OCCP 4047	(154B2)	Human Occupations	2		-
		Stage total (24 credit points)	16	8	

Bachelor of Health Science (Occupational Therapy) Honours

On-shore (Sydney based)

This is a one-year full-time degree conversion course leading to the award of a Bachelor of Health Science (Occupational Therapy) Honours degree. This course has been designed to complement the 3-year full-time Diploma in Occupational Therapy Course of the Nanyang Polytechnic by extending the latter's content and level to that equivalent to a 4-year full-time Bachelor Honours degree.

Diplomats enrolling into this proposed course will gain added value in further academic development and future professional autonomy. They would be able to choose relevant research electives for in-depth study. Furthermore, they will be eligible to enroll, after graduation, into relevant graduate courses at a later date if so desired. Students who choose to withdraw, after enrolment, from the Honours course will be eligible to exit with a pass degree after successfully completing all necessary requirements.

Admission requirements

i) Credit Grade Average attained in the three years full-time Diploma in Occupational Therapy Course of GCE 'A level' entry at the Nanyang Polytechnic;
ii) Six months full-time fieldwork experience as an occupational therapist prior to commencing the honours degree conversion course;
iii) Credit Grade Average to be attained in the first semester (the pass component) before proceeding to second semester of the honours course; and
iv) Admission to the honours course will be subject to the availability of appropriate supervision.

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) Honours course is presented in Table 15.9.1.

Table 15.9.1: Bachelor of Health Science (Occupational Therapy) Honours

Course code 1538 — Mode of offer: Honours Course, Full-time; 2 Semesters + Inter-semester break

Unit code	(old code)	Unit name	Sem 1		Sem 2
BACH 4035	(25434)	Sociology Elective	2		-
OCCP 3029	(15378)	Honours Research Seminar I	-		3
OCCP 4019	(15442)	Honours Research Seminar II	2		2
OCCP 4037	(154A2)	Fieldwork Education	-	6	-
OCCP 4042	(154A7)	Occupational Therapy Theory & Process IVB	2		-
OCCP 4046	(154B1)	Components of Occupational Performance	4		-
OCCP 4047	(154B2)	Human Occupations	2		-
OCCP 4049	(154B3A)	Honours Dissertation A	6		-
OCCP 4050	(154B3B)	Honours Dissertation B	-		16
		Research Elective	-		3
		Stage total (48 credit points)	18	6	24

Bachelor of Health Science (Physiotherapy)

On-shore (Sydney based)

The conversion program is one year full-time. This program leads to a Bachelor of Health Science (Physiotherapy) degree and aims to equip students with the appropriate knowledge, skills and attitudes to work effectively as members of the physiotherapy profession. Graduates of this program may apply individually for registration as physiotherapists with the Physiotherapists' Registration Board of New South Wales.

Admission requirements

Entry will be restricted to diplomates who have completed the 'A level' entry Diploma in Physiotherapy from Nanyang Polytechnic in Singapore. This pass level conversion course is designed to complement the content of the current Diploma in Physiotherapy offered by the School of Health Sciences, Nanyang Polytechnic, Singapore.

Course outline

The course outline for the one year Bachelor of Health Science (Physiotherapy) conversion course is presented in Table 15.10.

Note: Students will normally complete all units listed in the sequence in which they appear in the handbook. Permission to alter this sequence must be obtained from the Head of School.

Table 15.10: Bachelor of Health Science (Physiotherapy)

Course code Mode of offer
1681 Full-time; 1 year
Study Preparation Program - 5 weeks pre-semester

Unit code	(old code)	Unit name	Sem 1	Sem 2
BACH 4049	(25448)	Policy and Service Delivery	1	-
BACH 4051	(25450)	Psychopathology and Behaviour Change	2	-
PHTY 4066	(164G7)	Clinical Education IVA	9	-
PHTY 4067	(164G8)	Clinical Education IVB	9	-
PHTY 4068	(164G9)	Evidence-Based Practice	1	2
PHTY 4069	(164H0)	Complex Cases	1	1
PHTY 4070	(164H1)	Elective	1	1
PHTY 4071	(164H2)	Advanced Manipulation Skills	-	1
PHTY 4072	(164H3)	Neurological Physiotherapy II	-	1
PHTY 4073	(164H4)	Clinical Education IVC	-	9
PHTY 4074	(164H5)	Clinical Education IVD	-	9
		Stage total (48 credit points for Year 4)	24	24

Units of study

BACH 3068 Behavioural Science IIIA

Old code 25366. 5 credit points
Offered: February. Prerequisite: Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).
There are two units in this unit. The first unit on Life Stress provides students with an understanding of reactions to stress particularly in health care settings. The second unit, Introduction to Research Methods examines the research process, design and statistics applied mainly to the critical evaluation of research literature.

BACH 3069 Behavioural Science 1MB

Old code 25367. 5 credit points
Offered: July. Prerequisite: Behavioural Science IIA BEHS 2103 (102B5), Behavioural Science IIB BEHS 2104 (102B6).
There are two units in this unit. The unit Health, Medicine and Society provides an analysis of the institutional aspects of medical and health care while the second unit provides an introduction to Social Psychology.

BACH 4035 Sociology Elective

Old code 25434. 2 credit points
Dr Zakia Hossain
Offered: February. **Classes: 1**3 lectures and seminars.
Assessment: Assignment.
Students will be required to choose one sociology elective. Electives may include: Sociology of Ageing; Australia's Immigrant Community; Occupational Health and Rehabilitation; Media and Health; Alternative Medicine; Computer-based Resources; Community and Health Information; International Health.
Textbooks
Materials from various sources

BACH 4049 Health Policy and Service Delivery

Old code 25391. 1 credit point
Dr Carol O'Donnell
Offered: February. Prerequisite: Introduction to Health Sociology BEHS 1105 (101C2). Assessment: Project (1000 words).
This unit provides an understanding of key aspects of the relationship between society, health and health service provision. It discusses Australian health policy and services and the importance of a holistic and preventative health care focus in Australian and international contexts.
Practical: Project.

BACH 4051 Psychopathology and Behaviour Change Techniques

Old code 25450. 2 credit points
Dr Liselotte Muhlen-Schulte
Offered: February. **Prerequisite:** Introduction to Health Sociology BEHS 1105(101C2).
This unit of study has three modules. The first provides students with a general theoretical framework within which abnormal behaviour has been discussed in Western societies. It aims also to give students a broad introduction to adult and child symptoms and syndromes and a brief overview of a range of treatment approaches which are currently in use. The second module introduces students to a range of behaviour therapy techniques.

MRTY2037 Radiation Protection

Old code 18237.1 credit point
Ms Natalka Suchowerska
Offered: February. **Classes:** 2 hrs/week. **Assessment:** Assignment/ examination.
This unit provides a study of the safe uses of ionising radiation in medicine. Issues of monitoring, shielding and Australian radiation legislation are addressed.
Textbooks
Web based material

MRTY 2038 Radiation Biology

Old code 18238.1 credit point
Ms Natalka Suchowerska
Offered: July. **Classes:** 2hrs/week. **Assessment:** Assignment/ examinations.
This unit provides a study of the radiobiological effects of ionising radiation. Dose response, damage and repair, sensitisation and protection as well as time, dose and fractionation are all addressed.
Textbooks
Web based material

MRTY 3032 Radiographic Pathology II

Old code 18332. 2 credit points
Offered: July. Prerequisite: (except Singapore courses) Radiographic Pathology IB MRTY 2046 (18246).
This unit introduces the student to the radiographic manifestations of selected disease processes, congenital disorders and malformations in the alimentary tract, hepatobiliary, genitourinary and central nervous systems.

MRTY 3033 Contrast Media

Old code 18333. 2 credit points
Offered: February. **Prerequisite:** (except Singapore courses) Introductory Human Biology BIOS 1084 (11193). **Corequisite:** Radiography IIA MRTY 3043 (18343), Clinical Education IIIA MRTY 3035(18335).
This unit provides the student with fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis on intravascular contrast media. The mechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY 3034 Radiation Therapy Project

Old code 18334. 2 credit points
Offered: Full Year. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education IIC MRTY 2034 (18234). **Corequisite:** Behavioural Science IIIA BEHS 3073 (103C6).
NB: This unit is offered in Semester 1 and 2 and has a value of 4 credit points for Singapore conversion courses.
This unit provides the student with the opportunity to undertake an investigative project in a specific area of applied radiation therapy. This project will develop the student's ability to work independently, with minimum supervision and introduces the student to the place of research in radiation therapy.

MRTY 3037 Image Processing A

Old code 18337. 2 credit points
Offered: February. **Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).
This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY 3038 Image Processing B

Old code 18338.1 credit point
Offered: July. **Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).
This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY 3039 Sonography A

Old code 18339.2 credit points
This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY 3040 Sonography B

Old code 18340. 2 credit points
Offered: July.
This unit extends the areas of clinical applications and practice of diagnostic ultrasound.

MRTY 3041 Imaging IIA

Old code 18341.4 credit points
Offered: February. **Prerequisite:** (except Singapore courses) Radiation Biology MRTY2038 (18238), Radiation Protection MRTY 2037 (18237), Imaging 1AMRTY2041 (18241), Imaging 1B MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing A MRTY 3037 (18337).

This unit complements Imaging I and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY 3042 Imaging IIB

Old code 18342.2 credit points
Prerequisite: (except Singapore courses) Radiation Biology MRTY 2038 (18238) Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing B MRTY 3038 (18338).

This unit concentrates upon ensuring a study of the range of digital radiographic equipment. Quality assurance and radiation protection principles and practice are expanded further.

MRTY 3043 **Radiography IIA**

Old code 18343.4 credit points
Offered: February. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education HIA MRTY 3035 (18335).

This unit builds upon the unit Radiographyaphy which has discussed the radiographic techniques for general skeletal radiography. This unit develops higher order critical thinking and radiographic skills in the areas of multiple trauma, paediatric radiography, gastro-intestinal and genito-urinary contrast examinations. The unit also provides the student with a 'problem solving' approach to technically difficult radiographic examinations. Case scenarios include a variety of patient injuries, pathological diseases and physical disabilities.

MRTY 3044 **Radiography IIB**

Old code 18344. 2 credit points
Offered: July. **Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography 1B MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education HIA MRTY 3035 (18335).

This unit provides students with knowledge of specialised radiographic imaging modalities. These include angiography, CT, MRI and other smaller areas of contrast examinations. Students will examine aspects such as patient and contrast media preparation, technical considerations and routine protocols for the specialised modalities. The appropriateness of a particular imaging modality will be discussed with respect to the diagnosis of injury or presence and extent of a disease process.

MRTY 3049 **Radiation Therapy IIA**

Old code 18349. 5 credit points
Offered: February. Prerequisite: (except Singapore courses) Radiation Therapy 1AMRTY2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256). Corequisite: (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330).
This is the fourth of five units which cover the principles and applications of applied radiation therapy. Advanced routine applications of radiation therapy are examined, including the incorporation of cross-axial imaging modalities into planning. Problem-based learning methods will be used in this unit.

MRTY 3050 Radiation Therapy IIB

Old code 18350. 3 credit points
Offered: July. Prerequisite: (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253). Corequisite: (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330).
This is the last of five units which cover the principles and applications of applied radiation therapy. This unit extends the study of the applications of radiation therapy into the rarer techniques and provides an introduction to the less common modalities of brachytherapy, stereotactic radiosurgery, interoperative radiotherapy and others.

MRTY 3051 Radiotherapy Physics IIA

Old code 18351. 2 credit points
Offered: February. Prerequisite: (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254).
This is the third of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY 3052 Radiotherapy Physics IIB

Old code 18352. 2 credit points
Offered: July. Prerequisite: (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351).
This is the last of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY 3053 Principles of Oncology A

Old code 18353.2 credit points
Offered: February. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the first of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3054 Principles of Oncology B

Old code 18354. 2 credit points
Offered: July. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the second of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3057 **Field Project A**

Old code 18357. 4 credit points
Mr John Robinson & Ms Marianne Rinks
Offered: February. **Assessment:** Assignment, portfolio.
This unit comprises one module on a clinically related unit such as quality assurance.

MRTY 3058 **Field Project B**

Old code 18358.11 credit points
Mr John Robinson & Ms Marianne Rinks
Offered: July. Assessment: Assignment, portfolio.
This project comprises a number of modules on clinically related unit such as department design and safety issues, and computer communication and management.

OCCP 3029 Honours Research Seminar I

Old code 15378. 3 credit points
Dr Christine Chapparo
Offered: July. **Classes:** On Campus 2 hours/week. **Assessment:** Ongoing.

This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and ethics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 4019 Honours Research Seminar II

Old code 15442. 4 credit points
Dr Christine Chapparo
Offered: Full year. **Classes:** On Campus 2 hous/week.
Assessment: Ongoing.

The seminar is designed to assist and support Honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for Honours students to discuss with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP4037 Fieldwork Education

Old code 154A2. 6 credit points

Offered during the Inter-semester break.

This unit has one 4-week block placement in a professional setting during the intersemester break. It aims to broaden students (who are qualified occupational therapists) perspective of occupational therapy practice and to provide them with the opportunity to gain specialised occupational therapy knowledge and skills in an area of practice, which they can take back to their country of origin.

OCCP4038 Evaluation of Occupational Therapy Programs

Old code 154A3. 3 credit points

Semester 1: 1 credit point. Inter-semester: 2 credit points.

This unit gives students the opportunity to utilise beginning research skills and apply them to Program Evaluation in a clinical context. Students will identify an evaluation issue based on their Fieldwork Education placement, research the literature relative to the evaluation issue and prepare an evaluation proposal. The proposal is documented in a written report.

OCCP4039 Elective Study

Old code 154A4. 3 credit points
Offered: February.

This unit provides students the opportunity to choose a relevant unit from undergraduate courses which are being offered by Schools and/or Departments of the Faculty of Health Sciences, The University of Sydney, unit to the approval of relevant Heads of Schools and/or Departments.

OCCP 4042 Occupational Therapy Theory & Process IVB

Old code 154A7. 2 credit points
Offered: February.

Students will have an opportunity to select one elective from a range of topic areas which may include Fieldwork Supervision, Culture, Management and Information of Technology, and Using Educational principles in Occupational Therapy.

OCCP 4045 Occupational Therapy Theory & Process IVA

Old code 154B0. 2 credit points

Students will develop professional skills in oral and written presentation. Specifically, students will prepare and run a workshop on a skill related to community occupational therapy practice. Students will develop a teaching manual for their workshop.

OCCP 4046 Components of Occupational Performance

Old code 154B1. 4 credit points

Advanced studies in specific areas of component performance will be underaken in order for students to identify and critique occupational therapy analysis and intervention in specific areas of biomechanical, sensorimotor, cognitive and psychosocial performance as they underpin human occupational performance. Students will be given an opportunity to choose from several advanced inquiry units.

OCCP 4047 Human Occupations

Old code 154B2. 2 credit points
Offered: February.

This unit provides students with the opportunity to choose a relevant unit, e.g. Management of children with learning disorders, from Human Occupations IV (OCCP 4026).

OCCP 4049 Honours Dissertation A

Old code 154B3A. 6 credit points
Mr Philip Chan

Offered: February. Assumed knowledge: Research and Statistics. Classes: On Campus 2 hours/week. Assessment: Assignment. This unit is designed for honours students to develop their individual research project proposal under the supervision of the supervisor. At the end of Semester 1, each student will have prepared a written proposal and ethics application.

OCCP 4050 Honours Dissertation B

Old code 154B3B. 16 credit points
Mr Philip Chan

Offered: July. Prerequisite: Honours Dissertation A OCCP 4049 (154B3A). Assumed knowledge: Research and Statistics. Classes: On Campus 2 hours/week. Assessment: Assignment. This unit is designed for honours students to develop their individual research project proposal under the supervision of the supervisor. At the end of Semester 1, each student will have prepared a written proposal and ethics application.

In Semester 2, each student will implement, under the close supervision of the supervisor, an approved project and submit a written report that normally does not exceed 20,000 words.

PHTY4066 Clinical Education IVA

Old code 164G7. 9 credit points
Ms Vicki Williams
Offered: February. **Prerequisite:** Clinical Education III PHTY 3031 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). Classes: 175 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.

Practical: 175 hours of clinical practice.

PHTY 4067 Clinical Education IVB

Old code 164G8. 9 credit points
Ms Cheryl Hobbs
Offered: February. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). Classes: 175 hours. **Assessment:** Continuous assessment.

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, TVC or IVD.

Practical: 175 hours of clinical practical.

PHTY 4068 Evidence-Based Practice

Old code 164G9. 3 credit points
Dr Robert Herbert
Offered: Full year. **Prerequisite:** Research Methods I: Design BEHS 1108 (101C5), Research Methods II: Analysis BEHS 2111 (102C3). **Classes:** February 13 hours/July 39 hours. **Assessment:** Report 40% and examination 60%.

Semester 1-1 credit point, Semester 2-2 credit points

In this unit students will learn how clinical epidemiology research can guide clinical practice. Students will learn to find

and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists, and how to apply that information to individual patients.
Textbooks
Evidence-based Medicine. (2nd ed). Sachett, D. L. et al. (2000). Churchill-Livingstone

PHTY4069 **Complex Cases**

Old code 164H0. 2 credit points
Ms Virginia Fowler
Offered: Full year. Prerequisite: Cardiopulmonary Physiotherapy II PHTY3029 (16630), Musculoskeletal Physiotherapy PHTY3036, (16337), Neurological Physiotherapy I PHTY3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341). Classes: February 21 hours/July 15 hours. Assessment: Examination (10 minutes) in July semester.
The aim of this unit of study is to enable students to develop their skills in analysing and planning management of patients with multi-system and/or complex problems. Students are required to integrate material from core areas of musculoskeletal, cardiopulmonary, neurological and paediatric physiotherapy. The unit of study involves in-depth discussion of a small number of case studies in tutorials. The case studies are changed each year to enable a range of clinical practice to be studied in detail. Lectures provide extra information to the cases under discussion.

PHTY 4070 **Elective**

Old code 164H1. 2 credit points
Dr Colleen Canning
Offered: February, July. **Classes:** Variable depending on the nature of elective unit.
Students negotiate an approved elective, either from within the School of Physiotherapy or from another School or Department in the Faculty of Health Sciences or the wider University. The School of Physiotherapy will offer a number of electives which will run as independent learning or semi-independent learning units. Students are not permitted to enrol in units for which attendance and/or assessment requirements conflict with Clinical Education syllabus. Students must have completed Clinical Education III before taking an elective offered by the School of Physiotherapy.

PHTY 4071 **Advanced Manipulation Skills**

Old code 164H2.1 credit point
Dr Kathryn Refshauge
Offered: July. **Prerequisite:** Musculoskeletal Physiotherapy III PHTY 3036 (16337). **Classes:** 16 hours. **Assessment:** Practical exam.
Advanced Manipulation Skills aims to further advance student's ability to employ evidence-based practice in the management of musculoskeletal conditions of the periphery and the spine. Students study practical and theoretical aspects of manipulative physiotherapy to encourage integration of selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. Students evaluate the efficacy of advanced manipulative procedures, and the mechanisms of effect where known. Students also practice the application of advanced manipulative procedures including manipulation of selected peripheral and spinal joints. Students thus practice and evaluate a range of strategies to decrease pain and impairment and to improve function in patients with acute, sub-acute and chronic pain. The roles of other health professionals in management of musculoskeletal conditions are also examined, including exposure to the chiropractic perspective in managing musculoskeletal conditions. This unit also examines the theoretical base for clinical intervention encompassing a historical perspective of musculoskeletal physiotherapy and examines other approaches to management of musculoskeletal conditions.
Practical: 11 hours of practical classes.
Textbooks

Musculosketal Physiotherapy Clinical Science and Practice. Refshauge and Gass, (1995). Butterworth-Heinedown

PHTY 4072 **Neurological Physiotherapy II**

Old code 164H3.1 credit point
Dr Colleen Canning
Offered: July. **Prerequisite:** Neurological Physiotherapy I PHTY 3037 (16338). **Classes:** 17 hours.
This unit introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barre syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long-term conditions of the nervous system.

PHTY 4073 **Clinical Education IVC**

Old code 164H4. 9 credit points
Ms Vicki Williams
Offered: July. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175 hours. **Assessment:** Continuous assessment.
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.
Note: Students failing Musculoskeletal Physiotherapy in are precluded from undertaking the Musculoskeletal Module of Clinical Education TVA, IVB, TVC or IVD.
Practical: 175 hours clinical practical.

PHTY 4074 **Clinical Education IVD**

Old code 164H5. 9 credit points
Dr Catherine Dean
Offered: July. **Prerequisite:** Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4) Clinical Education IVD PHTY 4074 (164H5). **Classes:** 175 hours. **Assessment:** Continuous assessment.
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.
Note: Students failing Musculoskeletal Physiotherapy in are precluded from undertaking the Musculoskeletal Module of Clinical Education TVA, TVB, TVC or IVD.
Practical: 175 hours clinical practical.

SING 4008 **Pathophysiology**

Old code 20408. 3 credit points
Offered: February.
This unit examines the major causative factors of disease and their relationship to the epidemiology of illness.

SING 4009 **Sociology of Work and Organisations**

Old code 20409. 3 credit points
Offered: February.
This unit examines the structural and procedural aspects of organisations, using a sociological framework. There is an emphasis on the hospital as the major workplace of health care professionals, especially nurses, and addresses pertinent concerns and issues.

SING 4010 **Financial Management in the Health Services**

Old code 20410. 3 credit points
Offered: February.

This unit introduces students to the financial management of hospitals and health services institutions. Topics covered include basic accounting procedures, financial and budgetary process, types of budgets, and auditing procedures. In addition the unit covers hospital accounting systems and methods of funding, hospital cost analysis and control, and clinical costing systems. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4011 Sociology of Client/Practitioner Relationships

Old code 20411. 4 credit points
Offered: July.

This unit examines the practitioner/patient relationship within the generic professional-client model. Different sociological paradigms are applied to analyse structure, conflict, interaction, affect and social skill in the practitioner-patient relationship.

SING 4012 Health Assessment

Old code 20412. 3 credit points
Offered: February.

This unit provides students with an understanding of the principles of health assessment and the skills necessary to undertake health history and physical examination.

SING 4013 Management in Nursing

Old code 20413. 4 credit points
Offered: July.

This unit introduces students to theories and general principles of management and relates these to the management of health services. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas covered include total quality management, human resource management, and the management of conflict and change in the workplace.

SING 4014 Advanced Clinical Studies

Old code 20414. 4 credit points
Offered: July.

This unit provides students with the opportunity to examine various aspects of nursing practice. Various nursing practices will be examined for their relevance and appropriateness, using knowledge from a variety of sources. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4034 Management in Nursing

Old code 20434. 4 credit points
Offered: February.

This unit introduces students to theories and general principles of management and relates these to the management of health services. Topics focus on both traditional and contemporary management theories and the management functions of planning, organising, leading and controlling. Other areas covered include total quality management, human resource management, and the management of conflict and change in the workplace.

SING 4035 Sociology of Client/Practitioner Relationships

Old code 20435. 4 credit points
Offered: February.

This unit examines the practitioner/patient relationship within the generic professional-client model. Different sociological paradigms are applied to analyse structure, conflict, interaction, affect and social skill in the practitioner-patient relationship.

SING 4037 Advanced Clinical Studies

Old code 20437. 4 credit points
Offered: February.

This unit provides students with the opportunity to examine various aspects of nursing practice. Various nursing practices will be examined for their relevance and appropriateness, using knowledge from a variety of sources. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING 4038 Health Care Ethics

Old code 20438. 3 credit points
Offered: February, July.

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4039 Legal Perspectives and Health Care

Old code 20439.3 credit points
Offered: February, July.

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4040 Patient/Client Education

Old code 20440. 3 credit points
Offered: February, July.

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is 'personally distinctive' about their own style of teaching.

SING 4041 Managing Resource Demands in Health Services

Old code 20441. 3 credit points
Offered: February, July.

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4042 **Pathophysiology A**

Old code 20442. 3 credit points
Offered: February, July.

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4043 **Pathophysiology B**

Old code 20443. 3 credit points
Offered: February, July.

Pathophysiology B complements Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are

emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4044 **Research Methods I**

Old code 20444.3 credit points
Offered: February, July.

This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care settings. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

SING 4045 **Research Methods II**

Old code 20445.3 credit points
Offered: February, July.

The unit of study (rather than a course = Bachelor of Health Science) examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focussed group research project.

SING 4046 **Sociology of Work and Organisations**

Old code 20446.3 credit points
Offered: February, July.

This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

SING 4047 **Sociology of Patient-practitioner Relations**

Old code 20447.3 credit points
Offered: February, July.

This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of health care professionals. Consideration will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facilitate communication and interaction in the patient-practitioner relationship.

SING 4048 **Nursing Knowledge and Health Care in Singapore**

Old code 20448. 6 credit points
Offered: February.

This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore health care system, focusing particularly on the role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

SING 4049 **Advanced Clinical Studies I**

Old code 20449. 6 credit points
Offered: February.

This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4050 **Advanced Clinical Studies II**

Old code 20450. 6 credit points
Offered: July.

This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilizes a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4051 **Evaluation in Physiotherapy**

Old code 20451. 3 credit points
Offered: July.

This unit of study provides students with the knowledge and skills needed to critically evaluate clinical epidemiology research (that is, research investigating treatment effectiveness, the utility of diagnostic tests, and the causes and prognosis of disease). This knowledge and these skills can be used to improve clinical practice.

SING 4052 **Topics in Physiotherapy Management**

Old code 20452. 3 credit points
Offered: July.

This unit of study module provides the student with knowledge and skills in Quality Management and Health Promotion appropriate for physiotherapy practice. It consists of two discrete components related to the delivery of physiotherapy services for the year 2000 and beyond. The first component focuses on Quality Management and the second on Health Promotion. The Quality Management component aims to explore the principles and procedures of Quality Management specifically in relation to evaluation of patient outcomes. Prior knowledge is built up in such a way as to ensure that the student will be able to evaluate physiotherapy services using valid and reliable criteria. This component provides the student with the opportunity to identify areas in which evaluation can be used to direct physiotherapy intervention; to discuss practical aspects as well as philosophical issues related to measurement of outcome; and to investigate the variety of measures used to assess clinical outcomes. The student will also explore these issues in the student's own workplace and develop a project proposal. Factors considered in determining the effectiveness of a physiotherapy service will include the direct and indirect costs of the service and the benefits gained by both individuals and the community. The Health Promotion component will provide the student with an overview of the principles and practice of health promotion which is explored within a community based framework. These principles relate to the skills a physiotherapist can offer in delivering a well planned health promotion project for a specific community group such as aging and or working populations. The student will critique a health promotion program that has been implemented in the student's community. This will provide a discussion with the other students. In analysing the Health Promotion Program the student will develop critical skills giving due consideration to the program's appropriateness for the specific group being targeted and the health problem the program is attempting to prevent.

SING 4053 **Advanced Physiotherapy Studies**

Old code 20453. 3 credit points
Offered: July.

The aim of this module is to assist you in developing your clinical reasoning skills, and to apply these skills in identifying priorities in the treatment of complex cases. Where appropriate you will be encouraged to integrate your clinical management skills across the three traditional areas of physiotherapy: musculoskeletal, cardiopulmonary and neurology. This means you will be asked to apply clinical reasoning skills to develop treatment

strategies to address priorities when factors not related to the primary problems interfere with a conventional approach.

SING 4054 Community Based Programs Development

Old code 20454. 3 credit points
Offered: February.

This unit provides students with the opportunity to understand the issues of service provision within a community context and to explore a range of strategies which underpin the development of community based programs relevant to the needs of the Singapore population. Students will have the opportunity to attend and participate in workshops, which focuses on a micro skills appropriate for use in community occupational therapy.

SING 4055 Managing Occupational Therapy Services

Old code 20455. 3 credit points
Offered: February.

This unit provides students with the opportunity to review current managerial theories and techniques which can be applied to the planning, organising, staffing, leading and assuring quality of service of the occupational therapy services in the Singapore context.

SING 4056 Cognitive and Perceptual Components of Occupation

Old code 20456. 3 credit points
Offered: July.

This unit will extend students' knowledge and skills relative to occupational therapy management of children and adults who have neurological conditions which affect their occupational performance. The emphasis will be on the assessment and treatment of cognitive/perceptual disorders that interfere with the performance of everyday tasks and routines.

SING 4057 Advanced Communication Techniques in Occupational Therapy

Old code 20457. 3 credit points
Offered: July.

This unit introduces students to a range of advanced communication techniques for the development of self, clients and significant others. Identification of own and others' learning styles, conflict resolution, negotiation, assertive, neurolinguistic and summarizing techniques will be addressed, with specific reference to their application in cognitive, intra- and inter-personal components of performance.

SING 4058 Department Design and Safety Issues

Old code 20458. 3 credit points
Offered: February.

This module provides students with the opportunity to examine the physical aspects of departmental design including ionising and non-ionising radiation safety. The importance of matching resources with requirements and for studying patient and information flow in the department will be examined. Design and importance of radiation shielding and the testing of installation sites will be reviewed. Occupational health and safety issues including comparisons of appropriate standards and guidelines for staff, patients and the general public will be examined. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

SING 4059 Computer Communication in Medical Radiation Technology

Old code 20459. 3 credit points
Offered: February.

This module provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care. Concepts involving Picture Archival and Communication Systems (PACS), DICOM, Radiology Information System *(BIS)*, tele-radiology and record and verify systems will be discussed. Guidelines concerning information security and confidentiality will be discussed. The impact of image matrix size on image quality, information storage, data transfer rates, display capability and the need for storage compression will be examined. This module also provides the student with the opportunity to examine a range of computer methods to efficientiy utilise staff time and resources within a Medical Radiation Department. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

SING 4060 Management of Equipment Selection

Old code 20460. 3 credit points
Offered: July.

This module provides students with an understanding of equipment selection and the on-going requirements of quality assurance and quality improvement programs. The needs assessment, formulation offender specifications and the associated justifications will be presented in the tutorial groups.

SING 4061 The Quality Perspective Applied to Medical Radiation Technology

Old code 20461. 3 credit points
Offered: July.

This unit of study introduces the experienced radiographer and therapist to many of the current aspects of the quality perspective. It gives a foundation in the development of the quality perspective and its application to MRT and encourages the experienced radiographer and therapist to examine the management of quality in their work place. The application of quality monitoring to important routine tasks in the MRT environment is explored.

SING 4062 Health Care Ethics

Old code 20462. 3 credit points
Offered: February.

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4063 Legal Perspectives and Health Care

Old code 20463. 3 credit points
Offered: February.

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4064 Patient/Client Education

Old code 20464. 3 credit points
Offered: July.

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is 'personally distinctive' about their own style of teaching.

SING 4065 Managing Resource Demands in Health Services

Old code 20465. 3 credit points
Offered: July.

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4066 **Pathophysiology A**

Old code 20466. 3 credit points
Offered: July.

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4067 **Pathophysiology B**

Old code 20467. 3 credit points
Offered: July.

Pathophysiology B complements Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4068 **Research Methods I**

Old code 20468.3 credit points
Offered: February.

This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care settings. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

SING 4069 **Research Methods II**

Old code 20469. 3 credit points
Offered: February.

The unit of study (rather than a course = Bachelor of HealtJi Science) examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focussed group research project.

SING 4070 **Sociology of Work and Organisations**

Old code 20470. 3 credit points
Offered: July.

This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

SING 4071 **Sociology of Patient-practitioner Relations**

Old code 20471.3 credit points
Offered: July.

This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of healtli care professionals. Consideration will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facihtate communication and interaction in the patient-practitioner relationship.

SING 4072 **Nursing Knowledge and Health Care in Singapore**

Old code 20472. 6 credit points
Offered: February.

This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore healtli care system, focusing particularly on tie role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

SING 4073 **Advanced Clinical Studies I**

Old code 20473. 6 credit points
Offered: February.

This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4074 **Advanced Clinical Studies II**

Old code 20474. 6 credit points
Offered: July.

This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilizes a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

CHAPTER 16

Elective units of study

This chapter lists elective units of study available to undergraduate students throughout the Faculty. The mode of presentation varies between schools. Units are offered subject to sufficient demand and staff availability. Students who require further information about the content or administration of electives and when they are offered should contact the school offering the specific elective. The first four characters of the unit's code represents the school in which the unit is taught (see Table 16.1).

Research elective units of study

BACH 3101 Introductory Epidemiological Methods

Old code 25399. 3 credit points
Dr Kaye Brock
Offered: February.

This unit introduces the students to the basic principles of epidemiology: the study of the distribution of disease and the search for the deterrminants of the observed distribution. This unit provides students with the skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of interventions, and the role of other factors in the aetiology of health outcomes.

BACH 3102 Advanced Epidemiological Methods

Old code 253A0.3 credit points
Dr Kaye Brock
Offered: July.

In this unit the statistics associated with measurement and validity issues involved in the search for cause/effect relationships are expanded, including analysis of confounding variables. The unit also reviews the integral role of biostatistics in the planning stage, and the data-analysis and modelling stages of epidemiological projects, particularly where categorical data are used.

BACH 4017 Epidemiological Research

Old code 25416. 3 credit points
Dr Kaye Brock
Offered: July.

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

BACH 4018 Evaluation Research

Old code 25417. 6 credit points
Dr Ian Hughes
Offered: Not offered in JulyOOFebruary. Classes: Web based.

In this unit students will examine aspects of conducting evaluation research, an area mat focuses on the application of multidisciplinary research memods to health services. Empowering and critical approaches will be included.

BACH 4019 History and Philosophy of Scientific Methodology

Old code 25418. 3 credit points
Dr Rod Rothwell
Offered: February. Classes: On Campus night course.
Assessment: 2 Assignments 1000 words each.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.

The Nature of Science: Problems and Perspectives. (1997). Hung, E. Wadsworth Press.

BACH 4020 Action Research

Old code 25419. 6 credit points
Dr Ian Hughes
Offered: Full year. Classes: Web based, On and Off campus.
Assessment: Project based and interactive continuous assesment.

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 tie practices under consideration. Students may study through independent learning and the internet.

Textbooks

www.cchs.usyd.edu.au/arow

BACH 4043 Intermediate Statistics

Old code 25442. 3 credit points
Dr Peter Choo
Offered: Full year. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Methods 2 BACH 1118 (2511R), or equivalent. **Classes:** On Campus 3 hours/week. **Assessment:** Written assignments and examination.

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

Table 16.1: Unit code prefixes

Prefix	Taught by	Office	Phone
ORTH	School of Applied Vision Sciences	T321	(02) 9351 9250
BACH	School of Behavioural and Community Health Sciences	G101	(02) 9351 9228
BIOS	School of Biomedical Sciences	S134	(02) 9351 9455
CSCD	School of Communication Sciences and Disorders	B100	(02)93519450
EXSS	School of Exercise and Sport Science	S140	(02)93519612
HIMT	School of Health Information Management	T301	(02) 9351 9494
MRTY	School of Medical Radiation Sciences	M201	(02)93519640
OCCP	School of Occupation and Leisure Sciences	M501	(02)93519386
PHTY	School of Physiotherapy	O100	(02)93519273
AHCD	Yooroang Garang: School of Indigenous Health Studies	T409	(02) 9351 9084

BACH 4045 Qualitative Research Methods

Old code 25444. 3 credit points
Dr Cherry Russell
Offered: Full year. **Classes:** On Campus 3 hours/week.
Assessment: 2 assignments.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of tJieir choice throughout the semester. This unit is usually offered on Wednesdays, 4-7pm.
Practical: 2 hours fieldwork.
Textbooks
Course reader

BACH 4046 Survey Research Methods

Old code 25445. 3 credit points
Ms Kate O'Loughlin
Offered: July.

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

BACH 4047 Developing a Research Project

Old code 25446/25446X. 4 credit points
Ms Kate O'Loughlin
Offered: February, July. Classes: On Campus and Off Campus.
The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced. This unit is usually offered on Mondays from 5-8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

BACH 4071 Evidence Based Health Care Research

Old code 25470. 3 credit points
Dr Kaye Brock
Offered: July. Assumed knowledge: Research Methods I: Design.
One of the greatest challenges in modern health care is knowing how to use the results of research in the context of decision making regarding an individual client. This unit provides students with the skills necessary for critical reading of reviews prepared by Cochrane Collaboration concerned with the efficacy of interventions and the aetiology of health outcomes.

BACH 4072 Behavioural Epidemiology for Health Professionals

Old code 25471. 3 credit points
Dr Kaye Brock
Offered: February. **Assumed knowledge:** Research Methods I: Design.

Behavioural Epidemiology is the study of the distribution and deteminants oif the behavioural components of health outcomes. This unit provides students with the skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of behavioural interventions, and the role of behavioural and other factors in the aetiology of health outcomes.

BACH 4073 Metabolic Epidemiology for Health Professionals

Old code 25472. 3 credit points
Dr Kaye Brock
Offered: February. **Assumed knowledge:** Research Methods I: Design.

Metabolic Epidemiology is the study of the distribution and determinants of health outcomes associated with human metabolic status. Metabolic status can be defined variously by anthropometric measures (eg, body measures of fat distribution), physiological measures (eg, muscle strength, energy expenditure, and exercise levels), and nutritional status (eg, dietary intake). This unit provides students with the background and skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of environmental interventions and the role of environment and metabolism with other factors in the aetiology of health outcomes.

Faculty elective units of study

BACH 1028 Research Methods II: Data Analysis and Statistics

Old code 2511H. 3 credit points
Mr Alan Jones
Offered: Full year. Prerequisite: or Corequisite by permission. Research Methods I: Design BACH 1026 (2511F). Classes: Flexible learning. Assessment: Assignment/examination.
This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 1100 Sociology of Community and Family

Old code 25183/25183X. 3 credit points
Dr Rosemary Cant
Offered: July. **Prerequisite:** Introduction to Health Sociology BACH 1098 (25181). **Classes:** On Campus 2 hours/week. **Assessment:** Assignments and examination.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit.
Textbooks
Manual with key material and references.

BACH 1118 Research Methods II: Data Analysis and Statistics

Old code 2511R. 3 credit points
Offered: July. **Classes:** Flexible learning.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, explor-

ing, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks

The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2022 **Psychology of Work and Management**

Old code 2521B. 3 credit points
Dr Barbara Adamson
Offered: July. **Prerequisite:** Social Psychology BACH 2091 (25267) or equivalent. **Classes:** 3 hours/week for 10 weeks. **Assessment:** Continuous.

This unit aims to bring behavioural science perspectives to the analysis of work, work behaviour and occupations as applied to health information management and includes work motivation, work satisfaction, work and the individual, the psychopathology of work, work stress, technical change, work and leisure, redesigning work and managing change.

Practical: Field work.

Textbooks

Manual, key references

BACH 3055 **Cognitive Neuropsychology II**

Old code 25353. 3 credit points
Dr Lynn Harris
Offered: July. **Prerequisite:** (or corequisite) Cognitive Neuropsychology I BACH 2109 (25285). **Assessment:** Assignment and examination.

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

BACH 3063 **Sociology and Psychology of Organisations**

Old code 25361.4 credit points
Dr Barbara Adamson
Offered: February. **Classes:** On Campus 3 hours/week. **Assessment:** Continuous assessment.

There are two modules in this unit. The sociology component will examine the sociology of organisations, including industrial relations, health policy, services and politics, and social change within tMs context. The psychology component will examine fundamental areas in the psychology of work, and the main psychological approaches to understanding work behaviour. Students will develop an appreciation of their own work behaviour and those of others in an organisational setting.

Practical: Fieldwork - 9 hours.

Textbooks

Manual with key reference material and references

BACH 3082 **Sociology of the Aged and Aging**

Old code 25380. 3 credit points
Dr Rosemary Cant
Prerequisite: Introduction to Health Sociology (101C2) or equivalent.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined.

BIOS 1094 **Fundamental Computer Skills**

Old code 111 A3. 3 credit points
Mr Alan Freeman
Offered: February. Classes: On Campus 26 hours. **Assessment:** Two Assignments.

In this unit the student is introduced to the microcomputer, and its basic operating principles and the accompanying operating environment software. In addition, an overview of the operation of the major software packages that would be of use to the practising sport scientist is given.

BIOS 1095 **Data Management and Presentation**

Old code 111A4. 3 credit points
Mr Ian Cathers
Offered: July. **Classes:** On Campus 26 hours. **Assessment:** Two Assignments.

This unit gives students the knowledge and skills to be able to store and manage experimental and other data using the microcomputer, to use microcomputer tools to present data and reports in an effective way, and to understand fie use of computers in communications at a local, national and international level.

BIOS 3049 **Hormones, Metabolism and Exercise**

Old code 113A2. 4 credit poinis
Dr Margaret Bermingham
Offered: July. Prerequisite: Biochemistry of Exercise EXSS 2003 (22203), Exercise Physiology I EXSS 2013 (22213). Assessment: Student Seminars, Mid-Semester Exam, End-Semester Exam.

This unit examines the structure and function of hormones, the regulation and response of hormones to exercise and the role hormones play in the exercise response. Particular attention is given to the role and response of hormones with respect to the specificity of exercise, environmental stress, training and clinical states such as diabetes, amenorrhoea and osteoporosis.

BIOS 4035 **Sexuality for Health Professionals**

Old code 112B4. 3 credit points
DrPatWeerakoon
Offered: July.

This unit will examine the bio-psycho-social aspects of sexuality and health care and assist health professionals to develop services for clients who have sexual or reproductive concerns.

The course unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. The unit will extend the students knowledge pertaining to sexuality in academics. Students will be encouraged to examine their attitudes towards a range of sexual behaviours and develop skills in assisting clients who have sexuality related problems.

Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. Students will be given the opportunity to explore individual interest areas in depth.

A variety of classroom activities and multimedia resources will be used. Corporative learning will be encouraged with group discussions and presentations.

It is recommended that students be in at least the second year of their professional training when they take this unit. However, students in their first year with prior tertiary training will be enrolled at the coordinators discretion. A knowledge of basic anatomy and physiology of the reproductive and sexual organs will be assumed.

BIOS 4036 **Biology of Ageing**

Old code 11490. 3 credit points
Dr Peter Knight
Offered: February. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures, seminar presentations. **Assessment:** Assignment and Exam.

This unit of study examines the physiological changes associated with the normal process of ageing and the decrease in functional capacity in various body systems which occurs as a result. An emphasis is placed on the concept of 'reserve capacity' as a key factor in differentiating normal ageing from disease. The following topics are studied:

- a physiological explanation of ageing
- the cardiovascular system
- the respiratory system
- the immune system
- the nervous system and special senses

- the musculoskeletal system
- the skin
- the renal system
- the endocrine system.

An understanding of the normal processes of ageing will help health professionals to:

- interpret the ageing experience from the point of view of the client
- understand the functional limitations which result from ageing
- develop techniques to minimise the functional effects of ageing related changes
- differentiate 'normal' from 'abnormal' ageing
- develop policies related to the care of the aged.

BIOS 4037 Applied Biology of Ageing

Old code 11491.1 credit point
Dr Peter Knight
Offered: February. **Corequisite:** Biology of Ageing BIOS 4036 (11490). **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. **Assessment:** Assignment.

This unit of study expands on the concepts developed in Biology of Ageing. The emphasis remains on differentiating the normal ageing process from disease.

The functional implications of the normal ageing process are examined from a biological viewpoint. The techniques used to develop and implement strategies to minimise the adverse effects of these changes will be an important theme.

There will be a particular emphasis on pharmacology in the aged.

BIOS 4038 Health, Disease and Ageing

Old code 11492. 3 credit points
Dr Peter Knight
Offered: July. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. **Assessment:** Assignment and Exam.

While ageing and disease are not synonymous, the incidence of disease increases as people age. This unit of study will examine the disease processes which are of importance in the aged. The issues will be addressed in terms of:

- the factors which are responsible for the increased incidence of disease in the aged
- tie role of environmental factors in the development of disease
- the relationship between disease and functional limitation
- the measures which can be taken to minimise the development and biological impact of disease
- a review of important diseases in various body systems
- the relationship between the biomedical effects of ageing and sexuality.

An understanding of the effects of disease and dysfunction in ageing will help health professionals to:

- interpret the ageing experience from the point of view of the client
- understand the functional limitations which result from disease
- understand and apply techniques which minimise the functional effects of ageing related changes
- develop policies related to the care of the aged, particularly in the fields of health promotion and service planning and provision.

BIOS 4039 Biological Aspect of Disease Management

Old code 11493.1 credit point
Dr Peter Knight
Offered: July. **Corequisite:** Health, Disease and Ageing BIOS 4038 (11492). **Classes:** Presented in flexible mode, comprising learning packages and readings, seminar presentations. **Assessment:** Assignment.

In this unit of study, students will examine one disease of particular interest to them, and of relevance to their professional background. The unit of study will be studied with the aim of:

- identifying the range of biological effects the disease may have on the aged
- identifying strategies which may be used to minimise and manage the development of disease related changes
- identifying strategies which may be used to manage the disease related effects which have developed
- identifying strategies which may be used to minimise the incidence of the disease in the aged and the wider community who will become the aged population of the future.

BIOS 4040 Alternate Health Care in Health Professional Practice

Old code 11494.2 credit points
DrPatWeerakoon
Offered: July.

This module will allow the student to explore the alternate/complementary health care options available to clients. It will provide the students the opportunity to develop the skills to assist clients in selecting management options best suited to them.

At the end of this module the student will be in a position to:

- Identify the range of therapies known as 'alternate health care'
- Discuss the difference between 'complementary' and 'alternative' and their value in disease management
- Locate information on specific therapies
- Discuss a specific therapy with a client as relevant to their needs.

Instructional methodology will include class discussions, team work and off campus structured learning exercises. Assessment will consist of case studies and team work presentations.

BIOS 4041 Toxic Effects of Drugs and Other Chemicals

Old code 11495. 3 credit points
Dr Helen Ritchie
Offered: July. **Prerequisite:** Introductory Biomedical Sciences BIOS 1114 (111D0) or equivalent, Body Function in Health and Disease BIOS 1115 (111D1) or equivalent. **Assessment:** Final Exam, Assignment.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals, herbal medicines and medicines in pregnancy. The unit will have a compulsory introductory toxicology subunit plus a total of three subunits selected from the following topics: environmental pollutants, industrial exposures, side effects of traditional and herbal medicines. The unit of study will have a largely problem-based approach and will be delivered in distance mode supported by group-based tutorials on the internet.

BIOS 4042 Research into Toxic Effects of Drugs and Other Chemicals

Old code 11496.4 credit points
Dr Helen Ritchie
Offered: February. Prerequisite: Introductory Biomedical Sciences BIOS 1114 (111 DO) or equivalent, Body Function in Health and Disease BIOS 1115 (111D1) or equivalent. Classes: On Campus 4+, Off Campus. Assessment: Final Exam, Assignment.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals, herbal medicines and medicines in pregnancy. The unit will have a compulsory introductory toxicology subunit plus a total of three subunits selected from the following topics: environmental pollutants, industrial exposures, side effects of traditional and herbal medicines. An additional project, on consultation with staff from the School and tailored specifically to the students needs, would be undertaken to complete the unit.

The unit of study will have a largely problem-based approach and will be delivered in distance mode supported by group-based tutorials on the internet.

BIOS 4047 **Body Systems and Human Function**

Old code 114A2. 3 credit points
Dr Jennifer Lingard
Offered: July. **Assumed knowledge:** Basic Cellular Function. **Classes:** On Campus Flexible Mode. **Assessment:** Written examination.

Disorders affecting homeostasis frequently compromise the ability of an individual to perform activities of daily living. This unit will present the key roles of the kidney, gastrointestinal system and endocrine glands in maintaining homeostasis in the body. It will cover both normal function and the effects of dysfunction. The unit will also present an overview of normal reproductive function that will give the student insight into problems with the reproductive system, and serve to underpin the elective on sexuality.

The unit is designed to increase students' understanding of normal body function and enhance their ability to function within health care teams. It is suitable for students wishing to broaden their knowledge of the effects of compromised body function on health and daily living. It will also provide valuable background knowledge for many other electives in biomedical sciences and for other related aspects of students' study.

It could be studied at any time in undergraduate courses after the completion of first semester first year. It would be highly suitable as a companion unit to Body Function in Health and Disease, or any other similar unit.

The unit will be presented on campus in flexible mode by using independent study modules complemented with a few lectures and tutorials; and by distance mode from 2002.

Textbooks

No specific text

EXSS 1005 **Sport First Aid/Trainer**

Old code 22105. 3 credit points
Dr Margaret Torode
Offered: February. Assessment: Continuous.

This unit aims to provide students with appropriate skills and training for the effective initial management of sport injury situations. On completion of the unit students will be able to execute immediate first aid care with particular attention to extreme environments, soft tissue injuries and demonstrate a sound understanding of communicable diseases and their precautions. Principles and practices for the role of the Sports Trainer in relation to specific injury management, will be explored.

EXSS 1008 **Sport Coaching**

Old code 22108. 3 credit points
Dr Nick Linthome
Offered: February. Classes: On Campus 1-2 hours/week. **Assessment:** Final examination.

This unit introduces students to a range of issues involved in coaching individuals and team sports, children, the disabled and elite athletes. An integrated approach to the basic principles and practice of sports coaching is presented. On completion of this unit the student will be able to develop an effective sport coaching program with an understanding of the fundamental requirements for skill acquisition, physical conditioning and peak performance.

Textbooks

1) Better Coaching: Advance Coach's Mannual. Pyke, F.S. (Editor) (1991). ACC.
2) Review questions and additional readings

EXSS 1011 **Performance Analysis**

Old code 22111. 3 credit points
Offered: July.

This unit will include knowledge of video recording systems, use of measuring instruments, collecting and analysing data, estimating errors, principles of performance analysis and reporting. This knowledge will be applied in the generation of the student's own video and analysis. For the most part, this unit will be practical application using facilities available at the University

EXSS 1013 **Fundamentals of Exercise Science**

Old code 22113. 6 credit points
Ms Rhonda Orr
Offered: July.

This unit provides students with the fundamental principles and practices of exercise science, which comprises fitness assessment and exercise prescription for cardiorespiratory endurance, high resistance training and flexibility. The unit examines the rationale for fitness assessments of the general population, children and the elderly, as well as provide the skills to safely and competently perform the appropriate laboratory and field tests for each fitness component. In addition, this unit explores the fundamentals of exercise programming for the general population with an emphasis towards developing aerobic fitness, muscular strength and body fat reduction. On completion of this unit the student will gain an understanding of the major principles and the underlying physiological basis of fitness testing and be able to structure an effective exercise program, to achieve enhanced physical performance without incurring injury.

EXSS 2001 **Growth, Development and Ageing**

Old code 22201. 5 credit points
Dr Margaret Torode
Offered: July. **Assessment:** Continuous.

This course aims to provide students with an understanding of growth, development and ageing of the human from prenatal until elderly, with particular reference to the effect on physical performance. Motor skill development and physical performance will be examined and related to morphology and stages of growth. The relationship between biological measurements, growth, gender and chronology will be explored.

EXSS 3018 **Management, Marketing and the Law**

Old code 22318. 4 credit points
Offered: July.

This unit presents management practices and associated responsibilities in a format to allow students to demonstrate a practical and effective level of knowledge of the field of business management. Attention is given to the fundamentals of planning, organising, staffing and control within an organisation as well as the basics of financial and budgetary controls. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Marketing and public relations are introduced to augment the areas of program organisation for facility planning and operations.

EXSS 4003 **Biological Measurement and Analysis**

Old code 22404. 3 credit points
Dr Richard Smith
Offered: July.

This unit is a study in measurement, recording and analysis of biological signals. Concepts in the nature of biological signals, their transduction, storage and display, are presented and worked on within the students; own specific research application.

OCCP 3058 **Contemporary Leisure Concepts**

Old code 153A3. 2 credit points
Mr Laurence Bathurst
Offered: February. **Prerequisite:** Human Occupations IIA OCCP 2041 (15297). **Corequisite:** Human Occupations IIA OCCP 2041 (15297).

The purpose of this elective is to build on the work covered in the leisure module in Human Occupations IIA. It will provide students the opportunity to further develop their knowledge and understanding of contemporary concepts relating to leisure in the lifespan and how these can be incorporated into practice.

CHAPTER 17

Postgraduate courses

Summary of graduate courses

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

Area of study	Mode	Course code	Unit code
Australian Stuttering Research Centre	full-time	2401	STUT 7002 (24601A)
	part-time	2402	STUT 7003 (24601B)
Behavioural and Community Health Sciences	full-time	2536	BACH 7005 (25704)
	part-time	2535	BACH 7006 (25705)
Biomedical Sciences	full-time	1109	BIOS 7002 (11601A)
	part-time	1108	BIOS 7003 (11601B)
Communication Sciences and Disorders	full-time	1211	CSCD 7002 (12601A)
	part-time	1210	CSCD 7003 (12601B)
Exercise and Sport Science	full-time	2202	EXSS 7002 (22601 A)
	part-time	2201	EXSS 7003 (22601B)
Health Information Management	full-time	0916	HIMT 7002 (09601 A)
	part-time	0912	HIMT 7003 (09601B)
Indigenous Health Studies	full-time	0710	AHCD 6001 (07601A)
	part-time	0711	AHCD 6002 (07602B)
Medical Radiation Sciences	full-time	1825	MRTY 7002 (18601A)
	part-time	1820	MRTY 7003 (18601B)
Occupational Therapy	full-time	1524	OCCP 7002 (15601 A)
	part-time	1521	OCCP 7003 (15601B)
Orthoptics	part-time	1412	ORTH 7002 (14601A) ORTH 7003 (14601B)
Physiotherapy	full-time	1618	PHTY 7002 (16601A)
	part-time	1623	PHTY 7003 (16601B)
National Voice Centre	full-time	2101	VOIC 7002 (21601A)
	part-time	2105	VOIC 7003 (21601B)
Rehabilitation Research Centre	full-time	2301	REHA7002(23601A)
	part-time	2302	REHA7003(23601B)

Research area	Duration	Mode	Course code
Doctor of Health Science (HScD) (generic award)			
	3-5 years	full-time	2601
	6-10 years	part-time	2602
	3-5 years	full-time off-campus	2604
	6-10 years	part-time off-campus	2603
Master of Applied Science (MAppSc) by research			
Australian Stuttering Research Centre (generic award)	min 2 years	full-time	2403
	min 3 years	part-time	2404
Behavioural Science	min 2 years	full-time	2538
	min 3 years	part-time	2539
Biomedical Sciences	min 2 years	full-time	1116
	min 3 years	part-time	1117
Communication Sciences and Disorders	min 2 years	full-time	1213
	min 3 years	part-time	1214
Education	min 2 years	full-time	2506
	min 3 years	part-time	2507
Exercise and Sport Science	min 2 years	full-time	2203
	min 3 years	part-time	2204
Gerontology	min 2 years	full-time	2508
	min 3 years	part-time	2509
	min 3 years	off-campus	2561
Health Information Management	min 2 years	full-time	0909
	min 3 years	part-time	0910
Indigenous Community Health	min 2 years	full-time	0708
	min 3 years	part-time	0709

Research area	Duration	Mode	Course code
Medical Radiation Sciences	min 2 years	full-time	1827
	min 3 years	part-time	1828
National Voice Centre (generic award)	min 2 years	full-time	2103
	min 3 years	part-time	2104
Occupational Therapy	min 2 years	full-time	1518
	min 3 years	part-time	1511
	min 3 years	off-campus	1536
Orthoptics	min 2 years	full-time	1407
	min 3 years	part-time	1408
Physiotherapy	min 2 years	full-time	1624
	min 3 years	part-time	1625
Rehabilitation Counselling	min 2 years	full-time	2513
	min 3 years	part-time	2514
Rehabilitation Research Centre (generic award)	min 2 years	full-time	2303
	min 3 years	part-time	2304
Master of Communication Disorders (MCommDis) by research	min 2 years	full-time	1215
	min 3 years	part-time	1216
Master of Health Science (MHlthSc) *by* ***Coursework***			
Behavioural Science (BehSc)	min 1 year	full-time	2540
	min 2 years	part-time	2541
Cardiopulmonary Physiotherapy(CardPulPhty)	min 1 year	full-time	1661
	min 2 years	part-time	1662
Child and Adolescent Health (ChldAdolHlth)	min 1 year	full-time	2546
	min 2 years	part-time	2547
Clinical Data Management MfflthSc(CDM).	min 1 year	full-time	0926
	min 2 years	part-time	0927
Community Health (ComHlth)	min 1.5 years	full-time	0706
	min 3 years	part-time	0707
Education (Ed)	min 1 year	full-time	2525
	min 2 years	part-time	2526
-	min 2 years	off-campus	2524
Exercise and Sport Science (Ex&SpSc)	min 1 year	full-time	2217
	min 2 years	part-time	2218
Gerontology (Geront)	min 1 year	full-time	2520
	min 2 years	part-time	2521
	min 2 years	off-campus	2533
Health Informatics MHlthSc(Hlth Informatics)	min 1 year	full-time	0919
	min 2 years	part-time	0920 -
Indigenous Community Health (IncUgComrnHlth)	min 3 years	off-campus	0703
Management (MHlthSciCMment))[1]	min 2 years	off-shore	2013
Manipulative Physiotherapy (ManipPhty)	min 1 year	full-time	1657
	min 2 years	part-time	1658
Medical Radiation Sciences (MRS)	min 2 years	off-campus	1845
Medical Sonography (Med Sono)	min 3 years	off-campus	1842
Neurological Physiotherapy MHlthSc(NeuroPhty)	min 1 year	full-time	1669
	min 2 years	part-time	1670
Occupational Therapy (OT)	min 1 year	full-time	1547
	min 2 years	part-time	1548
	min 2 years	off-campus	1549
Paediatric Physiotherapy MHlthSc(PaedPhty)	min 1 year	full-time	1665
	min 2 years	part-time	1666
Physiotherapy MHlthSc(Phty)	min 1 year	full-time	1677
	min 2 years	part-time	1678
Speech and Language Pathology (SLP)	min 2 years	off-campus	1223
Sports Physiotherapy MHlthSc(Sports Phty)	min 1 year	full-time	1673
	min 2 years	part-time	1674
Master of Health Information Management (MHIM)	min 1 year	full-time	0923
	min 2 years	part-time	0924
Master of Occupational Therapy (MOT)	min 2 years	full-time	1534
Master of Rehabilitation Counselling (MRehabClng)	min 1.5 years	full-time off-campus	2573
	min 3 years	part-time off-campus	2574
Graduate Diploma of Health Science (GradDipHlthSc)			
Community Health (ComHlth)	min 1 year	full-time	0704
	min 2 years	part-time	0705
Education (Ed)	min 1.5 years	part-time	2528
	min 1.5 years	off-campus	2523
Exercise and Sport Science (Ex&SpSc) .	min 1.5 years	part-time	2216
Health Information Management (HIM)	min 1 year	full-time	0906
	min 2 years	part-time	0918

Research area	Duration	Mode	Course code
Indigenous Community Health (IndigComHlth)	min 2 years	off-campus	0702
Medical Radiation Sciences (MRS)	min 1.5 years	off-campus	1844
Medical Sonography (Med Sono)	min 2 years	off-campus	1841
Vision Impairment (Vislmp)	min 2 years	part-time	1413
Graduate Diploma in Rehabilitation Counselling	min 1 year	full-time off-campus	2571
(GradDipRehabClng)	min 2 years	part-time off-campus	2572
Graduate Certificate of Health Science (GradCertHlthSc)			
Behavioural Science (BehSc)	min 0.5 year	full-time	2544
	min 1 year	part-time	2545
Casemix (Casern)	min 1 year	part-time	0914
Child and Adolescent Health (ChldAdolHlth)	min 0.5 year	full-time	2550
	min 1 year	part-time	2551
Clinical Data Management (CDM)	min 1 year	off-campus	0915
Education (Ed)	min 0.5 year	full-time	2529
	min 1 year	part-time	2530
	min 1 year	off-campus	2522
Exercise and Sport Science (Ex&SpSc)	min 0.5 year	full-time	2213
	min 1 year	part-time	2214
Indigenous Community Health (IndigCommHlth)	min 1 year	off-campus	0701
Medical Radiation Sciences (MRS)	min 1 year	off-campus	1834
Medical Sonography(Med Sono)	min 1 year	off-campus	1843
Occupational Therapy (OT)	min 1 year	part-time	1545
	min 0.5 year	full-time	1544
	min 1 year	part-time	1546
Vision Impairment (Vislmp)	min 1 year	part-time	1414

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

Units of study numbering system

The units of study numbering system is comprised of four letters and four digits. The letters of the alphabet identify the school, 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:

STUT Australian Stuttering Research Centre
DHSC Doctor of Health Science
VOIC National Voice Centre
REHB Rehabilitation Counselling
REHA Rehabilitation Research Centre
ORTH School of Applied Vision Sciences
BACH School of Behavioural and Community Health Sciences
BIOS School of Biomedical Sciences
CSCD School of Communication Sciences and Disorders
EXSS School of Exercise and Sport Science
HIMT School of Health Information Management
MRTY School of Medical Radiation Sciences
OCCP School of Occupation and Leisure Sciences
PHTY School of Physiotherapy
AHCD Yooroang Garang: School of Indigenous Health Studies
SING Singapore Institute of Management

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

Faculty degrees

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

Doctor of Health Science (HScD)

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

Faculty of Health Sciences

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

Program aims and conceptual framework

The professional doctorate is designed to provide specific professional development for health professionals who wish to acquire the knowledge and skills required to assume

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

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

Course design

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

Students will be able to specialise in any of the profession-specific areas within the Faculty, although not all areas will be available for any one intake semester. An outline of the course is given in Table 17.1.

Management of candidature

Candidates will enrol in the Faculty of Health Sciences. Overall coordination of the program and all candidates will be the responsibility of the Program Director. The management of the research component of each candidature will reside jointly with the Program Director (Dr Rod Rothwell) and the head of the academic unit in which the candidate's supervisor is located.

Admission requirements

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

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

Coursework units of study

There will be three core units of study:

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

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

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

Doctoral symposium

Students will be expected to present four (4) research papers to their peers in the form of a thesis proposal and two 'work in progress' papers, one of which might be analogous to an oral defense of the nearly completed thesis.

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

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

Dr Rod Rothwell
Program Director
Phone: (02) 9351 9122
Fax: (02) 9351 9540
Email: r.rothwell@cchs.usyd.edu.au

Doctor of Health Science (HScD)

Resolutions of the Senate

1. Admission to Candidature

(1) General Admission Requirements

An applicant for admission to candidature shall:

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

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

(a) have sufficient time available to complete the requirements for the degree in accordance with these Senate Resolutions, and within the maximum time period prescribed in section 9 of these Resolutions, and
(b) be able to attend the University at such time and on such occasions for the purposes of consultation and participation in prescribed academic and educational activities, as may be required on the recommendation of the Dean, Pro-Dean, Associate Dean (graduate studies) or head of academic unit in which the research is being supervised.
An applicant may be admitted to candidature in the off-campus mode as either a full-time or part-time candidate and will comply with the above regulations.
A candidate pursuing candidature outside Australia must also complete a cumulative minimum period of two semesters of candidature within the University.

Table 17.1: Doctor of Health Science

Course code Mode of offer
2601 Full-time (min) 3 years to 5 years
2602 Part-time (min) 6 years to 10 years
2603 Off-campus (min) 6 years to 10 years
Total credit points required: 144

Unit code	(old code)	Unit name	Sem 1	Sem 2
Full-time mode				
Year 1				
DHSC 7001	(26701)	Theory in the Health Professions	**6**	or 6
DHSC 7002	(26702)	Research and Inquiry in the Health Professions	**6**	or 6
DHSC 7003	(26703)	Foundations for Doctoral Studies	**6**	or 6
		5 electives (6 credit points each)	**30**	or 30
		Stage total (48 credit points for Year 1)	**48**	or 48
Year 2				
DHSC 1002 (26R00A)		Research Thesis	**24**	
DHSC 1003 (26R00B)		Research Thesis		24
		Stage total (48 credit points for Year 2)	**24**	24
Year 3				
DHSC 1002 (26R00A)		Research Thesis	**24**	
DHSC 1003 (26R00B)		Research Thesis		24
		Stage total (48 credit points for Year 3)	**24**	24
Part-time mode				
Year 1				
DHSC 7001 (26701)		Theory in the Health Professions	**6**	or 6
DHSC 7002 (26702)		Research and Inquiry in the Health Professions	**6**	or 6
DHSC 7003 (26703)		Introduction to Graduate Studies	**6**	or 6
		Elective	**6**	or 6
		Stage total (24 credit points for Year 1)	**24**	or 24
Year 2				
		4 electives (6 credit points each)	**6**	or 6
		Stage total (24 credit points for Year 2)	**24**	or 24
Year 3				
DHSC 1002 (26R00A)		Research Thesis	**12**	
DHSC 1003 (26R00B)		Research Thesis		12
		Stage total (24 credit points for Year 3)	**12**	12
Year 4				
DHSC 1002 (26R00A)		Research Thesis	**12**	
DHSC 1003 (26R00B)		Research Thesis		12
		Stage total (24 credit points for Year 4)	**12**	12
Year 5				
DHSC 1002 (26R00A)		Research Thesis	**12**	
DHSC 1003 (26R00B)		Research Thesis		12
		Stage total (24 credit points for Year 5)	**12**	12
Year 6				
DHSC 1002 (26R00A)		Research Thesis	**12**	
DHSC 1003 (26R00B)		Research Thesis		12
		Stage total (24 credit points for Year 6)	**12**	12

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

(3) Admission to Candidature by the Academic Board
On the recommendation of the Faculty of Health Sciences the Academic Board may admit to candidature for the degree an applicant whose application complies with section 1.(1) above and who:
(a) possesses such qualifications as a deemed equivalent to those described in section 1.(2), and
(b) is recommended by the Faculty of Health Sciences as being suitably prepared to pursue graduate studies at this level.

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

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

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

5. *Progress*
(1) At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and head of academic unit concerned and any Unit or Faculty Postgraduate Review Committee.
(2) On the basis of evidence provided, the head of academic unit shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of academic unit considers appropriate.
(3) If a candidate fails to submit evidence of progress or if the head of academic unit concerned considers that the evidence submitted does not indicate satisfactory progress, the Faculty may, on the Head's recommendation, call upon the candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the Faculty, the candidate does not show good cause the Faculty may terminate that candidature or may impose conditions on the continuation of that candidature.

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

7. *Appointment of Examiners*
(1) On receiving the thesis and having considered the certificate of the supervisor, the Dean shall consult with the relevant head of academic unit, and if he or she thinks fit, appoint examiners.
(2) If the dean after consultation with the relevant head of academic unit resolves to appoint examiners, she or he shall appoint three independent examiners at least two of whom shall be external. All examiners shall have at least professional doctorate or PhD qualifications.

(3) The Dean shall report the names of the examiners appointed to the Academic Board, which may appoint one or more additional examiners.
(4) In any case where the Dean, having received the thesis and having considered the report of the supervisor, resolves not to appoint examiners, he or she shall report the circumstances to the Academic Board.

8. Degree Result

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

9. Time Limits

(1) Subject to sub-section 1.(1) a candidate may proceed either on a full-time or part-time basis.
(2) Except in special circumstances and with the approval of the Dean all candidates shall complete a minimum of six (6) semesters of candidature taken over a period of time and in such manner as approved by the Dean.
(3) Except in special circumstances and with the approval of the Dean a candidate shall complete the requirements for the degree not earlier than the end of the sixth and for a full-time candidate not later than the end of the tenth semester and for a part-time candidate not later than the twentieth semester excluding any period of approved suspended candidature.
(4) A candidate shall prepare annually, before re-enrolment, a statement of the work done by the candidate towards completion of the requirements for the degree and submit it to the approved supervisor.
(5) The supervisor shall also prepare an annual report on the work done by the candidate which shall be shown to the candidate for comment, and the candidate shall sign the report as having sighted the contents.
(6) Both reports shall then be forwarded to the Associate Dean, Graduate Studies within the Faculty.

Units of study

DHSC 7001 **Theory in the Health Professions**

Old code 26701. 6 credit points
Classes: On-campus; external/distance mode.
This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to thealth 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.

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 tie advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

DHSC 7003 **Foundations for Doctoral Studies**

Old code 26703. 6 credit points
Classes: On-campus; external/distance mode.
Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critrical 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.

DHSC 1002 **Research Thesis**

Old code 26R00A.
Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

DHSC 1003 **Research Thesis**

Old code 26R00B.
Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

Doctor of Philosophy (PhD)

Resolutions of the Senate

Admission to candidature

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

Probationary acceptance

3. (1) A candidate may be accepted by a faculty on a probationary basis for a period not exceeding one year and upon completion of this probationary period, the faculty

shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

(2) In the case of a candidate accepted on a probationary period under subsection (1), the candidature shall be deemed to have commenced from the date of such acceptance.

Control of candidature

4. (1) Each candidate shall pursue his or her course of advanced study and research wholly under the control of the University.

(2) Where a candidate is employed by an institution other than the University, the faculty or college board may require a statement by that employer acknowledging that the candidature will be under the control of the University.

Other studies during the candidature

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

Earliest date for submission

6. (1) Except as provided in subsection (2), a candidate may not submit a thesis for examination earlier than the end of the sixth semester of candidature.

(2) A faculty or college board may permit a candidate holding any of the following qualifications of the University of Sydney or from such other institution as the faculty or college board may approve, to submit a thesis for examination not earlier than the end of the fourth semester of candidature -

(a) a degree of master completed primarily by research;

(3) Notwithstanding the provisions of subsections (1) and (2) a Faculty may, on the recommendation of the head of department and supervisor concerned, permit a candidate to submit a thesis for examination up to one semester earlier than prescribed if, in the opinion of the faculty, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

Latest date for submission

7. (1) Except as provided in subsections (2) to (4), a candidate shall submit the thesis for examination not later than the end of the tenth semester of candidature.

(2) A candidate who is a full-time member of the academic staff of the University shall submit the thesis for examination not later than the end of the fourteenth semester of candidature.

(3) A candidate whose candidature has been part-time throughout shall submit the thesis for examination not later than the end of the fourteenth semester of candidature.

(4) A faculty or college board may permit a candidate to submit the thesis for examination after a period of time greater than the maximum periods specified.

Location

8. (1) Subject to the annual approval of the supervisor, head of department and faculty or college board, the candidate shall pursue the course of advanced study and research either -

(a) with the University including its research stations and teaching hospitals;

(b) on fieldwork either in the field or in libraries, museums or other repositories;

(c) within industrial laboratories or research institutions or other institutions considered by the faculty or college board concerned to provide adequate facilities for that candidature; or

(d) within a professional working environment;

and shall attend at the University for such consultation with the supervisor and shall participate in such departmental and faculty or college seminars as shall annually be specified.

(2) A candidate pursuing candidature outside Australia must also complete a minimum of two semesters of candidature within the University before submission of the thesis.

(3) When recommending the detailed annual conditions for each candidate's particular course of advanced study and research the supervisor and head of department must indicate whether they are satisfied that the proposed supervision arrangements will be satisfactory.

Progress

9. (1) At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and head of department concerned and any Departmental or Faculty Postgraduate Review Committee.

(2) On the basis of evidence provided, the head of department shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of department considers appropriate.

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

The thesis

10. (1) On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of the work undertaken, which shall be a substantially original contribution to the subject concerned. The candidate shall state, generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals obtained, the extent to which the work of others has been made use of, and the portion of the work the candidate claims as original.

(2) A candidate may also submit in support of the candidature any publication of which the candidate is the sole or joint author. In such a case the candidate must produce evidence to identify satisfactorily the sections of the work for which the candidate is responsible.

(3) Except where the candidature has been governed by an approved cotutelle agreement, a candidate may not present as the thesis any work which has been presented for a degree or diploma at this or another university, but the candidate will not be precluded from incorporating such in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been so incorporated.

(4) A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by resolution of the Academic Board and four copies of a summary of about 300 words in length.

(5) The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.

***Form of the** thesis*

11. Four copies of the thesis shall be submitted for examination for the degree of Doctor of Philosophy and shall normally be submitted in one of the forms set out below in sections 1 and 2.

(1) The four copies may be bound in either a permanent or temporary form as set out in subsections (a) and (b).

(a) A thesis submitted in permanent binding shall be on international standard A4 size paper sewn and bound in boards covered with bookcloth or buckram or other binding fabric. The title of the thesis, the candidate's initials and surname, the title of the degree, the year of submission and the name of the University of Sydney

should appear in lettering on the front cover or on the title page. The lettering on the spine, reading from top to bottom, should conform as far as possible to the above except that the name of the University of Sydney may be omitted and the thesis title abbreviated. Supporting material should be bound in the back of the thesis as an appendix or in a separate set of covers.

(b) A thesis submitted in a temporary binding should be strong enough to withstand ordinary handling and postage. The preferred form of temporary binding is the 'perfect binding' system + ring-back or spiral binding is not acceptable. A thesis submitted in temporary form shall have fixed to the cover a label clearly identifying the name of the candidate, the title of the thesis and the year of submission. The Xerox Demand Binding system is acceptable for both temporary and permanent purposes.

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

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

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

(3) Procedures for electronic submission of theses:
Provision for electronic submission of theses for the purpose of examination may occur where both the candidate wishes to submit in this form and examiners are prepared to examine in this way.
Candidates wishing to submit electronically are required to provide earlier advice of their intent to submit so that arrangements may be made with prospective examiners. The usual examination process will be followed when a thesis is submitted electronically, except as set out below.

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

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

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

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

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

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

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

Examination

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

Application and enrolment procedure

As for Master's degree by research.

Please refer to the summary of graduate courses for course codes and unit codes.

The regulations governing the award of Doctor of Philosophy degree are printed in the Postgraduate Studies Handbook available from Student Administration and is also available on the web at www.usyd.edu.au/su/planning/policy/.

Master by research

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

Applications

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

Enrolment

1. The Faculty may either:

a) Permit an applicant to enrol as a Master's degree by research candidate in one of the following Master of Applied Science areas:
- Australian Stuttering Research Centre
- Behavioural Science
- Biomedical Sciences
- Communication Sciences and Disorders
- Education
- Exercise and Sport Science
- Gerontology
- Health Information Management
- Indigenous Community Health
- Medical Radiation Sciences
- National Voice Centre
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Rehabilitation Counselling
- Rehabilitation Research Centre;

Or, Master of Communication Disorders

b) Permit an applicant to enrol as a Master's qualifying student for the purpose of preparing for candidature in any of the above Master's degree courses. On successful completion of the Qualifying Program, a prospective Master's degree

student is required to apply for admission to the Master's degree program.

2. An applicant enrolled as a Master's degree candidate or as a qualifying student will not be permitted to undertake concurrently other graduate studies in the University, or elsewhere, except with the approval of the Faculty.
3. An applicant will not be permitted to enrol as qualifying student or degree candidate unless the head of school/ centre has certified that the applicant is considered suited to undertake the program and that the current research interests of members of Faculty and the availability of resources for the proposed research have been discussed with the applicant.
4. The Faculty may permit an applicant to enrol as a Master's degree candidate if the applicant has:

   a) Qualified for admission in terms of the admission requirements (see Section on Admission Requirements under each academic unit),

   OR

   b) Been enrolled as a Master of Applied Science/Health Science Qualifying Student in the Faculty and has subsequently carried out such work, passed such examinations and reached such standards as prescribed by the Faculty.

   AND

   c) Satisfied the Faculty that the applicant can devote sufficient time to advanced, study and research.

   AND

   d) An applicant may be required to submit additional information to satisfy Head of school/centre.

   See Chapter 3 for additional administrative information.

Course requirements

1. General

a) A qualifying student shall be eligible for consideration for admission to a Master's degree program on completion of a program approved by the Faculty at a level of performance prescribed by the Faculty.

b) A candidate shall be eligible for admission to the degree of Master of Applied Science if the candidate:

i) undertakes the prescribed course of study for the degree, and

ii) completes the prescribed program of the research thesis which involves original investigation or review, and

iii) submits and has accepted a thesis prepared under the supervision of an academic supervisor appointed by the Faculty.

2. Minimum Time

a) A qualifying student shall not be eligible for consideration for enrolment as a Master's degree candidate until a period of at least one semester has elapsed from initial enrolment.

b) A candidate shall not normally be eligible for admission to the degree:

i) in the case of a full-time student, until a period of at least four semesters has elapsed from time of enrolment as a Master's degree candidate, OR

ii) in the case of a part-time student, until a period of at least six semesters has elapsed from the time of enrolment as a Master's degree candidate.

3. Maximum Time

a) A qualifying student shall complete the program within two years.

b) A candidate shall present for examination:

i) in the case of a full-time student, not later than six semesters from the date of enrolment as a Master's degree candidate, OR

ii) in the case of a part-time student, not later than ten semesters from the date of enrolment as a Master's degree candidate, unless special permission for an extension of time be granted by the Faculty.

4. Discontinuation of Enrolment

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

5. Fieldwork and Supervision

a) the work other than field work should be carried out in the school/centre and such other areas as appropriate or under such conditions as the Faculty may determine.

b) the Faculty shall appoint a supervisor from the Academic staff of the Faculty/University.

c) where the Faculty considers it appropriate, it may appoint an academic associate or co-supervisors. In the case of part-time students, the Faculty may appoint associate or co-supervisors in the student's region or workplace.

6. Progress Reports

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

7. Research Subject

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

8. Advisory Committee

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

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

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

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

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

Research thesis

1. On completion of studies, a Master's degree candidate will submit a thesis which complies with the following requirements:

   a) The greater proportion of the work described must have been completed subsequent to initial enrolment, and

   b) It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and

c) It must be written in English or in a language approved by the Faculty and reach a satisfactory standard of literary presentation.

2. The thesis shall consist of the candidate's own account of his/her work. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied with the candidate's part in the joint work.
3. Every candidate shall submit with the thesis a short abstract of the thesis comprising of not more than 300 words.
4. A candidate may not submit as the main content of the thesis any work or material which has been previously submitted for a degree or other similar award, but shall not be precluded from incorporating such in the thesis, provided that he/she indicates generally in the preface and specifically in the notes of the work, material which has been so incorporated.
5. The candidate shall give in writing two months' notice of the intention to submit the thesis.
6. Two copies of the thesis shall be prepared by the candidate.
   a) The thesis shall be submitted to the Head, Student Administration (Cumberland) with a certificate signed by the supervisor(s) certifying that the form of presentation in the candidate's thesis is satisfactory.
   b) If the head of school/centre declines to accept the thesis, the supervisor may appeal in writing to the Graduate Studies Committee.
   c) If the supervisor or supervisor(s) decline(s) to certify the thesis is ready for examination and the head of school/ centre declines to accept the thesis, a candidate may appeal to the Graduate Studies Committee.
7. The following guidelines shall be followed in the preparation of the thesis:
   a) A thesis should be typed on one side of the paper only with double spacing and medium-weight A4 paper. In exceptional circumstances and with the approval of the head of school/centre other forms of presentation may be permitted.
   b) Margins should not be less than 3.5 cm on the left-hand side, 1.5 cm on the right-hand side and 2 cm at the top and bottom to allow for binding and trimming.
   c) A thesis should incorporate in the following order:
      i) a title page giving the title of the thesis in full, the full name and academic qualifications of the candidate, the name of the organisation, institute or laboratory in which the research was carried out (if applicable), the name of the school/centre of the tertiary institution associated with the work and the date when submitted for the degree;
      ii) a table of contents;
      iii) an abstract of approximately 300 words;
      iv) a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution. The candidate shall also indicate in the thesis the sources of information and the extent to which the candidate has involved the work of others.
      v) the supervisor's certificate, which is required to fulfil requirement 7 a, shall be attached to the first page of the thesis.
   d) Sheets shall be numbered consecutively.
   e) Diagrams and figures:
   The following are general suggestions for normal practice but they may be varied in special cases with the approval of the head of school/centre:
      i) diagrams and figures, etc, should preferably be drawn or photographed on medium weight A4 (rather than being affixed to A4 paper) and bound in the appropriate place in the text;
      ii) all figures should form a right-hand page with the legend at either the bottom or, if necessary, on the page facing the figures;
      iii) tables should be inserted in the appropriate place in the text, except that lengthy or bulky tables should appear as an appendix;
      iv) diagrams, maps, tables, etc, exceeding A4 size, should be folded so as to read as a right-hand page when open.
8. Two copies of the thesis shall be distributed after examination as follows:
   1st copy - the school/centre
   2nd copy - Library (this copy of the thesis must be on 'archival' paper).
   a) The copy of the thesis deposited with the Library will be available for consultation, loan, or copying at the discretion of the Senior Librarian, unless the Faculty on the application of the candidate determines that it shall not be available until after the expiry of a stated period, which shall not normally exceed two years.
   b) The Senior Librarian shall require each user and recipient of a copy of a thesis to undertake in writing to respect the author's rights under the law relating to copyright.
   c) A candidate for a higher degree may, when lodging a thesis, state that the thesis contains restricted or confidential information which the candidate does not desire to be disclosed freely and which may be released to other persons only on the authorisation of the Head, Student Administration (Cumberland), after consultation with the head of school/centre, but otherwise by lodging a thesis, a candidate consents to its release under Rule 8 (a).
   d) Where the thesis contains materials which the candidate considers should have restricted distribution, the supervisor, the head of school/centre and the examiners shall be informed which parts are classified. If further precautions are required, for example, more secure transmission than registered post, costs are to be borne by the candidate.
   e) Where a candidate states that a thesis contains confidential information which the candidate does not desire to be disclosed freely, the candidate may to the extent that is possible, place the information in an Appendix to the thesis.
   f) The Senior Librarian shall not disclose to any persons the Appendix to a thesis where the candidate states that the Appendix contains restricted or confidential information, unless the Head, Student Administration (Cumberland), after consultation with the head of school/centre, has authorised such disclosure.
   g) The candidate may submit as supporting documents any work he/she has published, only if it bears on the subject of the thesis.

Examination of thesis

1. The Faculty shall appoint two examiners, at least one of whom shall not be a member of the academic staff of the University. At least one examiner shall be selected from within the University. The student's supervisor(s) shall not be an examiner.
2. All examiners shall be furnished with a copy of the course description and course requirements, and be required to award marks/grades of Fail, Pass, Credit, Distinction and High Distinction according to the criteria determined by the Faculty, which is available from Student Administration (Cumberland).
3. The candidate may be required to attend the College or such other place as the Faculty shall determine for an oral examination of his/her thesis.
4. The report of examiners shall be forwarded to the head of school/centre for recommendation to Graduate Studies Committee, to award one of the above grades as a thesis final result.
   Note: However, if there is any disagreement among the examiners, the head, shall consult the supervisor and the annual progress report before making a recommendation.
5. Following a resolution regarding the thesis by the Graduate Studies Committee, the examiners' reports, anonymously, may be released to the candidate by the relevant head of school/centre.

Master by coursework

Master by coursework with 48 credit points
The degree of Master by coursework may be awarded in the grade of Pass degree (48 credit points) or Honours (60 credit points).
Master by coursework with 72 credit points
The degree of Master by coursework may be awarded in the grade of Pass degree or Honours (72 credit points). The criteria for the award of Honours will be calculated as follows:
i) The Faculty will only consider the units of study from the final stage of Master Level.
ii) Weighted Average Mark (WAM) will be calculated to derive a ranking list.
iii) A WAM of 80 and above will be considered eligible for the award of Honours.

Singapore courses

The chapter provides detailed course information for the Master of Health Science (Management) offered in Singapore. The off-shore (Singapore-based) program is conducted by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. Graduates from the program will graduate with a University of Sydney award. The ongoing responsibility for managing the course lies with the Faculty of Health Sciences. In particular the Dean's Office coordinate interactions with the Singapore Institute of Management, and the Singapore Ministry of Health. The role of the Singapore Institute of Management is to provide a vehicle for implementing the course.

Master of Health Science (Management)

Off-shore (Singapore-based)

The Faculty of Health Sciences offers the Master of Health Science (Management) to students in the health sector of Singapore. The program is designed to develop the health services management knowledge and skill of students.

Admission requirements

i) A Bachelor degree in health sciences from a recognised tertiary institution; and
ii) A minimum of three years experience in the health services of a kind acceptable to the Dean of the Faculty of Health Sciences; or
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 17.2.

Table 17.2: Master of Health Science (Management)

Course code Mode of offer
2013 Pass course; two years (Singapore-based)
Credit points: 48

Unit code	(old code)	Unit name	Sem 1	Sem 2
Part-time mode				
Year 1				
SING5001	(20501)	Organisational and Managerial Behaviour	**6**	**-**
SING5002	(20502)	Health Economics	**6**	**-**
SING5003	(20503)	Health Service Leadership and Change	**-**	**6**
SING5004	(20504)	Accounting and Financial Management for Health Service Managers	**-**	**6**
		Stage total (24 credit points for Year 1)	**12**	**12**
Year 2				
SING5005	(20505)	Health Service Marketing	**6**	**-**
SING5006	(20506)	Strategic Management and Planning	**6**	**-**
SING5007	(20507)	Health Sector Human Resource Management and Industrial Relations	**-**	**6**
SING5008	(20508)	Information and Decision Analysis	**-**	**6**
		Stage total (24 credit points for Year 2)	**12**	**12**

Master of Health Science (Management) Honours

A candidate may be invited to enter the master degree award with honours. Candidates with a 65 percent pass or better in all units of study and a 75 percent pass or better in at least two units of study may apply to complete the additional honours requirement of a dissertation.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 24 credit points and will normally be completed within two semesters.

Course outline

The course outline for the Master of Health Science (Management) Honours is presented in Table 17.3.

Table 17.3: Master of Health Science (Management) Honours

Course code Mode of offer
2014 Part-time; three years
Credit points: 72

Unit code	(old code)	Unit name	Sem 1	Sem 2
Years 1 and 2 as per Pass course				
Year 3 Honours				
SING5012	(20510)	Dissertation	**12**	**12**
		Stage total (24 credit points for Year 3)	**12**	**12**

Units of study

SING 5001 Organisational and Managerial Behaviour

Old code 20501. 6 credit points

Historical development of management and organisations; perspectives on organisations; individual and group behaviour; theories of organisation; organisational politics, culture, structure; organisational communication.

SING 5002 Health Economics

Old code 20502. 6 credit points

Introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. Introduction to microeconomics, health care markets, market failure, government intervention and the values that underly decision-making.

SING 5003 Health Service Leadership and Change

Old code 20503. 6 credit points

Historical and current theories of leadership; leader-follower behaviour; the language, rhetoric and practice of leaders; the imperative for change; models of change; change management strategies and tactics; continuous quality improvement; application to the Singapore environment.

SING 5004 Accounting and Financial Management for Health Service Managers

Old code 20504. 6 credit points

Accounting and information needs; accounting principles; financial statements; inventory, asset and financial reporting and management; management accounting; cost, budgeting and expenditure analysis; funding options and models in health care; investments; financing; dividends; risk management.

SING 5005 Health Service Marketing

Old code 20505. 6 credit points

The marketing concept; theory and practice; services marketing and its relationship to health care; analysing market needs in health care; marketing strategy, planning and development; marketing and competitor analysis; competitor behaviour; marketing program design; ethical marketing for health care; case studies in health services marketing; marketing program evaluation.

SING 5006 Strategic Management and Planning

Old code 20506. 6 credit points

Environmental scanning; scenario planning; strategic behaviour; managing strategically; expressing strategic intent; competitive strategy; ideas, tools and techniques of the strategist; the learning organisation; strategic planning; evaluation; relationship to leadership.

SING 5007 Health Sector Human Resource Management and Industrial Relations

Old code 20507. 6 credit points

HRM and IR theories; historical context; skills; the IR system in Singapore; role and application of various HRM and IR techniques; internal and external labour markets; motivation and productivity; OH&S; EEO; globalisation of HRM and IR.

SING 5008 Information and Decision Analysis

Old code 20508. 6 credit points

Computing and information analysis; decision analysis and control; Information systems development, management; decision support systems and EIS; health information management - sources, limitations, issues, principles.

SING 5012 Dissertation

Old code 20509B. 24 credit points

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 18

Clinical education

The term clinical education refers to the supervised practice of professional skills and it is especially appropriate to courses which are largely clinically based. Professions which offer services in a more social or a non-clinical context have adopted terms such as professional experience and fieldwork to describe supervised practice.

Clinical education is an integral part of the overall learning experience for students in all undergraduate and some graduate courses offered in the Faculty of Health Sciences. In undergraduate courses, students can expect to spend between 25-40% of their total course hours in clinical education. The purpose of clinical education is to provide students with opportunities to integrate knowledge and skills at progressively higher levels of performance and responsibility during the course. Under the supervision of qualified practitioners, students seek to apply theories and scientific findings, learned in their academic study, and develop their skills through interaction with clients and practitioners. Clinical education also provides students with situations in which to practise interpersonal skills and develop characteristics essential to productive working relationships. It also provides an opportunity for students to develop clinical reasoning skills, management skills and as well to master techniques that develop competence at the level of a beginning practitioner.

Clinical education is provided in a variety of settings reflecting the current trends for the profession concerned. The facilities include hospitals, government agencies, schools, community health centres, private health agencies, private practice, and on-campus clinics. The settings may be located in metropolitan and rural areas of New South Wales and, occasionally, interstate and overseas.

The timing and structure of clinical education will vary according to School preferences. Patterns include day-release programs during the semester, clinical simulation in the classroom, and periodic block placements.

Students should be aware of the patterns of clinical education for their course as the timing and structure of clinical education affect the exact length of courses and vacation time.

Arrangement of clinical education

Clinical education is arranged by negotiation between staff of the respective School, acting as clinical academics, and the directors of the individual clinical settings. The School negotiates the standard, type of experience, and number of student places to be offered. In most cases, formal agreements are signed between the University and the placement facility. In some instances, the arrangements are informal, reflecting the mutual dependency of health and education in providing academically and clinically competent health professionals to meet the challenges confronting them in delivering quality health services in a complex society.

Assessment of students

Students are expected to take an active responsibility for their own education by identifying their own learning needs, assisting the supervisor in planning and implementing the learning experiences, being familiar with and adhering to procedures and rules laid down by the University and the affiliating centre, and in evaluating their own performance. The clinical supervisor performs the role of teacher, facilitator, coordinator and professional role model. Supervision may be conducted by School staff, or by practitioners expert in their professional area. The nature of the assessment varies across Schools but usually includes a student evaluation by both the supervisor and the student, the satisfactory completion of a specified number of hours, as well as a variety of assignments including case studies, essays, verbal presentations, and practical examinations. The clinical education subject may be assessed on a graded scale or on a Pass/Fail basis.

Rules applying to clinical education

In all clinical situations, the welfare of the client is paramount The client's dignity and rights to privacy and confidentiality must be respected at all times. Students who do not comply with the rules governing ethical practice may be removed from the clinical placement.

During clinical affiliations, the student is expected to conform with the normal professional conduct required by the host institution. In some institutions, the wearing of uniforms and identification badges is demanded, while in other facilities a less formal attire is acceptable. Students should consult the section of the Handbook, relating to clinical education units of study for their particular course, for information relating to uniforms and name badges.

There are a number of rules and conditions applying to students regarding the amount of clinical education, the timing of it, the selection of sites, and types of experiences required. These rules have implications for progression in the course and acceptance into the relevant profession after graduation.

Students should consult the relevant Handbooks of their Schools for such rules and details of the Clinical Education/ Fieldwork/ Professional Experience Program.

Students should note that the Faculty has resolved as follows:

'Candidates for any (degree, diploma or certificate) whose conduct or work towards their award is unsatisfactory may, on the recommendation of the Head of School concerned, be refused permission by the Faculty to undertake or continue the Clinical Educational Fieldwork/Professional Experience) component of their award.'

Policy on timing of clinical placements for non-standard students

Definitions

Non-standard students being defined as follows:

a) Students undertaking *Deferred Assessments* - students did not attend the entire units of study (UOS) because of extenuating circumstances and final assessment has been deferred because of misadventure or illness.
b) Students whose assessment is *Incomplete*- used for units commenced but not completed - eg, days may need to be made up
c) Students who are *repeating the unit because they have previously failed* - students have completed the unit of study but have not met the requirements to a pass level and have achieved a fail.

Policy (as passed at Faculty August 2000)

All students normally undertake clinical education placements according to the schedule published in the academic/clinical calendar of the Faculty handbook. All clinical placements are organised and approved by the clinical education team of the relevant School.

1. Placements for Incomplete and Deferred Assessments will be organised to be completed at the earliest opportunity and subject to availability.
2. Failure in any unit of study (academic or clinical) may affect the student's progression through the undergraduate program and potentially delay graduation.
3. Enrolment or re-enrolment in clinical education units of study for non-standard students is dependent on meeting all co- and prerequisites as well as avoiding a timetable clash with academic units of study and the scheduled clinical placement. Refer to Faculty Policy 1995 effective from 1.1.95 - Procedures to be Followed in Event of Refusing A Student Permission to Undertake or Continue Clinical Placement/Fieldwork/Professional Experience in the Event

of Unsatisfactory Conduct, Part 2 Guidelines for a Student to be Refused Permission to Undertake Clinical Education/ Fieldwork/Professional Experience Placement.

4. Students who have failed a clinical unit may be permitted to re-enrol in the unit at non-standard times, subject to availability of placements and at the discretion of the Clinical Academic and after all students with Deferred Assessments and Incompletes have been placed.

[Also refer to Rules Applying to Clinical Education above]

Clinical practice dates

Please refer to clinical practice dates listed under each course.

Insurance coverage for students on fieldwork

The University has in place a public liability and professional indemnity policy which extends to protect students from claims made against them which arise out of any negligent act, error or omission on the part of the student during such fieldwork.

Other relevant policies

The University has a personal accident policy covering postgraduate students against accidental bodily injury, providing death and capital benefits, as well as a weekly benefit whilst disabled. The Students' Representative Council of the University maintains a similar policy for undergraduates. If you require further information, please contact the Risk Management Office on (02) 9351 4127 or (02) 9351 2782.

Information on infectious diseases for students and clinical teachers

Infectious diseases are of concern to all those working in clinical settings. Whilst an understanding of the transmission of diseases such as AIDS, hepatitis and tuberculosis is particularly important, all students and clinical teachers must acquaint themselves with information about the potential dangers of all communicable diseases likely to be experienced in Australia. They should be aware of sources of infectious micro-organisms, their modes of transmission and the ways of reducing the risk of infection to self, patients and others.

Detailed information on this subject is contained in the documents such as *Infectious Diseases and You* published by the Faculty. A copy may be obtained from the Student Administration Services Division (Cumberland).

Further information about infectious diseases is available, in confidence, from the Faculty adviser, Ms Neryla Jolly, School of Applied Vision Sciences, (02) 9351 9251.

Counselling support for students on clinical placements

Students who feel that they have any personal or family issues which may impact negatively on their performance on clinical placements should contact either their clinical academic for referral to the counsellor or may approach the counsellor at Cumberland directly. The counselling service at Cumberland is both free and confidential and students are encouraged to ask for help as early as possible before their placements begin. The Counsellor can also provide support for students already on placements who find they are having problems with after hours appointments or by phone. Typical problems for students on clinic include balancing work and family, stress, interpersonal relationships, supervisor - student relations, anxiety about the workplace etc. The Counsellor is located at Room A005 in A Block and appointments can be made by using the booking sheet there or by calling the Counsellor on (02) 9351 9473.

Criminal records check

All health care workers, including students who undertake clinical professional training of fieldwork in the NSW health care system, are required to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities. Depending on the nature of the offence for which a conviction has been recorded, the NSW Department of Health has the right not to accept a health care student or worker for placement in the NSW health care system.

All new students in the Faculty of Health Sciences will receive, as part of their enrolment package, a form from the NSW Department of Health consenting to a criminal records check. Students must complete, sign and return the enclosed form to Student Administration, Cumberland as soon as possible after receipt. Student Administration will forward forms on to the NSW Department of Health for processing. Failure to return your form could mean non-acceptance by the NSW Department of Health for a placement to undertake clinical experience. *If you do not receive confirmation of criminal clearance within six weeks of submitting the form, you are strongly advised to follow up with the NSW Department of Health to check if your form has been processed.* Non-acceptance of a student under this policy could affect that student's academic progress. Accordingly, you are urged to contact the Faculty adviser if you have any concerns or if you wish to obtain a full copy of the NSW Department of Health's policy. Enquiries concerning this policy can also be directed to the Faculty adviser - Ms Neryla Jolly, phone (02) 9351 9251.

The University is not involved in this checking process and it will not be given any information about students on whom an adverse criminal record report is made. This information will be retained by the NSW Department of Health, which is legally entitled to hold such records, and the NSW Department of Health will correspond direcdy with adversely affected students. The University, in consultation with the Students Representative Council (SRC), has established protocols to enable students affected by the policy to receive appropriate advice and support and, if necessary, to enable them to transfer their enrolment to another course. These protocols were implemented in 1998.

School of Applied Vision Sciences

The School of Applied Vision Sciences acknowledges the following for their support in the School's clinical education program.

Public hospitals

Metropolitan
Bankstown
Blacktown
Campbelltown
Concord Repatriation General
Coorabel
Liverpool
Prince of Wales, Randwick
Royal North Shore Public Hospital
Ryde Rehabilitation &Geriatric Service
St George, Kogarah
St Vincents, Darlinghurst
Sydney Eye, Sydney
The New Children's Hospital, Westmead
Westmead, Centre
Western Sydney Development Disability Service, Marsden Campus

Country & interstate
Repatriation & General, Greenslopes Brisbane
Royal Brisbane

Community agencies and private organisations

Alice Betteridge School
Bondi Junction Laser Sight Centre
Campbelltown Community Health Centre
Central Sydney Area Health & Service
Child, Adolescent & Family Health Services, Glebe
Eye Institute, Chatswood
Ingleburn Community Health Centre
Laser Sight Centre, Parramatta

Penrith Community Health Centre
Royal Blind Society for NSW - Enfield, Newcastle and Canberra
Royal Far West Children's Health Scheme, Manly
Sebban Eye Centre, Warringah
Wyong Eye Surgery

Private practitioners

Private practices
S Brunner
J Cumines
Private sponsored practices
M Awad, Y Makdissi - Dr S Franks
Drs C Baker, W Barnett & Moore - R Lang
Dr B J Barnes
Dr C Brown
DrKChatheld-J Ellery
Dr Cohen - J Cumines
Prof M Coronea - T Liakos
Dr J D Downie
Dr P S Duke
Dr M P Flaherty
Dr K Frumar - D Ferguson
Dr I Goldberg - T Herrara
Dr S Hing - R Petersen
Dr G S Horowitz
Dr A Hunyor — A Pryke
Dr III Kennedy
DrVKotur
Dr S D Leppard
Drs M Manku, C Joneshart, W Porter & C Challinor - P Britz
Dr F Martin - S Sutton
Dr P Martin - M Tan
Dr C N Moshegov
Dr W Muntz
Dr R Rawson - M Pourzimal
DrDSharota-DDinh
Dr P Stewart-L Tat
Dr S Wine

School of Behavioural and Community Health Sciences

The School of Behavioural and Community Health Science wishes to acknowledge the following organisations for their contribution to the field experience in the Bachelor's Degree, Graduate Diploma and Master's Degree courses in Rehabilitation Counselling.

Public hospitals and community health services

Metropolitan
Blacktown Mental Health Team
Botany Community Health Centre, Mental Health Team
Chatswood Mental Health Outreach Team
Glebe Community Health Centre
Herbert St Drug and Alcohol Services
Merrylands Community Health Centre
Penrith Living Skills Centre
Royal North Shore Hospital Pain Clinic
Royal North Shore Sexual Health Clinic
Ryde Hospital and Community Health Services
Sydney Hospital Sexual Health Clinic
Westmead Hospital Brain Injury Unit
Country
Cooma Community Health Centre, Mental Health Team
Southwest Brain Injury Rehabilitation Service, Albury
Tamworth Base Hospital

Private hospitals

St Edmonds Private Hospital
'Carrawarra' Brain Injury Unit, St John of God Hospital, Goulburn

Commonwealth government departments and agencies

Commonwealth Rehabilitation Service
Metropolitan
Ashfield; Bankstown; Blacktown; Darlinghurst; Dee Why; Epping; Granville South; Granville Vocational Unit; Hurstville; Liverpool; Maroubra; Miranda; Mt Druitt; Parramatta; Rockdale
Country & interstate
Albury; Annidale; Dubbo; Gosford; Lismore; Maroochydore, Qld; Moree; Newcastle; Port Macquarie; Queanbeyan; Southport, Qld; Tamworth; Toowong, Qld; Wollongong; Wyong

Community agencies and private organisations

Metropolitan
Active Employment Parramatta
Amputee Association, Greenacre
ANCORW, Auburn
ARAFMI
Australia Post
Bosnian Information and Welfare Centre, Lidcombe
Burwood City Council
CARE Nautilus Project, Croydon
Combrook Pty Ltd
CMS Rehabilitation, Bankstown
Eastern Suburbs Learning Centre
Epilepsy Association
GROW
ICLA, Bondi
Life After Prison Inc, North Parramatta
Mission Employment Mt Druitt
Multiple Sclerosis Society, Lidcombe
Natcover, Sydney City
NSW Ambulance Service
NSW Police Service
Occupational Health Professionals, Wetherill Park
Ozanam
Re-Employ, Liverpool
STARTTS, Fairfield
State Transit Authority
Sydney Employment Development Service
Syd-West Personnel, Parramatta
Vocational Capacity Centre, North Sydney
Wesley Life Skills: Bankstown, Croydon Park, Granville, Petersham
Westworks, Penrith
Women at Work
Work Directions Parramatta
Work Directions Sydney
Workers' Health Centre, Granville
Country & interstate
Blue Mountains Disability Services, Springwood
CMS Rehabilitation, Newcastle
Headway Tasmania
Joint Coal Board, Singleton
Lotus Glen Correctional Centre, Mareeba Qld
Mission Employment Katoomba
Murrumbidgee & District Occupational Health & Rehabilitation Service, Gundagai
PEP Gosford
PEP Wyong
Royal Blind Society, Orange
Smart Rehabilitation, Wollongong
Success at Work, Hobart TAS
Workcover Bundaberg, Qld
Workcover Gympie, Qld
Workways, Canberra

School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to the clinical education and fieldwork programs December 1999 - December 2000 of the following agencies.

Public Hospitals

Metropolitan
Balmain Hospital
Bankstown/Lidcombe Hospital
Blacktown/Mt Druitt Hospital
Braeside Hospital
Camden Hospital
Campbelltown Hospital
Concord Hospital
Hornsby Kuringai Hospital
Lady Davidson Hospital
Liverpool BIU
Liverpool Hospital
Lottie Stewart Hospital
Mt Wilga Private Hospital
Nepean Hospital
New Children's Hospital
Prince Henry Hospital
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital
Royal Ryde Hospital
Ryde Brain Injury Unit
St George Hospital, Kogarah
St Josephs Hospital, Auburn
St Vincent's Hospital
Sydney Children's Hospital
War Memorial Hospital, Waverley

Public Hospitals

Country / interstate
Bathurst Rehabilitation Unit
Dubbo Base Hospital
Hunter BIU Service
Launceston Hospital
Lourdes Hospital, Dubbo
Murwillumbah District Hospital
Orange Base Hospital
Port Kembla Hospital
Shoalhaven District Memorial Hospital
St John's Hospital, Hobart
St Vincent's Hospital, Robina QLD
Tamworth Base Hospital
The Canberra Hospital
Townsville Base Hospital

Overseas
Edenhall Hospital, Scodand
Tallagah Hospital, Dublin
Tan Tock Seng Hospital, Singapore

Community Health

Blacktown Community Health Centre
Burwood Community Health Centre
Central Coast Health Centre
Child Health Development Service, ACT
Dubbo Community Health Centre
Fairfield Health Centre
Ingleburn Community Health Centre
Lower Nth Shore Child & Health Service
Merrylands Community Health Centre
Moree Community Health Centre
Moruya Community Health Centre
Mt Druitt Community Health Centre
Mudgee Community Health Centre
Rockdale Community Health Centre
Royal South Sydney Community Health Centre
Ryde-Hunters Hill Health
Wagga Wagga Community Health Centre

Department of Community Health (DOCS)

Blacktown DOCS
Campbelltown DOCS
Cumberland Prospect DOCS
Fairfield DOCS
Hurstville DOCS

Community Agencies and Private Organisations

Alice Betteridge School, North Rocks
Canterbury City Council
Fairfield City Council
Spastic Centre, Fairfield
The Children's Cochlear Implant Centre

Other Organisations

Regina Coelli Primary School
Shepherd Centre, NSW
Smithton Primary School, TAS
Spastic Centre Rural Outreach Team
St Mary's Star of the Sea Primary School
St Joseph's Primary School
Mater Dei Special School
Broderick / Gillawama Special School

School of Health Information Management

The School of Health Information Management acknowledges the cooperation and support of the following institutions in the School's professional experience program.

Public hospitals

Metropolitan
Balmain
Bankstown
Blacktown District
Blacktown/Mt Druitt Health, Mt Druitt Campus
Campbelltown
Canterbury
Cumberland, Parramatta
The New Children's Hospital, Westmead
Fairfield District
Hawksbury, Windsor
Hornsby Ku-Ring-Gai Hospital & Area Health Service
Liverpool
Manly Hospital & Community Health Services
MonaVale
Nepean Hospital Penrith
Prince of Wales, Randwick
Royal Hospital for Women, Paddington
Royal North Shore, St Leonards
Royal Prince Alfred, Camperdown
Royal Ryde Rehabilitation
Rozelle
Ryde Hospital & Ryde-Hunters Hill Area Health Service
St George, Kogarah
St Vincent's, Darlinghurst
Sutherland Hospital Caringbah
Sydney
Sacred Heart Hospice, Darlinghurst
Westmead
Repatriation General Hospital, Concord
Lady Davidson, Turramura
Sydney Children's, Randwick
St Joseph's, Auburn
St John of God, Burwood
Rachel Forster, Redfern

Country & interstate
Bathurst District
Blue Mountains District

Bowral District Hospital
Central Coast
Coffs Harbour and District Hospital
Dubbo Base
Forbes District
Gosford Hospital
John Hunter Hospital
John James Memorial Hospital
Launceston General, Launceston, Tasmania
Lithgow
Lismore Base
Manning Base, Taree
Orange Base
Parkes
Port Macquarie Base
Royal Darwin
Royal Newcastle
Wollongong
Camden
Cooma District
Royal Women's, Brisbane
The Canberra Hospital
Princess Alexandra Hospital, Brisbane
Overseas
Hospital Authority, Hong Kong
North District Hospital, Hong Kong
Prince of Wales Hospital, Hong Kong
Queen Elizabeth Hospital, Hong Kong
Queen Mary Hospital, Hong Kong
Royal Cornwall Hospital, United Kingdom
Singapore General Hospital
UCLA Medical Center, Los Angeles

Private hospitals and nursing homes

Kareena Private
Holroyd Private
The Hills Private
St George Private
St Vincent's Private, Darlinghurst
Sydney Adventist, Wahroonga
The Poplars, Epping
Newcastle Mater, Waratah
Hurstville Community Cooperative, Hurstville
Strathfield Private
St Margaret's Private, Darlinghurst
The Scottish Hospital, Paddington

Government departments and agencies

Central Cancer Registry
Central Coast Area Health Service, Gosford
Central Sydney Health Service, Camperdown
Central West Regional Office, Peak Hill
Cumberland Developmental Disability Service
Department of Community & Health Services, Hobart
Department of Health (NSW), Health Statistics Unit
Hunter Area Health Service, Newcastle
Long Bay Prison Complex
National Centre for Classification in Health
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana & Far West Regional Office, Dubbo
South East Regional Office, Goulburn
South West Regional Office, Wagga

Other organisations

3M Health Care Group
Commonwealth Bank Health Care of Australia
Health Information Management Association of Australia, North Ryde
NHMRC Clinical Trials Centre, The University of Sydney
Prime Care Pty Ltd
Rolls Manufacturing, Bondi
Startts-Fairfield
The Simpson Centre for Health Service Innovation
Veterinary Teaching Hospital, The University of Sydney

School of Medical Radiation Sciences

The School of Medical Radiation Sciences would like to recognise the following clinical centres for their invaluable assistance in the clinical education program.

Diagnostic Radiography

ACT X-ray Services, Belconnen
ACT X-ray Services, Erindale
ACT X-ray Services, Queanbeyan
Alice Springs Hospital
Ashfield Medical Imaging
Ashfield Private Hospital
Auburn Diagnostic Centre
Auburn District Hospital
Bankstown District Hospital
Bankstown Imaging Centre
Bathurst Base Hospital
Bega District Hospital
Bega Valley Radiology
Belmont Hospital
Blacktown Diagnostic Centre
Blacktown District Hospital
Blacktown X Ray
Blue Mountains District Hospital
Border Medical Imaging
Bourke Hospital
Bowral Hospital
Brindabella Imaging
Broken Hill Hospital
Bulli District Hospital
Burnie Hospital
Calvary Hospital
Campbelltown Hospital
Campsie Imaging
Canterbury District Hospital
Canterbury Medical Imaging
Caringbah CT Scanning
Castle Hill Radiology Centre
Casdereagh Radiology, Mt Druitt
Casdereagh Radiology, Penrith
Casdereagh Radiology, Tamworth
Casdereagh Radiology, Windsor
Central Coast Radiology & Nuclear Medicine
Central Queensland Medical Imaging
Cessnock District Hospital
City Medical Imaging
Clarence Valley Imaging
Coffs Harbour District Hospital
Coffs Harbour Radiology
Concord Repatriation General Hospital
Cronulla X-ray
Dee Why X-ray and CT
Dr K Neale, Bathurst
Dr Whistler & Lee, Nowra Community Hospital
Dubbo Base Hospital
Eastwood X-ray Centre
Eldridge Radiology
Fairfield District Hospital
Fairfield X-ray
Frenchs Forest X-ray
Gosford District Hospital
Goulburn District Hospital
Grafton Base Hospital
Hastings District Hospital
Hawkesbury Hospital
Hornsby & Ku-ring-gai Hospital
Hurstville X-Ray & Ultrasound
niawarra Radiology
John Flynn Hospital
John Hunter Hospital
John James Hospital
Kalgoorlie Regional Hospital

Kempsey Hospital
Launceston General Hospital
Lismore Base Hospital
Lithgow District Hospital
Liverpool Hospital
Macarthur Diagnostic Imaging
Manly District Hospital
Manning Base Hospital
Maroubra Medical Imaging
Maryborough Base Hospital
Maryborough Base Hospital
Mater Radiology & Vascular Lab
Merrylands X-ray
Miranda Imaging
Mona Vale Hospital
Moree Hospital
Mt Druitt Hospital
National Capital Diagnostic Imaging, Deakin
National Capital Diagnostic Imaging, Tuggeranong
National Capital Diagnostic Imaging, Woden
Nepean Hospital
North Shore Medical Centre X-ray
North West Imaging, Hornsby
North West Radiology, Eastwood
Orana Radiology
Orange Base Hospital
Parramatta Imaging
Prince Alfred Medical Centre
Prince Charles Hospital
Prince of Wales Hospital and Prince of Wales Childrens Hospital
Queenbeyan District Hospital
Queensland X-ray Services Parkhaven Medical Centre
Rayscan Imaging. Liverpool
Rayscan, Fairfield
Redcliffe Hospital
Revesby X Ray Centre
Riverstone X Ray Centre
Riverwood X Ray Centre
Rockhampton Hospital
Royal Adelaide Hospital
Royal Alexandra Hospital for Children
Royal North Shore Hospital
Royal Price Alfred Medical Centre
Royal Prince Alfred Hospital
Ryde Hospital
Shellharbour District Hospital
South Coast X-ray
Soudi West Imaging, Cabramatta
St George Hospital
St George Private Medical Centre
St Vincent's Hospital
St Vincents Launceston
St Vincent's Private Hospital
Strathfield Imaging Centre
Sutherland Hospital
Sutherland Imaging Centre
Sydney Adventist Hospital
Sydney Hospital
Sydney X-ray, Maroubra
Tamworth Base Hospital
The Canberra Hospital
The Hills Private Hospital
Townsville General Hospital
Ultrascan Auburn
Ultrascan Mt Druitt
Ultrascan, Campbelltown
Ultrascan, Liverpool
Ultrascan, Penrith
Wagga Base Hospital
Wentworthville X-ray and Ultrasound Centre
Westmead Hospital
Wetherill Park X-ray
Wollongong Hospital
X-ray Westmead

Nuclear Medicine

Allamander Private Hospital
Ashley Centre
Auburn Nuclear Medicine
Bankstown Lidcombe Hospital
Brisbane Waters Private Hospital
Burwood Nuclear Medicine
Campsie Nuclear Imaging
Central Coast Nuclear Medicine
Dee Why Nuclear Medicine
Diagnostic Nuclear Medicine RPAH Medical Centre
Dubbo Private Hospital
Guy's Hospital, UK
Holy Spirit Medical Imaging, Brisbane
Hornsby Hospital
Hornsby Kuringai Nuclear Medicine
Hurstville Community Cooperative Hospital
niawanra Nuclear Imaging
Isotope Imaging, WA
John Hunter Hospital, Newcasde
John James Hospital, ACT
Launceston General Hospital, TAS
Liverpool Hospital
Mater Private Hospital
Missenden Medical Centre
Nuclear Medicine and Ultrasound Associates, Penrith, Windsor, Castle Hill, Blacktown, Westmead
Nth Coast Radiology, Lismore
Orange Base Hospital
PET Centre, A7 RPAH
Port Macquarie Medical Imaging Hermitage Building
Prince of Wales Hospital
Queensland X ray Services
Repatriation General Hospital, Concord
Royal North Shore Hospital
Royal Brisbane Hospital
Royal Perth
Royal Prince Alfred Hospital
RPAH Medical Centre
Ryde Medical Centre
Sydney Adventist Hospital
Sir Charles Gardner Hospital, WA
South West Nuclear Medicine
St Andrews War Memorial Hospital, QLD
St George Hospital
St George Nuclear Imaging
St George Private Hospital and Medical Centre
St Vincent's Hospital
Standish Medical Centre, Nowra
Sutherland Nuclear Medicine
The Canberra Hospital
The New Childrens Hospital
Wales Medical Centre, Randwick
Western Nuclear Medicine Group, Fairfield
Westmead Hospital
Wollongong Hospital

Radiation Therapy

Central Coast Radiation Oncology Centre
Ulawarra Cancer Care Centre
Joint Radiation Oncology Centre - Nepean and Westmead
Liverpool Cancer Therapy Centre
Prince of Wales Hospital
Radiation Oncology of Sydney
Royal Hobart Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital
St George Cancer Care Centre
St Vincents Hospital
Sydney Radiotherapy and Oncology Centre

School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences wishes to acknowledge the following agencies for their valuable contribution to the 2000 fieldwork program for its students in the Bachelor of Applied Science (Leisure and Health) and the Bachelor of Applied Science (Occupational Therapy) courses.

Aged Care Assessment Team, Kurri Kurri
Aged Community Service Team
' Aimees' Dementia Day Care Centre - Fairfield
Anglican Retirement Village - Castle Hill
Ashfield Community Health Centre
Auburn Aged Day Care Centre, Auburn
Auburn/Holroyd School Therapy Team - Guildford
Auburn Hospital
Aldersgate House Nuring Homes
Allowah Babies, Dundas
Alwyn Rehabilitation, Strathfield
Alice Betteridge School
Anna Maria Nursing Home, Putney
Armon Nursing Home, Petersham
Balmain Hospital
Banksia House
Bankstown Hospital
Bankstown Community Resource Team
Bankstown Community Health Centre
Bankstown Department of Community Services
Beecroft Nursing Home
Bethany Nuring Home, Eastwood
Bethel Nursing Home, Ashfield
Birdwood Road Day Care Centre, Georges Hall
Blacktown District Hospital
Blacktown City Mental Health Service
Blacktown Community Services Centre
Blacktown/Mt. Druitt Area Health Service
Bossley Park Nursing Home
Botany Community Health Centre
Braeside Hospital
Bridgeway House Living Skills Centre
Brookvale Living Skills Centre
Buckingham House - Surry Hills
Bundara Psychiatric Rehabilitation Service
Calvary Hospital (ACT)
Calvery Hospital - Kogarah
Camden District Hospital
Campbelltown Hospital
Campbelltown Mental Health Service
Canterbury Area Health Service
Canterbury Hospital
Canterbury Intensive Community Support Services
Caringbah Community Health Centre
Canterbury Aged Services, Campsie
Central Sydney Community Drug and Alcohol Service
Centacare Early Intervention Team
Chalmers Road Public School, Strathfield
Chatswood Community Health
Chatswood Community Nursing Home
Chatswood Day Centre
Chesalon Nursing Home, Jannali
Chester Hill Neighbourhood Centre
Child Health and Development Service
Commonwealth Government Departments and Agencies
Commonwealth Rehabilitation Service
Community Services Centres
Concord Hospital
Condell Park Residential Service
Convalescents, Camden
Crisis Assessment and Treatment Team, Newcastle
Croydon Living Skills Centre
Cumberland Hospital
Dalcross Private Hospital - Killara
Department of Community Services
Developmental Disability Service - Mt Druitt
Dorothy Henderson Lodge, Marsfield
Dickson Day Centre, ACT
Dixson Unit Geriatric and Rehabilitation Unit - Ryde
Dubbo Base Hospital
Early Education Program - Sydney City Mission
Eastern Suburbs Private Hospital - Randwick
Eastern Respite and Recreation
Early Intervention Team - Waverley
Edinglassie Retirement Village, Emu Plains
Ellamatta Lodge, Mosman
Endeavour Nursing Home, Springwood
Evesham Clinic, Cremorne
Eversleigh Hospital
Eversleigh Hospital - Palliative Care
Fairfield District Hospital - Rehabilitation Unit
Fairfield Living Skills
Frank Vickery Village, Sylvania
Frank Whiddon Masonic Homes, Glenfield
Garrawarra Centre for Aged Care
Gertrude Aboot Nursing Home, Surry Hills
Gladesville - Macquarie Hospital
Glebe Community Care Centre
Gowrie Village
Governor Phillip Special Hospital - Penrith
Government Departments and Agencies
Graithwaite Nursing Home
Greystanes Children's Home
Greenwich Hospital
Greenhouse Living Skills Centre
Guildford Neighbourhood Centre
Halinda School, Emerton
Hand in Hand, Waitara
Headway Adult Development Program - Bankstown
Hevington House Day Care, Auburn
Holroyd Disabilities Service
Hornsby Ku-Ring-Gai Hospital and Area Health Service
Hunter Aged Care Assessment Team
Independent Living Centre
Ingleburn Area Health
IRS Total Injury Management - North Parramatta
James Milson Nursing Home, Surry Hills
John Hunter Hospital
John Williams Therapy Centre - Wahroonga
Kalparrin, Concord Hospital - Ward 18
Kalinda Living Skills
Karradji - Ryde Community Mental Health - Eastwood
Kilbride Nursing Home, Campbelltown
Killarney Court Hostel
Kindilan Frail Aged & Respite Day Centre
Lady Davidson - North Turramurra
Lakes Rehabilitation Team
Laurel House - Parramatta
Leisure World Nursing Home/Moonby House Nursing Home, Peakhurst
Liverpool Department of Community Services
Liverpool Health Service
Liverpool Hospital
Liverpool Living Skills
Living Skills Centre - Wahroonga
Lottie Stewart Hospital - Dundas
Lower Hunter Community Health Centre
Lower North Shore Supported Housing Services - Castlecrag
Macarthur Home Modifications, Campbelltown
Macarthur Paediatric O.T., Camden
Maclean CHC MacLean Hospital
Macquarie Hospital
Manly Hospital and Community Health Service
Manly-Warringah Developmental Disability Service
Marsden Centre
Marsden Hospital
Marsh Occupational Health
Marrickville District School Therapy Team - Lakemba
Mater Miseracordiae Hospital - Waratah
Mater Dei School - Camden
Metropolitan Rehabilitation Private Hospital - Petersham

Mobile Community Management Team
Mona Vale Hospital and Warringah Area Health Service
Montefiore Jewish Home
Mt Druitt Community Health Service
Mt Druitt Hospital
Mount Wilga - Hornsby
Multiple Sclerosis Society of NSW, Lidcombe
Myrtle Cottage Group
Neringah Hospital — Wahroonga
Nepean Hospital - Penrith
New Ellamatta Lodge - Mosman
Northcott Society
Northaven Retirement Village, Turramurra
Northern Beaches Community Resource Team - St Leonards
NSW Society for Children and Young Adults with Physical Disabilities
NSW Department of Sport, Recreation and Racing
Our Lady of Consolation, Rooty Hill
Parkdale Nursing Home, Waverley
Pecky's Playground, Prospect
Penrith Community Services Centre
Prairewood Community Health Centre - Wetherill Park
Prince Henry Hospital - Little Bay
Prince of Wales Hospital - Randwick
Princess Juliana Lodge
Qualitec Ltd - Granville
Queenscliff Health Centre - Manly
Rachel Foster - Redfern
Rehabilitation Module - Marrickville
Redfem Community Health Centre
Rehabilitation Module, Marrickville
Rehabilitation Resource Team - Chatswood
Resolutions Health Management - Glebe
Restart Consulting - Double Bay
Royal Alexandra Hospital for Children
Royal Blind Society of NSW
Royal North Shore Hospital - St Leonards
Royal N.S.W. Institute of Deaf and Blind
Royal Prince Alfred Hospital - Camperdown
Royal Rehab Centre - Ryde
Rozelle Hospital
RSL Veterans'Village
Rydalmere Centre (Western Sydney Developmental Disability Service)
Ryde Hospital and Ryde-Hunters Hill Area Healm Service
Ryde Rehabilitation Centre
St George (Sacred Heart Hospice)
St George Division of Mental Health
St George Hospital - Kogarah
St George Living Skills
St George School, Rockdale
St Joseph's-Auburn
St Kevins School - Dee Why
St Vincent's Hospital - Darlinghurst
Sans Souci Retirement Hostel
Sacred Hearts Hospice
Sailability Australia
Shalom Hostel and Nursing Home for Aged, Marsfield
Sir Eric Woodward Special School
South Sydney Hospital
Southern Cross Homes, Merrylands
Southcare - Miranda
Southcare Community Rehabilitation Team - Sutherland
Spastic Centre of NSW
Stockton Centre
Strickland Villa, Prince of Wales Hospital
Sutherland Community Rehabilitation Team
Sutherland Hospital
Sutherland Living Skills Centre
Sydney Hospital Hand Unit
Sydney Hospital Occupational Health & Safety
Sylvania Community Health Centre
Sylvania School, Kirrawee
Technical Aid to the Disabled - Ryde
The Autistic Association
The Clubhouse, Balgowlah
The Cottage Family Care Centre - Campbeltown
The Hills Community Health Centre - Casde Hill
The Hills District School for Special Purposes, Northmead
The Greenhouse - East Sydney
The Palms Nursing Home, Kirrawee
The New Children's Hospital, Westmead
Total Rehabilitation Service
Trentham Nursing Home, Willoughby
Tuggeranong Seniors Centre
Wade-Lyn Nursing Home, Hurstville
War Memorial - Waverley
Waratah Nepean Developmental Disability Service
Waverley Community Health Centre
Waratah Nepean Developmental Disability Service (Hunter Equipment Service)
Waratah Orthopaedic School
Weemala, Ryde Rehabilitation Hospital
Weeroonga Training, Recreation & Resource Centre - Brookvale
Western Area Adolescent Assessment Team - Mt Druitt
Wesley Gardens Retirement Village, Belrose
Wesley-Ashfield
Westmead Hospital
Wicks Living Skills Centre
Wontama Day Centre
Yallambi Nursing Home for Aged Ladies
Yarrawarra Living Skills Centre - Bankstown

Community agencies and private organisations

Country
ACT RehabiUtation Service
Aged Care Assessment Team, Kufri Kurri
Aged Care Advisory Service - Wagga Wagga
Albury Base Hospital
Albury Mercy Hospital
Albury Community Health
Anne Crane (Private Practice) - Bonville (Coffs Harbour)
Armidale Community Services Centre
Armidale and New England Hospital
Ballina Hospital
Baringa - Fairymeadow
Baringa Private Rehabilitation Hospital - Coffs Harbour
Bathurst Brain Injury Unit
Bathurst RehabiUtation Centre
Bathurst Aged Care Team
Bega Community Health Centre
Belconnen Health Centre, ACT
Bellingen River and District Hospital
Belmont District Hospital
Berkley Vale Private Hospital
Blue Mountains District Memorial
Blue Mountains District Health Service
Bowral & District
Bowral Community Health Centre
Bulli Community Health Centre
Broken Hill Base Hospital
Byron Bay Primary Care
Calvery Hospital ACT (Inc)
Camden District Hospital
Campbell Hospital - North Coast - Coraki
Campbelltown Hospital
Canberra Occupational Therapy Services
Carrington Centennial Hospital
Casino Community Health Centre
Central Coast Area Health Service
Cessnock Base Hospital
Civic Regional Unit-ACT
Coffs Harbour Base Hospital
Coledale District Hospital
Commonwealth RehabiUtation Service
Cootamundra Hospital
Coorabel Hospital
Cowra District Hospital

Crisis Assessment and Treatment Team - Newcastle
Child Assessment & Intervention Team 'Kids Cottage'
Child Development Unit - Goulburn
Coffs Harbour Rehabilitation
Community Disability Service-ACT
Community Medicine Services - Toowoomba
Community Mental Health - Goulburn Base Hospital
Community Resource Team
Community Service Centre - Lismore
Cooma Hospital
Department of Community Services
Department of Family Services - Toowoomba
Doc's - Glen Innes
Deniliquin Community Health
Department of Social Security - Coffs Harbour
Dickson Day Centre - ACT (Dickson Seniors Network)
Dubbo Community Health Centre
Eastlakes Community Health Centre - Windale
Extended Care - Orange
Figtree School - WoUongong
Fred McKay Day Care Centre - Alice Springs
Finley Community Health
Forbes District Hospital
Glen Innes Community Health Centre
Goulburn Base Hospital
Griffith Base Hospital
Gunnedah District Hospital
Hastings District Hospital
Hastings District Health Services
Hevington House Special Day Care
Hunter Rehabilitation Service - New Lambton
'Homeleigh' - WoUongong C wealth Rehab. Service
Worksite O/T - The Junction
Health Centre - New Town (TAS)
Hobart Repat & GeneraTHospital - Battery Point (TAS)
Interact Injury Management - Orange
Illawarra Occupational Health - WoUongong
IUawarra Quid Development Centre - North WoUongong
Illawarra Regional Hospital (Port Kembla Campus)
Illawarra Regional Hospital (WoUongong Campus)
Individual Development Centre - B algownie
IRS Total Injury Management - Orange
IRS - Hamilton
IRS-WoUongong
IRS-Perth
James Fletcher Hospital - Newcastle
John Hunter, Hospital
Joint Coal Board - Warners Bay, Singleton
Katoomba Area Health Centre
Kempsey District Hospital
Kiama District Hospital
Kiama Health Support Service
Kirra Centre-ACT
Kurpinta Living Skills Centre - Newcastle
Kurri Kurri
Launceston General Hospital
Lawrence Hargrave Hospital - Thirroul
Lincoln School of Health Services - Carlton - Victoria
Lismore Base Hospital
Lismore Living Skills Centre
Lithgow District Hospital
Lourdes - Dubbo
Macksville Hospital
Maidand Hospital
Mandala Clinic - Central Coast
Maneen House Living Skills Centre - Mangerton
Mater Miseracordiae Hospital - Sth Brisbane
Mental Health Team - Albury
Mercy Care -Young
Mercy Hospital-Albury
MetropoUtan Reception Prison - Coburg
Mobile Community Management Team
Molong Community Health Centre
Moree District Hospital
Moruya Community Health
Mullumbimby Primary Care
MusweUbrook District
Nelson Bay Community Health
Nepean School Age Therapy Team - Penrith
North Gosford Private Hospital
Newcastle East Community Health Service - Newcastle
Noah's Ark - Nowra
Northern Territory Student Services - Darwin
Nowra Community Hospital
Orana Community Health Centre, Dubbo
Orange Base Hospital
Pambula Community Health
Parkes Hospital
'Peacock' - North Hobart
Port Macquarie
Psychiatric Rehabilitation Service -ACT
QEH JubUee Hospital - Sunnybank
Queanbeyan District Hospital
Rankin Park
Riverland Community Health Services - Bern
Royal Adelaide, South Australia
Royal Children's Hospital - Parkville
Royal Hobart Hospital
Royal Park Psychiatric Hospital - Parkville
Royal Newcastle Hospital
Shellharbour Hospital - Mt Warrigal
Shoalhaven District Memorial Hospital - Nowra
Soldiers Memorial Hospital - Canowindra
South Coast Workers' Medical Centre - WoUongong
Specialist Adult Health Services - Casuarina
Stanbridge, White & Associates - Wagga Wagga
St John of God Hospital - Goulburn
St Vincents Hospital - Lismore
Stuart Centre - Valentine
Tamworth Base Hospital
Tangara School for Special Purposes - Mittagong
Territory Health Services - Casuarina
The Campbell Hospital
Toowoomba General Hospital - Queensland
Toowoomba Intellectual Disability Services
TownsvUle General Hospital
Tweed Heads District Hospital & Health Services
Tuggeranong Seniors Centre
Tumut Community Health
University of Queensland - St Lucia
Wagga Wagga Base Hospital
War Memorial Hospital - Cudal
Wellington District Hospital
Wingham Assessment & RehabiUtation
Woden Valley Hospital
Wodonga District Hospital
Wolston Park Hospital - Walcol
Woodstock Centre - Lavington

Overseas

Asdey Ainslie Hospital Edinburgh - Scodand
Department of Rehabilitation - National University Hospital - Singapore
Duchess of Kent Children's Hospital - Hong Kong
Leicester Royal Infirmary - England
Margaret Drive Special School - Singapore
Michigan Hand RehabUitation Centre - USA
Nether Edge Hospital - Sheffield - England
Pinderfields General Hospital - England
St Joseph Hospital - USA
Scottish Hospital
Scottish Hospital, Aged Care Centre
The Arthritis Society - Vancouver, Canada
Woodbridge Hospital - Singapore

School of Physiotherapy

The School of Physiotherapy wishes to acknowledge the vital function performed by physiotherapists who undertake the clinical education of its undergraduate students. These clinical educators are located in clinical units in New South Wales and interstate.

Public hospitals

Metropolitan
Auburn
Balmain
Bankstown-Lidcombe
Blacktown
Blue Mountains District Anzac Memorial Hospital
Braeside
Calvary Rehabilitation & Geriatric Services (Kogarah)
Camden
Campbelltown
Canterbury
Concord
Fairfield
Greenwich
Hornsby Kuring-Gai Hospital & Area Health Service
Lady Davidson, North Turramurra
Liverpool Health Service
Lottie Stewart
Manly Hospital & Community Health Service
MtDruitt
MonaVale
Nepean Hospital
New Childlren's Hospital
Prince Henry, Little Bay
Prince of Wales, Randwick
Rachel Forster, Redfern
Royal Hospital for Women, Randwick
Royal North Shore, St Leonards
Royal Prince Alfred, Camperdown
Royal Rehabilitation Centre
Royal South Sydney Hospital
Ryde Hospital and Community Health Services
St George, Kogarah
St Josephs, Auburn
St Vincent's, Darlinghurst
Sutherland Hospital, Caringbah
Sydney
Sydney Childrens Hospital
War Memorial, Waverley
Westmead
Non-Sydney
AlburyBase
Armidale and New England
Ballina Community Health
Bathurst Base
Broken Hill Base Hospital
Bulli District
Bundaberg Base Hospital
Calvary Hospital, Canberra
Canowindra Soldiers Memorial Hospital
Coffs Harbour and District
Coledale District
Condobolin District
CoomaBase
Dubbo Base
Forbes District
Gold Coast Hospital
Gosford District
GoulburnBase
Grafton Base
Griffith Base
'Homeleigh' Wollongong Community Rehabilitation Centre
Hunter Rehabilitation Service
Illawarra Area Health Service (Wollongong and Port Kembla Campuses)
John Hunter
Kempsey District
Launceston General Hospital
Lawrence Hargrave Hospital
Lismore Base
Lithgow District
Lourdes Hospital-Dubbo
MacL ean District
Maitland
Manning Base, Taree
Mater Misericordiae, Newcastle
Mercy Care Centre, Young
Mercy Hospital -Albury
Mildura Base Hospital
Mudgee District
Murwillumbah District Hospital
Northern Rivers Area Health Service
North West Regional Hospital-Burnie
Orange Base
Parkes
Port Macquarie & Hastings District
Repatriation General, Hobart
Royal Darwin Hospital
Royal Newcastle Hospital
Shellharbour
Shoalhaven District Memorial, Nowra
St Vincent's, Lismore
Tamworth Base
The Canberra Hospital
Townsville General Hospital
Tweed Heads
Wagga Wagga Base
William Lyne Day Hospital
Woy Woy
Wyalong District
Wyong District
Yarram and District Health Service

Private hospitals and nursing homes

Hawkesbury District Health Service
Metropolitan Rehabilitation Hospital
Mt Wilga Private Hospital
North Shore Private Hospital
Sydney Adventist Hospital
Tamara Private Hospital
Toronto Private Hospital

Commonwealth government departments and agencies

ACT Community Care (Dickson Health Centre and Phillip Health Centre)
HMAS Penguin
1st Field Hospital

State government department and agencies

Department of Community Services - Parramatta, Penrith, Richmond, St Mary's

Community agencies and private organisations

Anglican Retirement Villages (MOWLL)
Community Aged Care Services
Cumberland Health & Research Centre
Multiple Sclerosis Society of NSW (Lidcombe)
Royal Institute for Deaf & Blind Children - The Alice Betteridge School
Southern Sydney Early Intervention Service
Spastic Centre (Ryde, Allambie Heights, Carlingford, North Ryde, Prairiewood)

Private practitioners

Jenny Aiken & Andrew Gray
AlbertAlonso
TonyAyoub
David Bick
Sandra Bloxham

Malcolm Browne
Peter Buffon and Denny Shearwood
Mark & Sally Cassidy
Sue Cockcroft & Melinda Johnson
Greg Craig & Karen Avery
Gary Eastburn & Margaret Eastburn
Tony Gibson
Beverley Giovanelli & Jeffrey Flood
Pat Glower-Seppelt
Julie Godfrey & Margaret Banff
James Hardy
Andrew Harper
Stephen Hill
Kate Hind
Patricia Hunn
Brent Kirkbride
Kate Hoogervost & Melody Martin
Suzanne Jones
Peter Knapman & Mary Knapman
Sue Lovelock
Jenny McConnell
Gaetano Milazzo
Craig Nicholson
Lesley Nicholson
Annette O'Sullivan
Anne Pine
Grant Pleffer
Tracey Powell & Christopher McKenna
Jeff Pross
Phillip Richardson & Francis Crossle
John Roberts
Sonja Schulze
Greg Sheather
Elizabeth Steet & Mark Bevan
Mary Sutherland
Bob Tindale
Colin Thompson
Martin Todd-Smith
Lisa Tomlinson-Alonso
B everley Trevi thick
Charles Tzannes
Gordon Waddington & David Pearson
Joel Werman

University of Sydney

University of Sydney Pain Management and Research Centre - Royal North Shore Hospital

Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: School of Indigenous Health Studies wishes to acknowledge the following organisations for their contribution to the 2000 field experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) courses.

Aboriginal health and community development

Hospitals

Aboriginal and Islander Health, Townsville, QLD
Anton Breinl Centre, Townsville, NSW
Banksia Mental Health Unit, Tamworth Hospital, Tamworth, NSW
Department of Social Work, Royal Alexander Hospital, Camperdown, NSW
Illawarra Area Health Service, Wollongong, NSW
MacQuarie Health, Dubbo, NSW
McQuarie Mental Health Service, East Dubbo, NSW
Narrabri Hospital, Narrabri, NSW
North West Health Service, Tamworth, NSW
Northern Regional Health Authority, Townsville, QLD
Rozelle Hospital, Leichhardt, NSW
Sacred Heart Hospice, Darlinghurst, NSW

Land councils

Gandagarra Land Council, Canley Vale, NSW
Merrimans Local Aboriginal Land Council, Via Narooma, NSW
NSW Aboriginal Lands Council, Parramatta, NSW
Pilliga Aboriginal Lands Council, Pilliga, NSW
Ulladulla Local Aboriginal Lands Council, Ulladulla, NSW

Aboriginal medical services

Aboriginal Medical Service (Nowra), Nowra, NSW
Arunga Health, Matraville, NSW
Awabakal Medical Service, Broadmeadow, NSW
Biripi Aboriginal Medical Service, Taree, NSW
Bourke Aboriginal Medical Service, Bourke, NSW
Brewarrina Aboriginal Health Service, Brewarrina, NSW
Daruk Aboriginal Community Controlled Medical Service, Mt Druitt,NSW
Durri Aboriginal Medical Service, Kempsey, NSW
Kimberly Aboriginal Medical Service, Broome, WA
Narrabri Aboriginal Health, Narrabri, NSW
Pika Wiya Health Service Inc., Port Augusta, SA
Redfern Aboriginal Medical Service, Redfern, NSW
Tharawal Aboriginal Medical Service, Campbeltown, NSW
Urapuntje Health Services, Utopia via Alice Springs, NT
Walgett Aboriginal Medical Service, Walgett, NSW
Wellington Aboriginal Medical Service, Wellington, NSW
Wuchoppen Medical Service, Cairns, QLD

Community health centres

Aboriginal & Islander Community Health Centre, North Sradbroke Island, QLD
Aboriginal and Islander Community Health Service, Brisbane, Woolloongabba, QLD
Aboriginal and Islander Community Health Service Ipswich, Ipswich, QLD
Aboriginal Community Health, Redfern, NSW
Bega Community Health, Bega, NSW
Community and Allied Health Services, Liverpool, NSW
Community Health Centre, Kempsey, NSW
Community Health Centre, Moruya, NSW
Commumty Health Centre, Warrawong, NSW
Community Health Tweed Heads, Tweed Heads, NSW
Commumty Health, Eden, NSW
Community Health, Thursday Island, QLD
Darlinghurst Community Health, Darlinghurst, NSW
Early Childhood Centre, Glebe, NSW
Griffith Community Health Centre, Griffith, NSW
Hoxton Park Community Health Centre, Hoxton Park, NSW
Macksville Community, Macksville, NSW
Narooma Community Health, Narooma, NSW
Orana Far West Region Community Health, Dubbo, NSW
Primary Health Care, Coffs Harbour, NSW
Primary Health Services, Coffs Harbour, NSW
St Pauls Community Health, via Thursday Island, QLD
Thursday Island Community Health, Thursday Island, QLD
Toomelah Health Centre, Boggabilla, NSW
Townsville Aboriginal and Islander Community Health Service, Townsville, QLD
Tumet Community Health, Tumet, NSW
Wagga Community Health Centre, Wagga Wagga, NSW
Walhallow Primary Health Post, Caroona, NSW

Drug and alcohol services

Aboriginal Coordinating Council, Cairns, QLD
Bennalong Haven, Kinchela, NSW
Doonoch, Nowra, NSW
MASH, Moree, NSW
Moree Aboriginal Sobriety House Aboriginal Corporation, Moree, NSW -.
Oolong Aboriginal Corporation, Nowra, NSW
Orana Haven Aboriginal Corporation, Brewarrina, NSW
Tara Lodge, James Flecher Hospital, Newcastle, NSW

Aboriginal corporations

Aboriginal and Torres Strait Islander Corporation for Women, Woolloongabba, QLD
Aboriginal Corporation for Homeless and Rehabilitation Services, Summerhill, NSW
Basin Flat Cottage, Via West Kempsey, NSW
Batemans Bay Aboriginal Corporation, Batemans Bay, NSW
Blacktown Aboriginal Corporation, Blacktown, NSW
Boree Aboriginal Corporation, Orange, NSW
Broken Bay Aboriginal Corporation, Wyong, NSW
Bulgarr Ngaru Medical Aboriginal Corporation, Grafton, NSW
Campbelltown and District Aboriginal Corporation, Campbeltown, NSW
Central Southern Aboriginal Corporation for Management and Accounting Services, Wagga Wagga, NSW
Eastern Zone Gujaga Aboriginal Corporation, Matraville, NSW
Gadigal Information Services, Aboriginal Corporation, Strawberry Hills, NSW
Illawarra Aboriginal Medical Service Aboriginal Corporation, Wollongong, NSW
Ivanhoe Aboriginal Corporation, Ivanhoe, NSW
Kalumburu Aboriginal Corporation, Kimberely, WA
Katungul Aboriginal Corporation (Community and Medical Services), Narooma, NSW
La Perouse Community Development Corporation, Matraville, NSW
Munjuwa Aboriginal Corporation, Queanbeyan, NSW
Riverina Medical and Dental Aboriginal Corporation, Wagga Wagga, NSW
St Clair Aboriginal Corporation, Singleton, NSW
Twofold Aboriginal Corporation, Eden, NSW
Urimbirra Aboriginal Corporation, Bonnyrigg, NSW
Wagga Advancement Aboriginal Corporation, Wagga Wagga, NSW
Waminda South Coast Women's Health Aboriginal Corporation, Nowra, NSW
Weimija Aboriginal Corporation, Broken Hill South, NSW
Willow Bend Aboriginal Corporation, Condobolin, NSW
Wreck B ay Aboriginal Corporation, ACT
Yarrawarra Aboriginal Corporation, Coffs Harbour, NSW

Aboriginal organisations

Aboriginal and Islander Child Care, Brisbane, QLD
Aboriginal and Islander Health Workers Journal, Matraville, NSW
Aboriginal Birthing Project, Port Augusta, SA
Aboriginal Business Enterprise Centre, Randwick, NSW
Aboriginal Dance Theatre, Strawberry Hills, NSW
Aboriginal Family Care Community Organisation, Bodalla, NSW
Aboriginal Hostels, Darlinghurst, NSW
Aboriginal Housing Company, Strawberry Hills, NSW
Aboriginal Legal Service, Blacktown, NSW
Aboriginal Legal Service, Strawberry Hills, NSW
Aboriginal Media Unit, Surry Hills, NSW
Aboriginal Student Support Parent Association Committee, Batemans Bay, NSW
ATSIC, Dubbo, NSW
Barriekneal Housing Company, Lightning Ridge, NSW
Batemans Bay Koori Centre, Batemans Bay, NSW
Bodella Aboriginal Housing Company LTD, Bodella, NSW
Boomanulla Oval, Narrabundah, ACT
Browns Flat Aboriginal Corporation, Nowra, NSW
Central Coast Aboriginal Health Action Group, Gosford, NSW
Cobar Aboriginal Advancement Association, Cobar, NSW
Gullama Aboriginal Services Centre, Alexandria, NSW
Gunaana Inc, Dubbo, NSW
Illawara United Aboriginal Corporation for Sport and Recreation, Wollongong, NSW
Innovative Youth Program, Wooloongabba, QLD
Karringal Youth Crisis Centre, Croydon, NSW
Korri Aged Community Care, Narooma, NSW
Moree Aboriginal Legal Service, Moree, NSW
Mundarra Aboriginal Youth Service, Mt. Druitt, NSW
Murawina Mt. Driutt Aboriginal Child Care Program, Mt Druitt, NSW
Murawina Multi Purpose Aboriginal Education Centre, Redfem.NSW
Pjunju, Minto, NSW
Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
Rose Mumbler Village, Nowra, NSW
South Coast Aboriginal Centre, Nowra, NSW
South Coast Aboriginal Centre, Nowra, NSW
South Coast Aboriginal Legal Service, Nowra, NSW
South Coast Youth Movement Aboriginal Corporation, Nowra, NSW
Sydney Institute of Technology Eora Centre for Aboriginal Studies - Visual and Performing Arts, Chippendale, NSW
Towri Multi Functional Aboriginal Children's Service Centre, Bathurst, NSW
Wee Waa CDEP, Wee Waa, NSW
Wunabiri Pre-School Kindergarten, Surry Hills, NSW
Yalga Bimbi, Cairns, QLD
Yinganeh Womens Refuge, South Lismore, NSW

Community organisations & services

A Woman's Place, Potts Point, NSW
Aboriginal and Torres Strait Islander Commission State Office, Sydney, NSW
Aboriginal Children's Service, Redfern, NSW
Aboriginal Childrens Service (St Marys Branch), St Marys, NSW
Aboriginal Health Resource Co-op Ltd, Strawberry Hills, NSW
Aboriginal Health, North Sydney, NSW
Amaru Skill Share Provider, Campbelltown, NSW
Armidale Shelter, Armidale, NSW
Australian Museum, Sydney, NSW
Campbelltown Police Station, Campbelltown, NSW
Central Coast Division of General Practice, Gosford South, NSW
Department of Social Services, Nowra, NSW
Home Care Dubbo, Dubbo, NSW
Home Care Service, Armidale, NSW
Home Care, Central Coast Branch, Wyong, NSW
Home Care, Mt. Druitt, NSW
Kirketon Road Centre, Kings Cross, NSW
Koori Unit, SBS Television, Crows Nest, NSW
Marcia's Woman's Refuge, Campbelltown, NSW
NSW Police Service, North Region, Gosford, NSW
NSW Police Service, North West Region, Parramatta, NSW
NSW Police Service, South Region, Erskinville, NSW
Police Citizens Youth Club, Waterloo, NSW
Police Koori Network, Liverpool, NSW
Skillshare, Moruya, NSW
Southern Womens'Housing, Bega, NSW

Ministerial office

Dr Andrew Refshauge, Minister for Aboriginal Affairs, North Sydney, NSW

CHAPTER 19

Facilities and services

Bookshop

The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the Student Guild, the Bookshop holds all prescribed texts and various stationery and software items. Enquiries can be made on (02) 9351 9484 or (02) 9646 5335, fax (02) 9646 2495, email cland@mail.coop-bookshop.com.au.

Childcare: Ngallia

Ngallia, the on-campus child care centre for children aged between 6 weeks and 6 years is available. For further information call (02) 9749 7575 between 1 and 3 pm.

Counselling service

A counselling service is provided through Student Welfare Services to assist students who wish to discuss concerns of a personal, academic or vocational nature. The service is free and confidential. The Counsellor, a 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 Youm 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 direcdy 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 dieir needs as early as possible each academic year. A disability might be apparent or invisible, and might range from very slight to severe. It could be a physical, sensory, psychological, medical, or learning disability, or a combination of these. Students can experience difficulty meeting their educational commitments because of the educational disadvantage created by a disability. A variety of support services are available including notetakers, scribes, special examination arrangements, library facilities including the Special Study Room, and equipment for use and loan. Such assistance can minimise the disadvantage that might otherwise occur.

In the first instance, students are invited to contact Student Welfare Services on (02) 9351 9638 or (02) 9351 9081 for a consultation on what support services they need, for information on what assistance is available, and for guidance on University procedures. Students may also wish to have a confidential discussion with the student counsellor by telephoning direcdy 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

welcome. Phone the Language and Learning Unit directly On (02) 9351 9631 or (02) 9351 9319, or reception on (02) 9351 9638 orfax (02) 9351 9635.

Equal employment opportunity and affirmative action

The University has an EEO Unit and an EEO and Affirmative Action Management Plan. EEO and Affirmative Action policies are designed to prevent discrimination, promote equity, and work in the interests of target groups who have suffered discrimination in the past. Such groups include Aborigines, women, people from non-English speaking backgrounds and people with mental or physical disabilities.

The campus has its own Cumberland Equity Advisory Committee (CACE) which provides a forum for discussion and promotion of these policies. •

Faculty discrimination advisers

All staff and students within the University have the right to be treated fairly and with respect. The University, both as an employer and as a provider of educational services, seeks to promote an environment which supports the productivity, self-esteem and personal work goals of both staff members and students.

The University of Sydney is committed to the provision of equal opportunity for staff and students, which includes ensuring the absence of discrimination on the grounds of sex, pregnancy, race (including colour, ethnic background or national identity), marital status, physical or intellectual impairment, sexual preference, political or religious belief or age.

Further, the University of Sydney is committed to the elimination of all forms of harassment and to providing support to the victims of harassment.

What is harassment?

Harassment is any behaviour that is unsolicited and unwanted and as such is offensive. The distress caused by harassment may be intentional or unintentional. Harassment is one form of discrimination and generally occurs when power is improperly exercised to the detriment of a person or group of people.

What can you do if you are harassed?

If possible tell the person directly that their behaviour is unacceptable to you and ask them to stop. If this is not appropriate or leads to no improvement then seek advice from a University or Faculty Discrimination Adviser. You may also direct your concerns to senior staff Within your School or Department.

Financial assistance

The University's loan scheme provides supplementary assistance, not full support, to students who demonstrate financial hardship. These interest-free loans may be short term for compulsory student fees at the beginning of semester, longer term loans for essential living and study expenses (called Financial Assistance loans), or a very short-term cash loan for an emergency mat 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 tides, 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 aumor, title, subject or keyword approaches. OPACs are located on both levels of the Library. The catalogue lists all holdings within the University Library system including Fisher Library and eighteen other branch libraries. The catalogue offers many self-service options and can be accessed externally through the Internet.

Extensive computer facilities allow users to make their own literature searches on a wide variety of databases. Many of these offer full text or are interactive. Library staff conduct regular classes in use of the database network, the Internet, and other methods of information gathering.

Distance education students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk (02) 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 *(LUI)* 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 SEUMS 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 the Student Guild Sports Centre. Bookings for the oval must be made with the Property Services Division.

Student accommodation

The Student Guild produces an annual Accommodation Guide and Directory, allocates rented rooms to students at Auburn Hospital Nurses' Home, and in first semester, maintains a housing register in the Guild Office. During the year, accommodation options are advertised on Guild Building noticeboards.

Yannadah

The student residence on the Cumberland campus, Lidcombe, provides accommodation for up to thirty-nine students from outside the greater metropolitan area of Sydney. Application forms are included with course offers. Places are determined by ballot. For information contact the Residential Manager on (02) 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 clincial placement experience. Lecturers are invited to contact Student Welfare Services for further information and to refer students for assistance. Specialised services within Student Welfare Services are the Language and Learning Unit, English language tuition, International Student Advisory Service, Peer Tutoring Service, Disability Services, Financial Assistance, and the Counselling Service (see details under separate headings). Phone (02) 9351 9638, fax (02) 9351 9635, email r.mckenzie@cchs.usyd.edu.au or a.chan@cchs.usyd.edu.au. Office hours are 9 am to 5 pm during semester and vacations.

Travel concessions

Details of travel concessions are available from the Student Enquiries Counter, Administration Building.

CHAPTER 20

Senate resolutions

As at 1 November, 2000

Degrees, Diplomas and Certificates in the Faculty of Health Sciences

1. The degrees in the Faculty of Health Sciences shall be:
   (a) Bachelor of Applied Science (BAppSc)
   (b) Bachelor of Behavioural Health Science (BBHSc)
   (c) Bachelor of Health Science (BHlthSc)
   (d) Master of Applied Science (MAppSc)
   (e) Master of Communication Disorders (MCommDis)
   (f) Master of Health Science (MHlthSc)
   (g) Master of Health Information Management (MHTM)
   (h) Master of Occupational Therapy (MOT)
   (i) Master of Rehabilitation Counselling (MRehabClng)
   (j) Doctor of Health Science (HScD)
   (k) Doctor of Philosophy (PhD).
2. The diplomas and certificates in the Faculty of Health Sciences shall be:
   (a) Diploma of Health Science (DipHlthSc)
   (b) Graduate Diploma of Health Science (GradDipHlthSc)
   (c) Graduate Diploma in Rehabilitation Counselling (GradDipRehabClng)
   (d) Graduate Certificate of Health Science (GradCertHlthSc)
3. The Faculty, acting on the recommendation of the Head of School/Centre concerned, may refuse permission to a candidate for any of the above degrees, diplomas or certificates, to undertake or continue the clinical education (fieldwork/professional experience) component of the award, in the circumstances where the candidate has not demonstrated satisfactory progress toward fulfilling the clinical requirements of the award.
4. The Faculty delegates authority to the Associate Dean (Undergraduate Studies)/Associate Dean (Graduate Studies) to act on behalf of Faculty in relation to section (3) above, and that the Dean be the first point of appeal for students in relation to actions taken in this matter.

Bachelor of Applied Science

1. The degree of Bachelor of Applied Science may be awarded in the grade of Pass degree in:
   (a) Exercise and Sport Science
   (b) Health Information Management
   (c) Leisure and Health
   (d) Medical Radiation Sciences
   (e) Occupational Therapy
   (f) Orthoptics
   (g) Physiotherapy
   (h) Speech Pathology.
2. (1) The degree of Bachelor of Applied Science may be awarded in the grade of Honours degree in the following areas:
   (a) Exercise and Sport Science
   (b) Health Information Management
   (c) Leisure and Health
   (d) Medical Radiation Sciences
   (e) Occupational Therapy
   (f) Orthoptics
   (g) Physiotherapy
   (h) Speech Pathology.
   (2) There shall be three classes of honours, namely Class I, Class II, and Class III.
   (3) Within Class II there shall be two divisions namely Division 1 and Division 2.
   (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3. (1) A unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school concerned.
   (2) The words 'to complete a unit' and derivative expressions mean:
   (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
   (b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school concerned.
   (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a head of school/centre, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school/centre may, in their discretion, in any particular case:
   (a) exercise the power,
   (b) exercise the power conditionally, or
   (c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
   (2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a subject unless entry requirements prescribed for that subject have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the head of school concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units as set out in the appropriate degree area in each relevant school's chapter.
8. A candidate for the Honours shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the appropriate degree area in each relevant school's chapter.

Bachelor of Behavioural Health Science

1. The degree of B achelor of Behavioural Health Science is awarded in two grades: pass and honours.
2. In the Honours grade, there are
   (1) three classes of honours, namely Class I, Class II, and Class III; and
   (2) Within Class II there shall be two divisions, namely Division 1 and Division 2.
3. If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
4. (1) a unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises, essays and reports as may be prescribed by the Faculty or the school concerned.
   (2) The words 'to complete a unit' and derivative expressions mean:

(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

5. Where in these resolutions a power is given to the Faculty or a Head of School or Centre subject to any express indication to the contrary or resolution passed by the Faculty, or a Head of School or Centre may, in their discretion, in any particular case:
(a) exercise the power,
(b) exercise the power conditionally, or
(c) decline to exercise the power.
6. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
(2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
7. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
8. A candidate for the Pass degree shall complete the units as set out in the appropriate degree area in chapter 6, School of Behavioural and Community Health Sciences.
9. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program as set out in the appropriate degree area in chapter 6, School of Behavioural and Community Health Sciences.

Bachelor of Health Science

1. The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
(a) Aboriginal Health and Community Development
(b) Hearing and Speech
(c) Rehabilitation Counselling
(d) Nursing*
(e) Occupational Therapy*
(f) Physiotherapy*
(g) Medical Radiation Technology*
♦Singapore Conversion Courses.
2. (1) The degree of Bachelor of Health Science may be awarded in the grade of Honours degree in:
(a) Aboriginal Health and Community Development
(b) Hearing and Speech
(c) Occupational Therapy*
(d) Rehabilitation Counselling

(2) There shall be three classes of honours, namely Class I, Class II, and Class III.

(3) Within Class II there shall be two divisions, namely Division 1 and Division 2.

(4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.

3. (1) a unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school concerned.

(2) The words 'to complete a unit' and derivative expressions mean:
(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

4. Where in these resolutions a power is given to the Faculty or a Head of School or Centre subject to any express indication to the contrary or resolution passed by the Faculty, or a Head of School or Centre may, in their discretion, in any particular case:
(a) exercise the power,
(b) exercise the power conditionally, or
(c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
(2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the Head of School or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units as set out in the appropriate degree area in each relevant school's chapter.
8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the appropriate degree area in each relevant school's chapter.

Master's degrees

Subject areas

1. The degree of Master of Applied Science may be taken in the following subject areas:
(i) Behavioural Science
(ii) Biomedical Sciences
(iii) Communication Sciences and Disorders
(iv) Education
(v) Exercise and Sport Science
(vi) Gerontology
(vii) Health Information Management
(viii) Indigenous Community Health
(ix) Medical Radiation Sciences
(x) Occupational Therapy
(xi) Orthoptics
(xii) Physiotherapy
(xiii) Rehabilitation
(xiv) Rehabilitation Counselling
(xv) Stuttering
(xvi) Voice
2. Master of Communication Disorders
3. The degree of Master of Health Science may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
(i) Behavioural Science
(ii) Cardiopulmonary Physiotherapy
(iii) Child and Adolescent Health
(iv) Clinical Data Management
(v) Community Health

*Singapore Conversion Course

(vi) Education
(vii) Exercise and Sport Science
(viii) Gerontology
(ix) Healdi Informatics
(x) Indigenous Community Health
(xi) Management
(xii) Manipulative Physiotherapy
(xiii) Medical Radiation Sciences
(xiv) Medical Sonography
(xv) Neurological Physiotherapy
(xvi) Occupational Therapy
(xvii) Paediatric Physiotherapy
(xviii) Physiotherapy
(xix) Speech-Language Pathology
(xx) Sports Physiotherapy.

4. The following degrees may be awarded in the grade of Pass degree or Honours degree:
(i) Health Information Management
(i) Master of Occupational Therapy
(ii) Master of Rehabilitation Counselling

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the Head of School or Centre concerned, admit to candidature for a degree of Master within the Faculty an applicant:
(a) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the apphcant possesses the educational preparation and capacity to pursue graduate studies;
(b) who, in addition, meets any other requirements for admission to a particular program mat has been prescribed by Faculty.
(2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature accordance with the provisions of Chapter 10 of the By-laws.

Availability

3. Admission to candidature for any Master's degree or any program within a Master's degree may be limited by quota.
4. In determining any quota the University will take into account:
(a) availability of resources including space, library, equipment and computing facilities; and
(b) availability of adequate and appropriate supervision, including bodi the supervision of research candidatures and the coordination of coursework programs.
5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.
6. Before recommending the admission of any applicant the Head of School or Centre concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Method of progression

9. A candidate shall proceed:
(a) primarily by research and thesis; or
(b) by coursework and diesis; or
(c) primarily by coursework.

Time limits

10. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

11.(1) Except with the permission of Faculty or as provided in section 11 (3) below:
(a) a full-time candidate proceeding primarily by research and diesis shall complete the requirements not earlier than the end of the fourth semester and not later than the end of the sixth semester of candidature;
(b) a full-time candidate proceeding primarily by coursework shall complete the requirements not earlier than the end of the second semester and not later than the end of the sixth semester of candidature, except in the case of candidates proceeding to the award of the degree of Master of Occupational Therapy, where the minimum candidature is four semesters and maximum candidature is eight semesters;
(c) a part-time candidate proceeding either primarily by research and diesis shall complete the requirements not earlier than the end of the sixth semester and not later than the end of the tenth semester of candidature;
(d) a part-time candidate proceeding by coursework shall complete the requirements not earlier than the end of the fourth semester, and not later than the end of the tenth semester of candidature.
(2) The Faculty may in special circumstances extend a candidate's maximum period of candidature and may prescribe special conditions to be fulfilled by the candidate;
(3) The Faculty, at the time of admission to candidature, may permit a candidate proceeding primarily by research and diesis who holds a bachelor degree with first or second class honours from the University of Sydney or an equivalent qualification to complete the requirements not earlier than the end of the first year of candidature if a full-time candidate and not earlier than the end of the second year of candidature if a part-time candidate.

Credit

12. (1) The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
(a) deem such time to have been time spent after admission to candidature; and
(b) grant credit towards the degree on the basis of a course or courses regarded as equivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.
(2) The Faculty may, under specific conditions prescribed by resolution of the Faculty, grant credit additional to that specified in subsection (l)(b) to holders of Graduate Diplomas awarded by the Faculty.

Supervision

13.(1) The Faculty shall appoint, on the recommendation of the Head of School or Centre concerned, a full- time member of the academic staff of the Faculty to act as supervisor of each candidate proceeding primarily by research and diesis or by coursework and thesis and may appoint, for each such candidate, an advisory committee.
(2) The Faculty shall appoint, on the recommendation of the Head of School or Centre concerned, a full-time member of the academic staff of the Faculty to act as supervisor or advisor, as thought most appropriate for each candidate proceeding primarily by coursework.
(3) The Faculty may appoint, on the recommendation of the Head of School or Centre concerned, from amongst

appropriately qualified persons, an associate supervisor to assist in the supervision of any candidature.

Enrolment

14. (1) A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the degree are completed or the candidature terminated;
(2) A candidate readmitted to candidature after an absence of more man one year shall complete the degree under such conditions as the Faculty shall determine.

Requirements for the degree

15. A candidate for the degree proceeding primarily by coursework shall complete the courses for the degree as prescribed by the Faculty and set out in tables of courses.
16. (1) A candidate for the degree proceeding primarily by research and thesis or by coursework and thesis shall:
(a) complete the courses for the degree as prescribed by the Faculty and set out in tables of courses;
(b) carry out supervised research on a topic which has been approved by the Faculty on the recommendation of the head of school or centre concerned no later than the end of the second semester of the full-time candidature or the third semester of part-time candidature;
(c) write a thesis embodying the results of the research; and in completion of the requirements for degree lodge with the Registrar three copies of the thesis, typewritten and bound in either a temporary or permanent form.
(2) Theses submitted in a temporary binding should be strong enough to withstand ordinary handling and postage and the preferred form of temporary binding is the 'Perfect Binding' system; ring-back or spiral binding is not acceptable. Theses submitted in a temporary form shall have fixed to the cover a label clearly identifying the name of the candidate, the title of the thesis, and the year of submission.
(3) Theses submitted in a bound form shall normally be on International Standard A4 size paper sewn and bound in boards covered with bookcloth or buckram or other binding fabric. The title of the thesis, the candidate's initials and surname, the title of the degree, the year of submission and the name of the University of Sydney should appear in lettering on the front cover or on the title page. The lettering on the spine, reading from top to bottom, should conform as far as possible to the above except that the name of the University of Sydney may be omitted and the thesis title abbreviated. Supporting material should be bound in the back of the thesis as an appendix or in a separate set of covers.
(4) The degree shall not be awarded until the candidate has caused at least two copies of the thesis (containing any corrections or amendments that may be required) to be bound in a permanent form.
(5) The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.
(6) The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
(7) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.
17. On completion of the requirements for the degree by a candidate proceeding primarily by research and thesis or by coursework and thesis, the Faculty, on the recommendation of the head of school or centre concerned, shall appoint two examiners, of whom at least one shall not be a member of the academic staff of the Faculty. At least one examiner should be selected from within the university. The student's supervisor(s) shall not be an examiner.
18. The reports of the examiners shall be made available to the head of the school or centre concerned who shall consult with the supervisor.
19. The head of school or centre concerned shall report the result of the examination.of the candidature together with a recommendation concerning the award of the degree to the Faculty Board which shall determine the result.
20. In special cases the Faculty may, on the recommendation of the head of school or centre concerned, require the candidate to take a further examination in the area of the thesis which may be an oral examination to be held at the Cumberland Campus or at such other location as may be determined by the Faculty.
21. The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis for re-examination if, in the opinion of the head of school or centre concerned the candidate's work is of sufficient merit, and may prescribe special conditions to be fulfilled by the candidate.
22. On the completion of the requirements for the degree by a candidate proceeding primarily by coursework the head of school or centre concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

Progress

23. (1) A report on the progress towards completion of the requirements for the degree shall be prepared by the appointed supervisor at least annually in respect of each candidate proceeding primarily by research and thesis or by coursework and thesis.
(2) The report shall be shown to the candidate and the candidate shall sign the report as having sighted the contents.
(3) The report, after signature by the candidate, shall be forwarded to the Faculty through the head of school or centre concerned.
24. The Faculty may, on the recommendation of the head of school or centre concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

Diploma of Health Science

1. (1) The Diploma of Health Science may be awarded in the areas of:
(a) Aboriginal Health and Community Development.
2. (1) A unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school or centre concerned.
(2) The words 'to complete a unit' and derivative expressions mean:
(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school concerned.
(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
3. Where in these resolutions a power is given to the Faculty or a head of school or centre subject to any express indication to the contrary or resolution passed by the Faculty, or a head of school may, in their discretion, in any particular case:
(a) exercise the power,
(b) exercise the power conditionally, or
(c) decline to exercise the power.
4. (1) A candidate readmitted to candidature for the diploma after an absence of more than one year shall complete the diploma under such conditions as the Faculty shall determine.

(2) Except with the permission of the Faculty, on the recommendation of the head of the school or centre concerned, a candidate shall not enter a subject unless entry requirements prescribed for that subject have been satisfied.

5. A candidate may be granted credit towards the diploma on the basis of a subject or subjects regarded by the Faculty, on the recommendation of the head of school or centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the diploma requirements.
6. A candidate for the diploma shall complete the units as set out in the appropriate diploma area in chapter 14, Yooroang Garang, School of Indigenous Health Studies.

Graduate diplomas and graduate certificates

Subject areas

1. (1) The Graduate Diploma of Health Science may be taken in the following subject areas:
   (i) Behavioural Science
   (ii) Child and Adolescent Health
   (iii) Community Health
   (iv) Education
   (v) Exercise and Sport Science
   (vi) Gerontology
   (vii) Health Information Management
   (viii) Indigenous Community Health
   (ix) Manipulative Physiotherapy
   (x) Medical Radiation Sciences
   (xi) Medical Sonography
   (xii) Physiotherapy
   (xiii) Sports Physiotherapy
   (xiv) Vision Impairment

   (2) A Graduate Diploma may be taken in the following subject area:
   (i) Rehabilitation Counselling.

   (3) The Graduate Certificate of Health Science may be taken in the following areas:
   (i) Behavioural Science
   (ii) Casemix
   (iii) Child and Adolescent Health
   (iv) Clinical Data Management
   (v) Education
   (vi) Exercise and Sport Science
   (vii) Indigenous Community Health
   (viii) Medical Radiation Sciences
   (ix) Medical Sonography
   (x) Occupational Therapy
   (xi) Physiotherapy
   (xii) Vision Impairment.

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the head of school or centre concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant is:
   (a) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies;
   (b) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty;
   (c) who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, has the appropriate time available and meets any additional requirements for admission to a particular program that have been prescribed by the Faculty.

   (2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature for the graduate diploma or graduate certificate in accordance with the provision of Chapter 10 of the by-laws.

Availability

3. Admission to candidature for a graduate diploma or graduate certificate or any program within those diplomas or certificates may be limited by quota.
4. In determining any quota the University will take into account:
   (a) availability of resources including space, library, equipment and computing facilities; and
   (b) availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.
5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.
6. Before recommending the admission of any applicant the head of the school concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
   (2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Time limits

9. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

Credit

10. (1) The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
    (a) deem such time to have been time spent after admission to candidature; and
    (b) grant credit towards the graduate diploma or graduate certificate on the basis of a course or courses regarded as equivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.

Enrolment

11. (1) A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the graduate diploma or graduate certificate are completed or the candidature terminated;
    (2) A candidate readmitted to candidature after an absence of more than one year shall complete the graduate diploma or graduate certificate under such conditions as the Faculty shall determine.

Requirements of the Degree

12. A candidate for the graduate diploma or graduate certificate shall complete the courses for the graduate

diploma or graduate certificate as prescribed by the Faculty and set out in the table of courses.

13. On completion of the requirements for the graduate diploma or graduate certificate the head of school concerned, shall report the results of the examination of the coursework to the Faculty which shall determine the results of the candidature.

Progress

14. The Faculty may, on the recommendation of the head of school or centre concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the graduate diploma or graduate certificate and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

CHAPTER 21

Undergraduate code of practice

Introduction

The University of Sydney is an institution of higher education in which the quality of teaching and learning are of the highest standard. Major Goal 1 in the University Plan 1994-2004 states: 'The University of Sydney will maintain and enhance its position as an outstanding provider of high quality undergraduate and postgraduate teaching, both in Australia and internationally'. The University acknowledges its responsibility to provide a stimulating and challenging intellectual environment for all students. The following code of practice, which is designed to complement the University Code of Practice for Supervision of Postgraduate Research Candidates, sets out the general responsibilities of the University, faculties or colleges, departments or schools, and individual teachers in creating that environment. The following guidelines must be read in conjunction with University regulations for particular degrees, the defined roles of heads of departments and schools, deans and faculties and colleges, the Policy Documents on Teaching Activities and Degree Programs and Courses adopted by the Academic Board in 1994, and the AVCC Guidelines for Good Practice in Fourth Year Honours Programs.

A. Responsibilities at the University level

The University has the responsibility

a. to ensure that appropriate University policies in respect of undergraduate teaching, learning and assessment are developed, kept under review and are effectively promulgated
b. abide by the University's policies on occupational health and safety so that students study and work in a safe and healthy environment
c. to ensure that adequate support services and hardware resources are available in such areas as learning assistance and information technology
d. to ensure that adequate development opportunities in teaching, learning and assessment practices are available to teachers of undergraduates through the Centre for Teaching and Learning, and/or through programs developed by departments, faculties and clinical schools
e. to ensure that clear policies exist with respect to the intellectual property rights of students and that students are aware of those rights
f. to ensure that all students are free in all matters relevant to enrolment, assessment and membership of the University community from discrimination or harassment on the basis of race, gender, age, political or sexual preference, marital status, religion, disability or personal beliefs
g. to uphold the AVCC Guidelines for Effective University Teaching
h. to have students on appropriate University committees, who will be provided with the same information as all other committee members, to enhance their effectiveness
i. to uphold information privacy principles relevant to personal student information in accordance with the University's policy on privacy and current legislation, including Freedom of Information
j. to provide a timetabled study vacation period of at least one week before each end of semester examination period- except in those faculties where this practice is inappropriate
k. to ensure a quality learning environment, including appropriate and properly maintained facilities.

B. Responsibilities at the College or Faculty level

The Faculty or College has the responsibility

a. to ensure that applicants for admission to candidature are properly qualified with respect to the minimum requirements for entry to the program concerned and with respect to the particular course of study proposed
b. to ensure the appropriate timing of compulsory subjects and the availability of sufficient optional subjects so that a student passing all subjects at the first attempt may complete the course of study within the specified minimum time
c. to contribute to course, academic staff and curriculum development through conducting regular evaluation processes, including student evaluations. Reports on the results of student evaluations will be made available to the students in relation to curriculum development activities
d. where appropriate to have students on faculty or college committees, who will be provided with the same information as other committee members, to enable those students to be as effective as possible
e. to adhere to the procedures laid down by the Academic Board for developing new programs or making major changes to existing programs
f. regularly review assessment practices.

C. Responsibilities at the Departmental level

These responsibilities are those of the Head of Department/ School. They may however in many instances be delegated to an undergraduate coordinator or be exercised through a departmental committee. Such delegations must be clearly defined. The Department/School has the responsibility

a. to encourage staff to participate in workshops, seminars and forums relating to teaching (including those that relate to teaching cross culturally and acquiring skills in non-discriminatory teaching practice), learning and assessment organised by departments, faculties, clinical schools and/or the Centre for Teaching and Learning
b. to provide no later than the end of the first week of the commencement of a subject accurate written information concerning all relevant aspects of chosen subjects and to further provide written advice of the aims and objectives of each course, attendance and class requirements, the methods of assessment to be used and the weighting of that assessment
c. to return assessed written work (excluding examination scripts) within a reasonable time with comments appropriate to the assessment
d. to ensure that all assessment is appropriately related to the objectives of the subject
e. to grant special consideration or make special arrangements where performance is adversely affected by documented illness, disability or other serious cause
f. to provide access by appointment to academic staff outside timetabled class time
g. where appropriate to have students on departmental committees, who will be provided with the same information as other committee members, to enable them to be as effective as possible
h. to ensure that courses use relevant teaching and learning strategies, including, where appropriate, contemporary information and learning technology tools.

D. Responsibilities of students

Each student has a responsibility

a. to be familiar with both the legislative and other requirements for the degree as set out in the faculty handbooks, or included in any other published departmental and faculty guidelines
b. to ensure that all administrative requirements of the faculty and University, such as re-enrolling each year, are met
c. to adhere to attendance and assessment requirements that are prescribed by the University, faculty and department/ school

d. to adhere to the relevant by-laws and rules relating to ethical behaviour and good conduct that are prescribed by the University and relevant professional bodies.

Copies of this policy can be obtained at www.usyd.edu.au/su/planning/policy/.

General University information (Camperdown campus)

See also the Glossary for administrative information relating to particular terms.

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) 9351 4869
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 may 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: ces@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 2006
Phone: (02) 9351 0706
Fax: (02) 9351 0701
Email: info@cet.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/childcare

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 dieir 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 access 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 aright of appeal against particular decisions; for example, mere is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.
- A document outhning 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) 9351 5062
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

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@hbrary.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@hbrary.usyd.edu.au
Biochemistry Library
Biochemistry Building, G08
Phone: (02) 9351 2231
Fax: (02) 93517699
Email: biochemistry@Ubrary.usyd.edu.au
Burkitt-Ford Library
Sir Edward Ford Building, A27
Phone: (02) 9351 4364
Fax: (02) 9351 7125
Email: burkittford@Ubrary.usyd.edu.au
Camden Library
University Farms, Camden, C15
Phone: (02) 9351 1627
Fax: (02) 4655 6719
Email: camden@library.usyd.edu.au
Chemistry Library
Chemistry Building, Fl 1
Phone: (02) 9351 3009
Fax: (02) 9351 3329
Email: chemistry@Ubrary.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 RusseU 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@Ubrary.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

Orange Library
Leeds Parade, Orange
Phone: (02) 6360 5594
Fax: (02) 6360 5637
Email: lib@orange.usyd.edu.au
Pharmacy Library
Pharmacy Building, A15
Phone: (02) 9351 2333
Fax: (02) 9351 4445
Email: pharmacy@library.usyd.edu.au
Physics Library
New Wing, Physics Building, A29
Phone: (02) 9351 2550
Fax: (02) 9351 7767
Email: physics@library.usyd.edu.au
Power Research Library
Mills Building, A26
Phone: (02) 9351 2148
Fax: (02) 9351 7323
Email: john.spencer@arthist.usyd.edu.au
Sydney College of the Arts Library
Balmain Rd, Rozelle, N01
Phone: (02) 9351 1036
Fax: (02) 9351 1043
Email: scalib@sca.usyd.edu.au
Sydney Conservatorium of Music Library
109 Pitt St, Sydney, C41
Phone: (02) 9230 3701
Fax: (02) 9230 3707
Email: csymes@conmusic.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply), and provides on-going support during the year through individual assistance and small group tutorials.
Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4061
Fax: (02) 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/su/mlc

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 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/. 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

Level 1, Carslaw, F07
The University of Sydney
NSW 2006 Australia
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-entrolled. 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.
Room 711, Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Web: www.usyd.edu.au/su/stuserv

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.

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

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, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2907
Fax: (02) 9351 5022
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.unihealm.usyd.edu.au/

Koori Centre and Yooroang 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, Portugese, 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, GO 1
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

Glossary

This glossary describes terminology in use at the University of Sydney.

Academic Board
The Academic Board is the senior academic body within the University. In conjunction with Faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and Units of Study (UoSs), and policy relating to the admission of students. (For further information, see the University Calendar)

Academic Cycle
The Academic Cycle is the program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for 1st Semester through to the completion of the processing of results at the end of 2nd Semester.
(See also Stage)

Academic Record
The Academic Record is the complete academic history of a student at the University. It includes, among other things, personal details, all Units of Study and Courses taken, assessment results (marks and grades), awards and prizes obtained, infringements of progression rules, approvals for variation in course requirements and course leave, thesis and supervision details.

Access to a student's Academic Record is restricted to authorised University staff. A student's Academic Record is not released to a third party without the written authorisation of the student.
(See also Academic Transcript)

Academic Transcript
An Academic Transcript is a printed statement setting out a student's academic record at the University. There are two forms of Academic Transcripts: External and Internal.
(See also External Transcript, Internal Transcript)

Academic Year
An Academic Year is a normal full-time program taken in a course in a year. Some courses consist of stages, which may readily be equated with Academic Year. Others use the aggregation of credit points to do this (eg, 48 credit points = an Academic Year).
(See also Academic Cycle, Stage)

Addresses
All enrolled students need to have a current postal address recorded on FlexSIS to which all Official University correspondence is sent.
(See also Business Address, Permanent Home Address, Semester Address, Temporary Address)

Admission
Admission is governed by the University's Admission Policy and is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission (deferment)
An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission Basis
The main criterion used by a Faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies, work experience, Special Admission and the Universities Admission Index (UAI).

Admission Mode
Admission Mode is a classification based on how a student was admitted to a course, for example 'UAC or 'direct'.

Admission Period
The period during which applications for admission to courses are considered. The main Admission Period takes place before the first semester, but there may also be an Admission Period for mid year applicants before the beginning of the second semester and other Admission Periods.

Admission Reply
A code used by FlexSIS to indicate whether an applicant who has received an offer has accepted the offer or not.

Admission Result
A code used by FlexSIS to indicate the result of a direct application to study at the University (eg, Offer, Unsuccessful, Withdrawn).

Admission Year
The year the student began the course.

Advanced Diplomas
(See Award Course)

Advanced Standing
(See Credit)

Advisor
A member of academic staff appointed in an advisory role for some postgraduate coursework students.
(See also Associate Supervisor, Instrumental Supervisor (teacher), Research Supervisor, Supervision)

Annual Progress Report
The Annual Progress Report is a form issued by Faculties which is used to monitor a research student's progress each year. The form provides for comments by the student, the Supervisor, the Head of the Department and the Dean (or nominee). The completed form is attached to the student's official file.

FlexSIS records that the form has been sent out and that it has been satisfactorily completed.

APA
Australian Postgraduate Awards. *(See also* Scholarships, UPA)

Appeals
Students may lodge appeals against academic or disciplinary decisions. FlexSIS will record an academic appeal (eg, against exclusion) while they are under consideration and will record the outcome of the appeal. Disciplinary (that is, non-academic) appeals are not recorded on FlexSIS.

Assessment
The process of measuring the performance of students in UoSs and courses. The assessment of performance in a UoS may include examinations, essays, laboratory projects, or assignments.
(See also Board of Examiners, Result Processing, Result Processing Schedule)

Associate Supervisor
A person who is appointed in addition to the Supervisor of a research student who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision.
(See also Advisor, Instrumental Supervisor (teacher), Research Supervisor, Supervision)

Assumed Knowledge
For some Units of Study, a student is assumed to have passed a relevant subject at the HSC and this is called Assumed Knowledge. While students are generally advised against taking a Unit of Study for which they do not have the assumed knowledge, they are not prevented from enrolling in the Unit of Study.
(See also Prerequisite)

Attendance Mode
Refers to whether a Unit of Study is taken by the student internally (ie, by attending classes at a campus of the university) or externally (ie, remotely by correspondence or other distance education means). While most Units of Study are offered internally, the Faculty of Health Sciences and the Orange Agricultural College offer Units of Study externally.

Attendance Type
Refers to whether the student is studying part-time or full-time. For coursework students this is a function of course load - ie, the proportion being undertaken by the student of the normal full-time load specified for the course in which the student is enrolled. To be considered full-time, a coursework student must undertake at least 0.75 of the normal full-time load over the academic cycle or at least 0.375 if only enrolling in half of an academic year (one semester). It is important to note, however, mat, for some purposes, to be considered full-time a student may need to be enrolled in at least 0.375 in each session. Research students, with the approval of their Faculty, nominate whether they wish to study part-time or full-time. The Attendance Status is then recorded on FlexSIS as part of the application or enrolment process.
{*See also* Coursework, Student Load)

AusAID
Australian Agency for International Development.

Award Course
An award course is a formally approved program of study that can lead to an academic award granted by the University. The University broadly classifies courses as Undergraduate and Postgraduate (research and coursework). The Award Courses offered by the University are:
Higher Doctorates
Doctor of Philosophy (PhD)
Doctorates by research and advanced coursework
Master's Degree
Graduate Diploma
Graduate Certificate
Bachelor's Degrees
Advanced diplomas
Diplomas
Certificates
{*See also* Major, Minor and Stream)

Bachelor's Degree
The highest undergraduate award offered at the University of Sydney. A Bachelor's degree course normally requires three or four years of full-time study (or the part-time equivalent).
{*See also* Award Course)

Barrier
A barrier is an instruction placed on a student's FlexSIS record that prevents the student from re-enrolling or graduating.
{*See also* Deadline (fees), Suppression of Results)

Board of Examiners
A Board of Examiners was a body appointed by a Faculty or Board of Studies which met to approve the results of all students undertaking Courses supervised by that Faculty or Board of Studies. Boards of Examiners were dis-established following revision of the University's examination procedures in 2000.
{*See also* Assessment, Result Processing, Result Processing Schedule)

Board of Studies
An academic body which supervises a course or courses and which is similar to a Faculty except that it is headed by a Chair rather than a Dean and does not supervise PhD candidates.

Bursaries
{*See* Scholarships)

Business Address
FlexSIS can record a student's Business Address and contact details.
{*See also* Addresses, Permanent Home Address, Semester Address, Temporary Address)

Cadigal Program
The Cadigal Program is a University wide access and support scheme for Aboriginal and Torres Strait Islanders.

Campus
The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Australian Graduate School of Management), Camperdown and Darlington ('Main Campus'), Camden (Agriculture and Veterinary Science), Conservatorium (Conservatorium of Music), Cumberland (Health Sciences), Mallett Street (Nursing), Orange (Faculty of Rural Management), Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Census date
{*See* HECS Census Date)

Ceremony
{*See* Graduation Ceremony)

Chancellor
The non-executive head of the University. An honorary position, the Chancellor chairs meetings of the University's governing body, the Senate, and presides over graduation ceremonies amongst other duties.

Class list
A listing of all Currently Enrolled students in a particular Unit of Study.
{*See also* Unit of Study)

Combined Course
A course which leads to two awards. For example the Arts/ Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree
{*See* Combined Course)

Commencing Student
A student enrolling in an award course at the University of Sydney for the first time. The DETYA Glossary provides a more detailed definition.

Compulsory Subscription Rates
There are two rates for some annual subscriptions: full-time and part-time.
{*See also* Compulsory Subscriptions)

Compulsory Subscription Waiver Provision
Certain students over a certain age or with disabilities or medical conditions may be exempted from the subscription to the sports body.

Students with a conscientious objection to the payment of subscriptions to Unions of any kind may apply to the Registrar for exemption. The Registrar may permit such a student to make the payment to the Jean Foley Bursary Fund instead.
{*See also* Compulsory Subscriptions)

Compulsory Subscriptions
Each enrolled student is liable to pay annual (or semester) subscriptions as determined by the Senate to the student organisations at the University. These organisations are different on different campuses. There are different organisations for undergraduate and postgraduate students.

At the Main Campus, compulsory submissions depend on the level of study:

- Undergraduate - the University of Sydney Union, Students Representative Council (SRC) and the University Men's Sports Union or the University Women's Sports Association.
- Postgraduate - the University of Sydney Union and the Sydney University Postgraduate Representative Association (SUPRA).

At other campuses, student organisations include:

- the Cumberland Student Guild
- student organisations at Orange Agricultural College and the Sydney College of the Arts.

{*See also* Compulsory Subscription Rates, Compulsory Subscription Waiver Provision, Joining Fee, Life membership)

Confirmation of Enrolment Status Form
A Confirmation of Enrolment Status Form is issued to students after enrolment showing the course and the UoSs they are enrolled in, together with the UoS credit point value of the UoSs and the HECS weights. Until all fees are paid, it is issued provisionally.

A new Confirmation of Enrolment form is produced every time a student's enrolment is varied.
For Postgraduate Research students the form also lists candidature details and Supervisor information.

Where students have an appointed adviser, the adviser information is also shown.

Convocation
Convocation is the body comprising all graduates of the University.

Core Unit of Study
A Unit of Study (UoS) that is compulsory for the course or subject area.
(See also Unit of Study (UoS))

Corequisite
A Corequisite is a Unit of Study, which must be taken in the same semester or year as a given Unit of Study (unless it has already been completed). These are determined by the Faculty or Board of Studies concerned, published in the Faculty Handbook and shown in FlexSIS.
(See also Prerequisite, Waiver)

Course
(See Award Course)

Course Alias
Each course in FlexSIS is identified by a unique five-digit Alpha-Numeric code.

Course Code
(See Course Alias)

Course Leave
Students (undergraduate and postgraduate) are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising Faculty for a minimum of one semester and recorded on FlexSIS Qeave f_{or} periods of less than one semester should be recorded internally by the Faculty). Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to reapply formally for admission. In respect of research students the term 'Suspension of Candidature' was previously used to describe students on course leave.

Course (Research)
A classification of courses in which students undertake supervised research leading to the production of a thesis or other piece of written or creative work over a prescribed period of time. The research component of a research course must comprise 66% or more of the overall course requirements.

Course Rules
Course Rules govern the allowable enrolment of a student in a Course; eg, a candidate may not enrol in Units of Study having a total value of more than 32 credit points per semester. Course Rules also govern the requirements for the award of the Course; eg, a candidate must have completed a minimum of 144 credit points. Course Rules may be expressed in terms of types of Units of Study taken, length of study, and Credit Points accumulated.

Course Suspension
(See Course Leave)

Course Transfer
A Course Transfer occurs where a student changes from one course in the University to another course in the University without the requirement for an application and selection (eg, from a PhD to a Master's program in the same Faculty).

Course Type
Course Type is a DETYA code.

Coursework
Coursework is a classification Used to describe those courses that consist of UoSs rather than research work. All Undergraduate courses are coursework programs. Postgraduate courses can be either research courses or coursework courses.
(See also Course (Research)

Credit
Students admitted to a course at the University may be granted Advanced Standing based on previous attainment in another course at the University, or at another institution. The credit points granted count towards the course.

Credit may be granted as specific credit or non-specific credit.

Specific credit is the recognition of previously completed studies as directiy equivalent to UoSs. Specific credit is recorded on FlexSIS as credit for a particular UoS or UoSs.

Non-Specific credit takes the form of a 'block credit' for a specified number of credit points at a particular level (eg, 12 Junior level credit points). These credit points may be in a particular subject area. The credit is not hnked to a specific UoS.
(See also Waiver)

Credit Points
Credit Points are a measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as a total Credit Point value. Each Unit of Study will have a Credit Point value assigned to it, normally in the range 3 to 24. Resolutions of Senate set the number and level of Credit Points required for graduation.

Cross-institutional Enrolment
Cross-institutional Enrolment is an enrolment in Units of Study at one university to count towards an award course at another university. Cross-institutional enrolments incur a HECS liability or tuition fee charge at the institution at which the UoS is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university - ie, the university which will award their degree).

DAC (Data Audit Committee)
DAC is a sub-committee of the VCAC Enrolment Working Party, chaired by the Registrar, with membership including the Deans, the Student Centre, FlexSIS and the Planning Support Office. Its role is to oversee the integrity and accuracy of the Course and Unit of Study data as strategic university data. It has a role in advising the Academic Board on suggested policy changes with relation to Course and Unit of Study data.

Deadlines (enrolment variations)
(See Enrolment Variations)

Deadlines (fees)
The University has deadlines for the payment of fees (eg, HECS, Compulsory Subscriptions, course fees etc). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record.
(See also Barrier)

Dean
The head of a Faculty or the principal or director of a College (such as the Conservatorium of Music or the Sydney College ofArts).

Dean's Certificate
A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all Faculties use Deans' Certificates. In Faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

DETYA
The Department of Education Training and Youth Affairs is the Commonwealth Government Department responsible for Higher Education. The University is required to provide DETYA with information about its students three times a year. The Government in its funding deliberations uses this information.

Deferment
(See Admission (deferment), Leave)

Degree
(See also Award Course, Bachelor's Degree)

Department
For the purposes of FlexSIS, a Department is the academic unit, which is responsible for teaching and examining a UoS. It may be called a School, a Department, a Centre or a Unit within the University.

Differential HECS
(See Higher Education Contribution Scheme (HECS))

Diploma
The award granted following successful completion of Diploma course requirements. A Diploma course usually requires less study than a degree course. Graduate Diploma courses are only available to students who already hold an undergraduate degree.
(See also Award Course)

Direct Admissions
For some courses, applications may be made directly to the University. Applications are received by Faculties or the International Office, registered on FlexSIS and considered by the relevant Department or Faculty body. Decisions are recorded on FlexSIS and FlexSIS produces letters to applicants advising them of the outcome.
(See also Admission, UAC Admissions)

Disability Information
Students may inform the University of any temporary or permanent disability, other than a financial disability, which affects their life as a student. Disability Information is recorded in FlexSIS but it is only visible to particular authorised users because of its sensitive nature.

Discipline Codes
Discipline Codes are four-letter codes for each area of study available at the university (eg, CHEM Chemistry, ECON Economics)

Discipline Group
A DETYA code used to classify UoSs in terms of the subject matter being taught or being researched.

Discontinuation (Course)
(See Enrolment Variation)

Discontinuation (Unit of Study)
(See Enrolment Variation)

Dissertation
A Dissertation is a written exposition of a topic and may include original argument substantiated by reference to acknowledged authorities. It is a required Unit of Study for some postgraduate award courses in the Faculties of Architecture and Law.

Doctor of Philosophy (PhD)
(See Award Course, Doctorate, PhD)

Doctorate
The Doctorate and the PhD are high-level postgraduate awards available at the University of Sydney. A Doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a Doctorate course often requires completion of a Master's degree course. Note that the Doctorate course is not available in all Departments at the University of Sydney.
(See also Award Course, PhD)

Earliest date
(See Research Candidature)

EFTSU
The Equivalent FuU-Time Student Unit (EFTSU) is a measure of student load expressed as a proportion of the workload for a standard annual program for a student undertaking a full year of study in a particular award course. A student undertaking the standard annual program of study (normally 48 credit points) generates one EFTSU.

EFTYR
The Effective Full-time Enrolment Year (EFTYR) is a calculation of how long, in terms of equivalence to full-time years of enrolment, a student has been enrolled in a course. If a student has always been full-time, the calculation is straightforward (for example, the fifth year of enrolment is EFTYR 5). If the student has had a mixture of part-time and full-time enrolment, this can be equated with an EFTYR.
(See also Stage)

Enrolment
A student enrolls in a course by registering with the Supervising Faculty in the Units of Study to be taken in the coming year, semester or session. The student pays whatever fees are owing to the University by the deadline for that semester. New students currently pay on the day they enrol which is normally in early February. Students already in a course at the University re-enrol each year or semester; for most students Pre-enrolment is required.
(See also Pre-enrolment)

Enrolment Non Award
Non Award enrolment is an enrolment in a Unit or Units of Study, which does not count towards a formal award of the University. Normally Tuition Fees are levied on non-award Units of Study.

Enrolment Status
A student's enrolment status is either:
- Enrolled; or
- Not enrolled

An enrolment status is linked to an enrolment status reason or category.

Enrolment Status Reason/ Category
Not enrolled status reasons/categories include: Withdrawn, Totally Discontinued, Cancelled, on Leave (suspended), Transferred, Lapsed, Terminated, Qualified and Conferred.

Enrolment Variation
Students may vary their enrolment at the beginning of each semester. Each Faculty determines its deadlines for variations, but HECS liability depends on the HECS Census Date. *(See also* HECS)

Enrolment Year
See EFTYR, Stage

Examination
See Examination Paper Code, Examination Period, Supplementary Exams

Examination Paper Code
A code that identifies each individual examination paper. Used to help organise examinations.

Examination Period
The Examination Period is the time set each semester for the conduct of formal examinations.

Exchange Student
An Exchange student is either a student of this University who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Students at this University will have recorded on their academic record the fact that they have participated in an exchange program.

Exclusion
The Faculty may ask a student whose academic progress is considered to be unsatisfactory to Show Cause why the student should be allowed to re-enrol. If the Faculty deems the student's explanation unsatisfactory or if the student does not provide an explanation the student may be excluded either from a Unit of Study or from a course. An excluded student may apply to the Faculty for permission to re-enrol. Normally at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the Calendar.
(See also Senate Appeals)

External
See Attendance Mode

External Transcript
An External Transcript is a certified statement of a student's academic record printed on official university security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all UoSs attempted within each course together with the UoS result (but not any UoS which has the status of Withdrawn). It also includes any scholarships or prizes the student has received. Two copies are provided to each student on graduation (one with marks and grades for each UoS and one with grades only). External transcripts are also produced at the request of the student. The student can elect either to have marks appear on the transcript or not.
(See also Academic Transcript, Internal Transcript)

Faculty
A Faculty, consisting mainly of academic staff members and headed by a dean, is a formal part of the University's academic governance structure, responsible for all matters concerning the award courses that it supervises (see the 1999 Calendar, pp 110-111). Usually, a Faculty office administers the Faculty and student or staff inquiries related to its courses. The Calendar sets out the constitution of each of the University's 17 Faculties.
(See also Board of Studies, Supervising Faculty)

Fail
A mark of less than 50% which is not a Concessional Pass.
(See also Results)

Fee Paying Students
Fee Paying Students are students who pay tuition fees to the University and are not liable for HECS.

Fee Rate
Local fees are charged in bands, a band being a group of subject areas. The bands are recommended by Faculties and approved by the DV-C (Planning and Resources).

Fee Type
Fee Type can be International or Local.

FlexSIS
FlexSIS is the computer-based Flexible Student Information System at the University. FlexSIS holds electronically details of courses and UoSs being offered by the University and the complete academic records of all students enrolled at the University. FlexSIS also holds the complete academic records of many (but not all) past students of the university. For past students whose complete records are not held on FlexSIS, there will be a reference on FlexSIS to card or microfiche records where details are kept.

Full-Time Student
(See Attendance Status, EFTSU)

Grade
A Grade is a result outcome for a Unit of Study normally linked with a mark range. For example, in most Faculties, a mark in the range 85-100 attracts the Grade 'High Distinction' ('HD').
(See also Mark)

Graduand
A Graduand is a student who has completed all the requirements for an award course but has not yet graduated.
(See also Graduation, Potential Graduand)

Graduate
A Graduate is a person who holds an award from a recognised tertiary institution.
(See also Graduand, Graduation)

Graduate Certificate
(See Award Course)

Graduate Diploma
(See Award Course)

Graduate Register
The Graduate Register is a list of all graduates of the University.
(See also Graduation)

Graduation
Graduation is the formal conferring of awards either at a ceremony or in absentia.
(See also In absentia, Potential Graduand)

Graduation Ceremony
A Graduation Ceremony is a ceremony where the Chancellor confers awards upon graduands. The Registrar publishes annually the schedule of graduation ceremonies.

HECS
See Higher Education Contribution Scheme (HECS)

HECS Census Date
The date at which a student's enrolment, load and HECS liability are finalised before reporting to DETYA. The following dates apply:
- 1st Semester, 31 March
- 2nd Semester, 31 August

HECS Code
A code used by DETYA to identify the HECS status of a student (eg, 10 Deferred, 11 Upfront).

Higher Doctorates
(See Award Course)

Higher Education Contribution Scheme (HECS)
All students, except international students, local fee-paying students and holders of certain scholarships are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme (HECS). HECS liability depends on the load being taken.

Current students, except possibly those who began their studies prior to 1997, have a HECS rate charged for each Unit of Study in their degree program which depends on the 'discipline group' it is in, and the 'band' to which the Government has assigned it. Theses are all determined annually by the Government.

Honorary Degrees
A degree Honoris Causa (translated from the Latin as 'for the purpose of honouring') is an honorary award, which is conferred on a person whom the University wishes to honour.

A degree Ad Eundem Gradum (translated as 'at the same level') is awarded to a member of the academic staff who is not a graduate of the University in recognition of outstanding service to the University. The award of an honorary degree is noted on the person's academic record.

Honours
Some degrees may be completed 'with Honours'. This may involve either the completion of a separate Honours Year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a Class (Class 1, Class II, Class 1H) and sometimes there are two divisions within Class H.

HSC
The HSC is the NSW Higher School Certificate, which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

In absentia
In absentia is Latin for 'in the absence of. Awards are conferred in absentia when a graduand does not, or cannot, attend the graduation ceremony scheduled for them.

Those who have graduated in absentia may later request mat they be presented to the Chancellor at a graduation ceremony.
(See also Graduation)

Instrumental Supervisor (teacher)
All students at the Conservatorium of Music and BMus students on the Camperdown campus have an instrumental teacher appointed.
(See also Advisor, Associate Supervisor, Research Supervisor, Supervision.)

Internal
(See Attendance Mode)

Internal Transcript
An Internal Transcript is a record of a student's academic record for the University's own internal use. It includes the student's name, SID, address, all courses in which the student was enrolled and the final course result and all UoSs attempted within each course togedier with the UoS result.
(See also Academic Transcript, External Transcript)

International Student
An International Student is required to hold a visa to study in Australia and may be liable for international tuition fees. Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. New Zealand citizens are not classified as international students but have a special category under HECS mat does not permit them to defer their HECS liability.
(See also Local Student, Student Type)

Joining Fee
Students enrolling for the first time pay, in addition, a joining fee for the University of Sydney Union or equivalent student organisation.
(See also Compulsory Subscription)

Leave
(See Course Leave)

Life membership
Under some circumstances (eg, after five full-time years of enrolments and contributions) students may be granted life membership of various organisations, which means they are exempt from paying yearly fees.
(See also Compulsory Subscription)

Load
Load for an individual student is the sum of the weights of all the UoSs in which the student is enrolled.
(See also EFTSU, HECS)

Local Student
A Local Student is either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their HECS upfront.
(See also Fee type, HECS, International Student)

Major
A Major is a defined program of study, generally comprising specified Units of Study from later stages of the Award Course. Students select and transfer between Majors by virtue of their selection of Units of Study. One or more Majors may be prescribed in order to satisfy course requirements.
(See also Award Course, Minor and Stream)

Major Timetable Clash
Used by FlexSIS to denote occasions when a student attempts to enrol in Units of Study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units together.

Mark
An integer (rounded if necessary) between 0 and 100 inclusive, indicating a student's performance in a UoS.
(See also Grade)

Master's Degree
A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an Honours year at an undergraduate level.
(See also Award Course)

Method of candidature
A course is either a research course or a coursework course and so the Methods of Candidature are 'Research' and 'Coursework'.
(See also Course, Course (Research), Coursework)

Minor
A Minor is a defined program of study, generally comprising Units of Study from later stages of the Award Course and requiring a smaller number of Credit Points than a Major. Students select and transfer between Minors (and Majors) by virtue of tiheir selection of Units of Study. One or more Minors may be prescribed in order to satisfy course requirements.
(See also Award Course, Major and Stream)

Minor Timetable Clash
Used by FlexSIS to denote occasions when a student attempts to enrol in Units of Study which have some identical times of teaching.

Mutually Exclusive Units of Study
(See Prohibited Combinations of Units of Study)

MyUni
MyUni is a personalised space for staff and students on the University of Sydney's intranet, called USYDnet. MyUni is used to deliver information and services directly through a central location, while also allowing users to customise certain information. Students are able to access such services as Exam Seat Numbers, Results, Timetables and FlexSIS Enrolment Variations on MyUni.

Non Award
(See Enrolment - Non Award)

OPRS
Overseas Postgraduate Research Scholarship.

Orientation Week
Orientation or 'O Week', takes place during the week prior to lectures in Semester 1. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

Part-time student
(See Attendance Status, EFTSU)

Permanent Home Address
The Permanent Home Address is the address for all official University correspondence both inside and outside of Semester time (eg, during Semester breaks), unless overridden by Semester Address.
(See also Addresses, Business Address, Semester Address, Temporary Address)

PhD
The Doctor of Philosophy (PhD) and other Doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a Master's degree course. Note that the PhD course is available in most departments in the University of Sydney.
(See also Award Course, Doctorate)

Postgraduate
A term used to describe a course leading to an award such as Graduate Diploma, a Master's Degree or PhD, which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course.

Potential Graduand
Potential Graduands are students who have been identified as being eligible to graduate on the satisfactory completion of their current studies.
(See also Graduand, Graduation)

Pre-enrolment
Pre-enrolment takes place in October for the following year. Students indicate their choice of UoS enrolment for the following year. After results are approved, registered students are regarded as enrolled in those UoSs they chose and for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing or comply with other requirements by the due date. Re-enrolling students who do not successfully register in their Units of Study for the next regular session are required to attend the University on set dates during the January/February enrolment period. Pre-enrolment is also known as Provisional Re-enrolment. *{See also* Enrolment)

Prerequisite
A prerequisite is a Unit of Study that is required to be completed before another UoS can be attempted. *{See also* Assumed Knowledge, Corequisite, Waiver)

Prizes
Prizes are awarded by the University, a Faculty or a Department for outstanding academic achievement. Full details can be found in the University Calendar.

Probationary Candidature
A Probationary Candidate is a student who is enrolled in a postgraduate course on probation for a period of time up to one year. The Head of Department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the Faculty.

Progression
{See Course Progression)

Prohibited Combinations of Units of Study
When two or more Units of Study contain a sufficient overlap of content, enrolment in any one such Unit prohibits enrolment in any other identified Unit. A Unit related in this way to any other Unit is linked in Tables of Units of Study via use of the symbol N to identify related prohibited Units.

Provisional Re-enrolment
{See Pre-enrolment)

Qualification
A qualification is an academic attainment recognised by the University.

Registrar
The Registrar is responsible to the Vice-Chancellor for the keeping of official records and associated policy and procedures within the University. *{See* the University Calendar for details.)

Registration
In addition to enrolling with the Faculty in Units of Study, students must register with the Department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Research Course
{See Course (Research))

Research Supervisor
A Supervisor is appointed to each student undertaking a research postgraduate degree. The person will be a full-time member of the academic staff or a person external to the University appointed in recognition of their association with the clinical teaching or the research work of the University. A Research Supervisor is commonly referred to as a Supervisor. *{See also* Advisor, Associate Supervisor, Instrumental Supervisor (teacher), Supervision)

Resolutions of Senate
Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic or administrative matters.

Result Processing
Refers to the processing of assessment results for UoSs. Departments tabulate results for all assessment activities of a UoS and assign preliminary results for each UoS. Preliminary results are considered by the relevant Board of Examiners, which approves final results. Students are notified of results by result notices that list final marks and grades for all UoSs. *{See also* Assessment, Examination Period)

Result Processing Schedule
The Result Processing Schedule will be determined for each Academic Cycle. It is expected that all Departments and Faculties will comply with this schedule. *{See also* Assessment, Examination Period, Result Processing)

Results
The official statement of the student's performance in each Unit of Study attempted, as recorded on the academic transcript, usually expressed as a grade.

HD
High Distinction, a mark of 85-100

D
Distinction, a mark of 75-84

CR
Credit, a mark of 65-74

P
Pass, a mark of 50-64

R
Satisfied requirements. This is used in Pass/Fail only outcomes

UCN
Unit of Study continuing. Used at the end of semester for UoSs that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the UoS.

PCON
Pass (Concessional), a mark of 46-49. Use of this grade is restricted to those courses that allow for a Concessional Pass of some kind to be awarded. A student may re-enrol in a Unit of Study for which the result was PCON. Each faculty will determine and state in its course regulations what proportion, if any, may count - eg, 'no more than one sixth of the total credit points for a course can be made up from PCON results'.

F
Fail. This grade may be used for students with marks from 46-49 in those faculties which do not use PCON.

AF
Absent Fail. Includes non-submission of compulsory work (or non- attendance at compulsory labs etc) as well as failure to attend an examination.

W
Withdrawn. Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a Unit of Study by the HECS Census Date (ie, within the first four weeks of enrolment).

DNF
Discontinued - Not to count as failure. Recorded on external transcript. This result applies automatically where a student discontinues after the HECS Census Date but before the end of the seventh week of the semester (or before half of the Unit of Study has run, in the case of Units of Study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.

DF
Discontinued - Fail. Recorded on transcript. This applies from the time DNF ceases to be automatically available up to the cessation of classes for the Unit of Study.

MINC
Incomplete, with a mark of at least 50. This result may be used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final mark and passing grade. Except in special cases approved by the Academic Board, this result will be converted to a normal passing mark and grade either:
(a) by the Dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy 'Examinations and Assessment Procedures'; or

(b) automatically to the indicated mark and grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for dieir incomplete status.

INC

Incomplete. This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either:

(a) by the Dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy 'Examinations and Assessment Procedures'; or

(b) automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.

UCN

Incomplete. A MINC or INC grade is converted, on the advice of the Dean, to UCN when all or many students in a Unit of Study have not completed the requirements of the Unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (eg, Honours).

Scholarships

Scholarships are financial or other forms of support made available by sponsors to assist Australian and international students to pursue their studies at the University. When a student's means are a criterion, scholarships are sometimes called bursaries.

(See also Prizes)

School

(See Department)

SCR

System Change Request.

Semester

A semester is the Academic Teaching period of approximately 14 weeks duration. All Units of Study have been semesterised, bodi at the undergraduate and postgraduate level, except for those components of final honours year or postgraduate courses relating to thesis or other similar research oriented projects for which two or more semesters are normally assigned for completion. Units of Study are taught and examined in eimer the first semester or the second semester (or in both semesters if the course is offered twice).

Semester Address

The Semester Address is the address to which all Official University correspondence is sent during semester time, if it is different to the Permanent Address. Unless overridden by a Temporary Address all Official University correspondence during Semester (including Session 4 for students enrolled in Summer School) will be sent to this address.

(See also Addresses, Business Address, Permanent Home Address, Temporary Address)

Senate

The Senate of the University is the governing body of the University.

(See the University Calendar)

Senate Appeals

Senate appeals are held for those students who, after being excluded by the Faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all omer avenues - ie, the Department, Faculty, Board of Study and, in the case of postgraduates, the Committee for Graduate Studies.

(See also Exclusion)

Session

A session is a defined teaching period of the University. The two major sessions are called semesters and are defined by the DETYA HECS Census date they contain (eg, first and second semester). The Academic Board must approve variation to the normal session pattern.

Session Address

(See Semester Address)

Special Consideration

Candidates who have medical or other serious problems, which may affect performance in any assessment, may request that diey be given Special Consideration in relation to the determination of their results.

They can obtain an official form from the Student Centre. The Student Centre stamps the form and the medical or other documentation. The student gives a copy of the material to the Student Centre staff and takes copies to the relevant Departments. The student retains the originals. The dates for which Special Consideration is sought are recorded on FlexSIS and printed on the Examination Register.

Special Permission

(See Waiver)

Sponsorship

Sponsorship is the financial support of a student by a Company or Government body. Sponsors are frequently invoiced directly.

Stage

For the purposes of administration, a course may be divided into stages to be studied consecutively. The stages may be related to sessions or mey may relate to an Academic Cycle. Part time students progress through a course more slowly and would often enrol in the same stage more than once.

Status

Status is a variable for students bom with relation to Course and Unit of Study. Widi relation to Course, students can have the status of Enrolled or Not Enrolled. Not Enrolled reasons can be Totally Discontinued, Withdrawn, Suspended, Cancelled, Awarded, etc. Wim relation to Unit of Study, students can have the status of CURENR or WITHDN, Discontinued, etc.

Stream

A Stream is a defined program of study, selected from a table of Units of Study. Students enrolled in award courses mat involve streams will have the stream recorded in their enrolment record. A student generally enters streams at the time of admission, although some award courses require students to enrol in streams after the completion of Level 1000. Students may transfer between Streams by altering their enrolment status within their Award Course, but only when permitted to do so by Faculty Resolution.

(See also Award Course, Major and Minor)

Student ID card

All students who enrol are issued wim an identification card. The card includes the student name, SID, the course code, and a library borrower's bar code. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student Identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student Load

(See Load)

Study Abroad Program

A scheme administered by the International Education Office which allows international students who are not part of an exchange program, to study UoSs at the University of Sydney, but not towards an award program. In most cases the UoSs studied here are credited towards an award at their home institution.

(See also Exchange Student)

SubjectArea
A Unit of Study may be associated with one or more Subject Areas. The SubjectArea can be used to define Prerequisite and Course Rules - eg, the Unit of Study 'History of Momoyama and Edo Art' may count towards the requirements for the Subject Areas 'Art History and Theory'or, 'Asian Studies'.

Supervising Faculty
The Supervising Faculty is the Faculty which has the responsibility for managing the academic administration of a particular course ie, the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising Faculty is the Faculty offering the course. However, in the case of combined courses, one of the two Faculties involved will usually be designated the Supervising Faculty at any given time. Further, in the case where one course is jointly offered by two or more Faculties (eg, the Liberal Studies course) a Joint Committee may make academic decisions about candidature and the student may be assigned a Supervising Faculty for administration.

The International Office has a supporting role in the administration of the candidatures of international students and alerts the Supervising Faculty to any special conditions applying to these candidatures (eg, that enrolment must be full-time).

{See also Board of Studies)

Supervision
Supervision refers to a one to one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the position.
(See also Advisor, Associate Supervisor, Instrumental Supervisor (teacher), Research Supervisor)

Supplementary Examination
(See Supplementary Exams)

Supplementary Exams
Supplementary exams may be offered by Faculties to students who fail to achieve a passing grade or who were absent from assessment due to illness or misadventure.

Suppression of Results
Results for a particular student can be suppressed by the University for the following reasons:
- the student has an outstanding debt to the University
- the student is facing disciplinary action.

Suspension
(See Course Leave)

Teaching Department
(See Department)

Temporary address
Students may advise the University of a Temporary Address. Correspondence will be sent to this address between the dates specified by the student.
(See also Addresses, Business Address, Permanent Home Address, Semester Address)

Testamur
A testamur is a certificate of award provided to a graduate usually at a graduation ceremony.

Thesis
A thesis is a major work that is the product of an extended period of supervised independent research.

'Earliest date' is the earliest date at which a research student can submit the thesis.

'Latest date' is the latest date at which a research student can submit the diesis.

Timetable
Timetable refers to the schedule of lectures, tutorials, laboratories and other academic activities mat a student must attend.

Transcript
(See Academic Transcript)

Transfer
(See Course Transfer)

Tuition Fees
Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

UAC
The Universities Admissions Centre (UAC) receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing undergraduate students at the University apply through UAC.

UAC Admissions
Most local undergraduates (including local undergraduate fee payers) apply through the Universities Admission Centre (UAC).

The University Admissions Office coordinates the processing of UAC applicants with Faculties and Departments and decisions are recorded on the UAC system.
Applicants are notified by UAC and an electronic file of applicants who have been made offers of admission to courses at the University is loaded onto FlexSIS.
(See also Admission, Direct Admissions)

UAI (Universities Admission Index)
The Universities Admission Index (UAI) is a number between 0.00 and 100.00 with increments of 0.05. It provides a measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC.

Undergraduate
A term used to describe a course leading to a Diploma or Bachelor's Degree. An 'undergraduate' is a student enrolled in such a course.

Unit of Study (UoS)
A Unit of Study is the smallest stand-alone component of a student's course that is recordable on a student's transcript. UoSs have an integer credit point value, normally in the range 3-24. Each approved UoS is identified by a unique sequence of eight characters, consisting of a four character alphabetical code which usually identifies the Department or subject area, and a four character numeric code which identifies the particular UoS. Units of Study can be grouped by subject and level.
(See also Core Unit of Study, Course, Major)

Unit of Study Enrolment Status
The UoS Enrolment Status indicates whether the student is still actively attending the UoS (ie, currently enrolled) or is no longer enrolled (withdrawn or discontinued)

Unit of Study Group
A grouping of Units of Study within a course. The Units of Study which make up the groups are defined within FlexSIS.

Unit of Study Level
Units of Study are divided into Junior, Intermediate, Senior, Honours, 5th Year, and 6th Year. Most Majors consist of 32 Senior Credit Points in a subject area (either 3000 level Units of Study or a mix of 2000 and 3000 level Units of Study).

University
Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal
A Faculty may recommend the award of a University Medal to students qualified for the award of an undergraduate Honours degree or some Masters degrees, whose academic performance is judged outstanding.

UoS
(See Unit of Study)

UPA
University Postgraduate Award.

USYDnet
USYDnet is the University of Sydney's intranet system. In addition to the customised MyUni service, it provides access to other services such as Directories (Maps, Staff and Student, Organisations), a Calendar of Events (to which staff and students can submit entries), and a software download area.

Variation of Enrolment
{See Enrolment Variation)

Vice- Chancellor
The chief executive officer of the whole University, responsible for its leadership and management. He is head of both academic and administrative divisions.

Waiver
In a prescribed course, a Faculty may waive the Prerequisite or corequisite requirement for a Unit of Study or the course rules for a particular student. Waivers do not involve a reduction in the number of credit points required for a course.
(See also Credit)

Weighted Average Mark (WAM)
The Weighted Average Mark (WAM) is the average mark in the UoSs completed, weighted according to credit point value and level. The formulae used to calculate the WAMs are course-specific: there are many different WAMs in the University.

Year of First Enrolment (YFE)
The year in which a student first enrols at the University.

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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 Officel **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, Planning and Allied Arts **22M**
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Arts Faculty Office **16F**
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Asian Studies **14F**
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Badham Bldg and Library **14E**
Banks *see* Financial institutions Baxter's Lodge **22E**
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Behavioural Science **Cumberland**
Behavioural Sciences in Medicine 7K
Biochemistry **20P**
Biological Sciences **15D**
Biomedical Science **Cumberland**
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- SRC Secondhand **19N**
- University Co-operative **21R**

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Bosch IB Bldg **7M**
Brennan, C. Bldg **15F**
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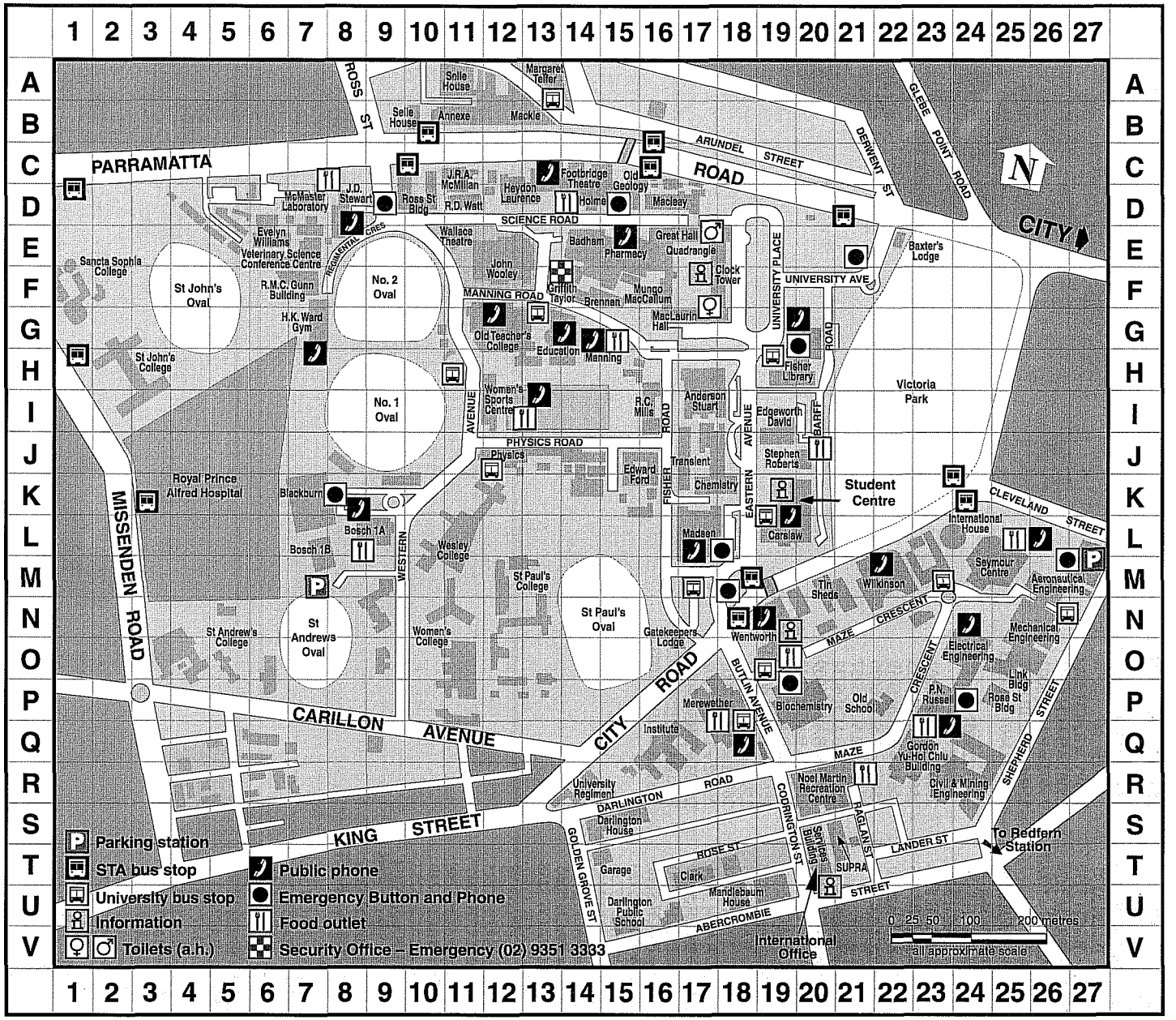
Business Liaison Office **12E**
Business Services **19U**
Campus Services **20T**
Careers Centre **13B**
Carslaw Bldg **19L**
Cashiers **13A**



Central Services **20T**
Central Records Office **16E**
Centre for English Teaching **Mallett St**
Centre for Teaching and Learning **19L**
Chancellor's Committee Shop **17F**
Chaplains' Centre **10G**
Chemistry **17K**
Child Care:
- Boundary Lane **16U**
- Carillon Avenue **9Q**
- Laurel Tree House (Glebe) **16B**
- Union (Darlington) **21S**

Civil and Mining Engineering **24R**
Clark Bldg **17T**
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Clinical Ophthalmology & Eye Health **Sydney Eye Hospital**
Clock Tower **17F**
Clinical Trials **Mallett St**
Communication Disorders **Cumberland**
Community & Mental Health Nursing **Cumberland**
Community Health **Cumberland**
Community Medicine **1SK**
Computer Sales:
- Computer Sales and Service **23U**
- Computer Shop **21R**
- Computer Science, Basser Dept **17L**

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Coppleson Postgraduate Medical Institute **9K**
Copy Centre **21R**
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Crop Sciences **13F**
Darlington House 14S
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Development Office **16E**
Disability Services **13G**
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Economic History **17P**
Economics, Dept and Faculty Office **17P**
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Edward Ford Bldg **15K**
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Evelyn Williams Bldg **6E**
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- Commonwealth Bank **14D**
- Credit Union **14D**
- National Australia Bank **15E, 19N**
- Finance, Dept of **16Q**

Financial Management & Reporting **13A**
Financial Services Division **13A**
Financial Systems Development **13A**
Fine Arts (Art History & Theory) **X5I**
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Geography **16Q**
Geology and Geophysics **19J**
Germanic Studies **15F**
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Griffith Taylor Bldg **14F**
Gunn, R.M.C. Bldg **7F**
Heydon Laurence Bldg **12D**
Health Information Management **Cumberland**
Health Sciences Faculty Office **Cumberland**
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History and Philosophy of Science **19L**
Holme Bldg **14D**
Industrial Relations, Dept of **16Q**
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Institute Bldg **16Q**
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International House **23L**
International Preparation Program **20T**
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Koori Centre **12G**
Law Dept and Faculty Offce **St James**
Learning Assistance Centre **13G**
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Link Bldg **2SO**
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Mackie Bldg **13B**
MacLaurin Hall **16G**
Macleay Bldg and Museum **16D**
Madsen Bldg **17L**
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Main Bldg **17F**
Margaret Telfer Bldg **13A**
Marketing, Dept of **16Q**
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McMasterBldg 7D
McMillan, J.R.A., Bldg **11C**
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Mechanical Engineering **25N**
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Medical Radiation Technology **Cumberland**
Medicine, Dept of **7K**
Medicine, Faculty of **15K**
Merewether Bldg **17P**
Microbiology **20P**
Mills, R.C. Bldg **161**
Mungo MacCallum Bldg **1SG**
Music, Dept of **24M**
Nicholson Museum **16G**
Nursing Therapeutics **Cumberland**
Obstetrics arid Gynaecology **9K**
Occupational Therapy **Cumberland**
Old Geology Bldg **1SD**
Old School Bldg **21P**
Old Teachers' College Bldg **12G**
Operations Accounting **13A**
Orange Agricultural College **Orange**
Orthoptics **Cumberland**
Paediatrics and Child Health **New Children's Hospit**
Pathology **7K**
Personnel Services **13A**
Pharmacology **7L**
Pharmacy **15E**
Philosophy **17G**
Photowise Imaging **20T**
Physics **13J**
Physiology **171**
Physiotherapy **Cumberland**
Planning Support Office **16E**
Post Office **1SE**
Printing Services, University **20T**
Professional Studies **13G**
Properties and Investments **13A**
Prospective Students Unit **12B**
Psychological Medicine **4K**
Psychology **14F**
Purchasing **13A**
Publications Unit **16E**
Public Health and Community Medicine **15K**
Quadrangle **17F**
Queen Elizabeth II Research Institute **9K**
Regiment, University **14R**
Religion, School of Studies in **12E**
Research and Scholarships **16E**
Revenue Services **13A**
Risk Management **13A**
Rose Street Bldg **24P**
Ross Street Bldg **10D**
Russell, Peter Nicol, Bldg **23P**
St Andrew's College **50**
St John's College **3H**
St Paul's College **12N**
St Paul's College **12N**
Sancta Sophia College IF

The University of Sydney
Cumberland College Campus
Faculty of Health Sciences

East Street, Lidcombe, 2141. Telephone (02) 9351-2222

Key

- **A** - Jeffrey Miller Administration Building
  Student Counsellor
  National Coding Centre
- **B** - (Ground Floor) - General Lecture Block
  (First Floor) - Communication Disorders
- **C** - Cumberland health & Research Centre
  First Aid
- **D** - D1 Student Welfare Services
  Cumberland Health & Research Centre
  D2 Post graduate Study Room
- **F** - Food Services Canteen/Bank
  Co-Op Bookshop/Computer Shop
- **G** - Behavioural Sciences
- **H** - Human Performance Block
- **J** - (Ground Floor) Occupational Therapy
  (1st & 2nd Floors) Nursing
- **L** - Anatomy & Physiology Laboratories
- **M** - Medical Radiation Technology
  - Levels 0,1,&2
  Occupational Therapy - Levels 3,4,&5
- **N** - Nursing Specialist Area
- **O** - Physiotherapy
  R -R0 - Production Services
  - Rehabilitation Research Centre
  R1 & R2 - Library
- **S** - Physiotherapy & Biomedical Sciences
  Specialist areas & Communication
  Disorders Clinics
  Information Technology Services
- **T** - Community Health - Level 4
  Orthoptics - Level 3
  Health Information Management - L3
  Teaching Rooms - Levels 1&2
- **U** - Student Guild
- **W** - Maintenance Workshop