The University of Sydney

Faculty of Health Sciences

Undergraduate Handbook

1998

Course Information

Further information about all courses offered by the Faculty of Health Sciences may be obtained by contacting Student Administration (Cumberland), by telephone (02) 9 351 9161, fax (02) 9351 9412 or the address below. For other courses offered by the University, refer to the University of Sydney, Student Centre (02) 9351 3013.

Alterations to Courses

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

The information contained in this Undergraduate Handbook was current as at October 1997. Its contents are as accurate and detailed as possible at that time.

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Introduction

This Undergraduate Handbook is the official guide to the undergraduate courses offered in Faculty of Health Sciences located at the Cumberland campus of the University of Sydney. The Handbook was prepared in advance of the 1998 academic year to maximise its usefulness as a reference to students, staff, and to the many associates of the Faculty, particularly those who contribute to the clinical education of students. The charter of the Faculty is to provide competent practitioners in the health professions. The aims are for excellence in clinical and academic teaching and in research.

The fields encompassed by the Faculty are:

- Aboriginal Health and Community Development
- Behavioural Sciences
- Biomedical Sciences
- Casemix
- Child and Adolescent Health
- Clinical Data Management
- Community Health
- Diagnostic Radiography
- Exercise and Sport Science
- Gerontology
- Health Information Management
- Health Science Education
- Leisure and Health (previously Diversions! Therapy)
- Nuclear Medicine Technology
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Radiation Therapy
- Rehabilitation Counselling
- Speech Pathology
- Ultrasonography
- Vision Impairment

Message from the Dean

Welcome to the Faculty of Health Sciences! Whether you are a new undergraduate or returning to build on previous success, I hope that 1998 will be an important milestone towards your chosen career in the health sciences.

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

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

Best wishes in your academic, professional and personal journey through 1998.

Professor Elaine Cornell
Acting Dean

1998 Academic Year and Important Dates

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

1 January	New Year's Day
26 January	Australia Day
13 February	Last day to pay compulsory fees
25 February	Orientation Day (Camperdown campus)
26 February	Orientation Day (Cumberland campus)
March Semester (14 zveeks)	*2 March - 12 June*
13 March	Last day to pay March Semester course fees or HECS
31 March	Last day to finalise enrolment/re-enrolment and to apply for Variation of Enrolment, Leave of Absence, Discontinuation of Studies or Course Transfer for March Semester Census Date
	Last day to request Discontinuation from March Semester subjects without failure
	March Semester Census Date for Higher Education Contribution Scheme
10 April	Good Friday
13 April	Easter Monday
Autumn Recess	*10 April - 17 April*
24 April	All students should have received their Confirmation of Enrolment for March Semester by this date
25 April	Anzac Day
Study Vacation	*8 June - 12 June*
8 June	Queen's Birthday Holiday
Assessment Period	*15 June - 26 June*
Inter-Semester Recess	*27 June - 9 August*
3 August	Post/Deferred Assessments commence
August Semester (14 weeks)	*10 August - 20 November*
21 August	Last day to pay August Semester course fees or HECS
31 August	Last day to apply for Variation of Enrolment, Leave of Absence, Discontinuation of Studies or Course Transfer for August Semester Census Date
	Last day to request Discontinuation from full-year and/or August Semester subjects without failure
31 August	August Semester Census Date for Higher Education Contribution Scheme
25 September	Date by which all students should have received their Confirmation of Enrolment for August Semester
Spring Recess	*28 September - 2 October*
5 October	Labour Day Holiday
Study Vacation	*16 November - 20 November*
Assessment Period	*23 November - 4 December*
Christmas Recess	*5 December 1998 - 1 March, 1999*
20 January, 1999	Post/Deferred Assessments commence

1 Academic and Associated Staff

Student related enquiries eg. course information should be directed to Student Administration (Cumberland).

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Colleen G. Canning, BPhty *Qld* MA *Col.*
Cathy Dean, BAppSc *Cumb.* MA *Col.* PhD
Virginia Fowler, BAppSc *Lincoln* MAppSc (Phty)
Robert D. Herbert, BAppSc *Cumb.* MAppSc (Phty)
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.* PhD GradDipAppSc (ManipPhty)
Martin Mackey, BAppSc *Cumb.* MSafSc *U.N.S.W.* BEc
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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.*
Vicki K. Williams, BAppSc *Cumb.* MEd *U.N.S.W.*

Associate Lecturers
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Jenny Follett, Dip Phty *Cumb.*
Catherine Johnston, BAppSc(Phty) *Cumb.* GradDip
Joanne Munn, BAppSc
Jan Naughton, BA *A.N.U.* BAppSc (Phty) *Cumb.* GradDip (Spt.Med.) *Lond.*
Angela Stark, BAppSc (Phty) *Cumb.* MAppSc (NeuroPhty) *Cumb.*
Karyn Whelan, BAppSc (Phty) *Cumb.* MAppSc (Phty)

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Lynne Harris, BSc PhD *U.N.S.W.*
Varoe Legge, BA MA *Macq.* PhD *U.N.S.W.* DipPhty *Macq.*
Chris J. Lennings, BA MPsychol PhD *Macq.*
Ross G. Menzies, BSc PhD *U.N.S.W.*
Reginald A. Mitchell, MSc *Macq.* DipAppSc *Cumb.* BSc MEd PhD
Gerard Sullivan, BBSc MA PhD *Hawaii* DipEd *LaT.*

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Ann Hale, BA *Macq.*
Robert C. Heard, BA PhD
Syeda Zakia Hossain, BA MA *Dhaka MA A.N.U.* PhD *Qld*
Alan Jones, BA *Macq.* DipSpEd *Kuring-gai C.A.E.*
Nathan Moss, BSc (Hons) *Qld* PhD *U.N.S.W*
Liselott E. Muhlen-Schulte, BA MA DipPsychol
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Gomathi Sitharthan, MA MPhil. *Madr.* PhD

Associate Lecturers
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Michael Hough, BScW. *Aust.* PhD *A.N.U.* DipSocSc N.E.
Mairwen Jones, BA RN RPN
Dennis Mclntyre, BA *N'clefN.S.W.)* DipTeach *N'cle C.A.E.*
Kate M. O'Loughlin, BA *Macq.*
Rosemary A. Pynor, BBSc *LaT.*

Department of Biomedical Sciences

Head of Department
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Roslyn C. Bohringer, BSc PhD MEdAdmin *U.N.S.W.*
John A. Burne, BSc PhD DipEd N.E.
Alan W. Freeman, MSc PhD *Melb.*
Karen G. Ginn, BSc MHPEd *U.N.S.W.* DipPhty GradDipManipTher *Cumb.* DipTertEd *N.E.*
Edward S.G. Hettiaratchi, MB BS *Cexjl.* PhD *Edin.,* AMC *Canb.*
Fazlul Huq, MSc *Dhaka* PhD *Lond.* DIC DipEd M.C.A.E., FRSC
Elizabeth J. Post, BSc PhD
Ponnambalam Sivanandasingham, MB BS *Cexjl.* PhD *Lond.*
Hoang Tran-Dinh, MD *Saigon* DipAnat *A.S.A.N.Z.,* AMC *Canb.*
A. Bulent Turman, MD *Aegean* PhD *U.N.S.W.*
Patricia D.C. Woodman, MSc PhD

Lecturers
Laura C. Batmanian, BSc PhD *Melb.*
Ian Cathers, BSc *S.T.C.* MBiomedE *U.N.S.W.* DipEd *S.T.C.*
Matthew J. Coleman, BSc
Jan Douglas-Morris, BSc MHPEd *U.N.S.W.* GradDipPhty *Cumb.*
Elizabeth Hegedus, BSc *Tas.* PhD *U.N.S. W.*
Peter K. Knight, BVSc PhD MBA *AIMM*
Gary M. Lee, BSc PhD *U.N.S.W.* MBA *U.C.Q.*
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.*
Meg Stuart, BAppSc *Cumb.* MSc *U.N.S.W.*
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*
Catherine Willis, MSc 1LN.S.W. DipPhty *Cumb.* DipTertEd N.E.
MayB.E. Wong, MScN.E. MHPEd *U.N.S.W.* DipEd *U.N.S.W.* DipTertEd N.E.

Associate Lecturers
Jonathan Muller, BSc (Hons) *QLD.* A.T.T.I
Philip Owen, BSc *U.N.S.W. M* Litt *N.E. AKMIT*

Professional Officers
Ronald D. Avery, AIST
Louise Hayes, BSc *Macq.* BAppSc *U.T.S.*
Gautham Jayachandran, BSc *U.N.S.W.*
David Lockwood, BSc *Macq.*

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.*

Rehabilitation Research Centre

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

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

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

Cumberland Health and Research Centre

Director
Bob Eustace, BA

Occupational Health Unit

Unit Manager
Cathy Paver, BSc GradDipPT

Occupational Therapists
Melissa Benson, BAppSc (OccTher) GradCert (OccTher) Neuro
Rosemary Wood, BAppSc (Occ Ther) *Cumb.*

Psychologist
Thomas O'Neill, BA MClinPsy *Macq.,* MAPsS
Sharon Bent, BAPsych MPsych (App) MAPsS
Fiona Green, MAPsych MAPsS

Senior Physiotherapist
Ray Dubber, BAppSc (Phty), MAPA

Physiotherapist
Trisha Cashmere, BAppSc (Phty), MAPA

Rehabilitation Counsellors
Frances O'Donovan, BSocSc (Psych)
Margaret Elken, MRehabClng DipPhty
Kate Nelson, BA GradDipRehabClng

Corporate Health Consultant
Roxanne Kitchener, BHMS (Ed)

Audiologist
Janette Brazel, BA DipAud *Cumb.*

Sports Clinic

Unit Manager
Cathy Mackay, BAppSc (Phty) MAPA

Consulting Medical Practitioners
Dr James S. Harrison, MB BS
Dr Fiona Long, BSc(Med) MB BS(Hons)

Consulting Orthopaedic Surgeons
Mark Perko, MB BS, FRACS
Martin R. Sullivan, FRACS

Consulting Radiologist
Brian Hammond, FRACR

Consulting Sports Physiotherapist
Cathy Mackay, BAppSc (Phty) MAPA

Exercise Physiologist
Richard Hawkins, GradDipAppSc (Nursing) BEd MEx&SpSc RN

Consulting Sports Psychologists
Michael Martin, BA BAppSc (HumanMovement) MA DipEd *San Diego State* PhD

Consulting Dietitian
Fiona Pelly, BSc *Macq.* Dip NutDiet, APD SDA

Consulting Masseur
Peter Butler, DTM

Consulting Orthoptist
Pierre Elmurr, BAppSc (Orth) DOBA

National Centre for Classification in Health (NCCH)

Director
Associate Professor Rosemary Roberts, BA MPH MBA *Monash*

Associate Director
Kerry Innes, Assoc Dip (MRA) *Cumb.*

Publications Manager
Karen Luxford, BSc PhD

Coding Education Manager
Janelle Craig, BAppSc (MRA) *Cumb.* MComm *U.N.S.W.*

Quality Manager
vacant

Coding Services Coordinator
Judith Hooper, BAppSc (MRA) *Cumb.*

Senior Classification Officer
MicheUe Bramley, BAppSc (HIM)

Executive Officer
ChristineErratt, BBus (Accounting) *U.T.S.* Assoc Dip (MRA) *Cumb.*

Project Officers
Patricia DahDah, BAppSc (HIM) (Hons)
Karen Peasley, AssocDip (MRA) *Cumb.*

Publications Officer
Chantelle Garrett

Publications Assistant
Jenni Bibaoui, BA (Com.Sc.)

Consultants
Lauren Jones, BAppSc (MRA) *Cumb.*
Julie Rust, AssocDip (MRA) *Cumb.*

Information Systems Officers
Megan Roach
Damian Hanrahan

Administration Assistants
Linda Maleszka
Fiona McManus

Administration

Dean's Unit

Faculty Manager
Lester D. Crow, CPA

Acting Faculty Finance Manager
Norman Arena, MComm *U.N.S.W.,* FCPA, AAIM, SIA

Administrative Officer
vacant

Co-ordinator Singapore Off-shore Programs
Beverly Wellington, BEd(N) *A.C.A.E.* MAS(N) RN

Faculty Office

Head
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Administrative Officer, Research
Mary C. Dinh, BA CertEd *Tas.*

Distance Education Officer
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Information and Scholarships Officer
Brigit Rosenmai, BA *U.N.S.W*

Publications Officer
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Administrative Assistant
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Program Coordinators
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Wayne Fulford, B.Sc *UWA)* B ED *WAIT)* MPH *CURT*

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Margaret Maroki-Badal

Production Services

Head
Ian J. McAulay

Graphics Manager
Raymond L. Howard, BACom *N.S.W.I.T.* MA (Ed&Work) *Macq.*

Photography
David Robinson

Printery Manager
Dianne Gillespie

Television Manager
Ian J. McAulay

Campus Management

Campus Manager
Hugh V. Brandon, BComm *W'gong* AAIM CPA

Secretary to the Campus Manager
Maureen Marchant

Building and Grounds Division

Head
Phillip Sorbello

Senior Works Supervisor
John Sommers

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

Grounds Manager
Brian Crick

Information Technology Services Division

Head
Jeffrey Hoffman, BAppSc(CompSc) *N.S.W.I.T.*

Analyst/Programmers
Prakash Chordia, MSc(Tech) BITS Pilani

Operations Supervisor
Glenn Russell

Network Manager
Robert West, BSc

PC Support
Karen James
vacant

Property Services Division

Head
Sharon Vaughan

Assets Manager
David Ryan

House Services/Security Manager
Bruce Murray

Mail/Records Manager
Linda Thompson

Residential Supervisor
Singh Garewal, BA *Delhi*

Purchasing and Stores

Purchasing Officer
Barrie Kerr

Student Administration Services Division

Head
Anita Olga Anderson, BA *Adel.*

Undergraduate Officer
Linda Dewar

Graduate Officer
Bharati Jayachandran

Examinations Officer
Eileen Logan

International Student Officer
Nancy Chin

Student Welfare Services Division

Head
Mary Stewart, BA *N'de(N.S.W.)* MEd (TEFL) *H.K.* DipEd *N'de(N.S.W.)* Cert BM *AIM*

Academic and Communication Skills Tutors
Andrea Chan MA *NZ* MA *ANU* PhD RSACertTEFLA GradDip MLT
Rosalie Thomson BA NE LicDip S&D GradDipSC *U.W.S* GradCertTESOL
Marie Clugston BA MLitt MA DipContEd NE PhD RSA CertTEFL

Tutor/International Student Advisor
May Thet Tun, MA *Mandahy* MA(TEMJ GradDipMacq.

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

Health Sciences Library

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

Senior Librarian
StephenT.K.Chan, BSocScH.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, BEdNoft. MLib. *U.N.S.* W.Teach. Cert. *H.K.* DipIMLib

Personnel Services

Acting Personnel Manager
Ramen Chetty, MNIA

Personnel Officers
Marilyn Croft
Alan Frost
Jan McGregor

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

2 Faculty of Health Sciences

History

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

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

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

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

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

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

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

It was on 26 October, 1979, that His Excellency Sir Zelman Cowen, A.K., G.C.M.G., K.St.J., Q.C., the then Governor-General of the Commonwealth of Australia, officially opened the College.

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

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

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

The involvement in PhD programs from 1990 is a highlight of the amalgamation with the University of Sydney.

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

Objectives

The primary objectives of the Faculty are:

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

The supporting objectives are:

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

Academic Governance

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

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

Structure

The Faculty's academic structure comprises of two Departments (Biomedical Sciences and Behavioural Sciences) and eight professional Schools:

- Communication Disorders
- Community Health
- Exercise and Sport Science
- Health Information Management
- Medical Radiation Technology
- Occupational Therapy
- Orthoptics
- Physiotherapy

The College's administrative structure comprises of eight divisions:

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

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

Centres

The Cumberland Health and Research Centre

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

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

- Corporate Health
- Driver Rehabilitation
- Hearing Rehabilitation
- Occupational Health and Rehabilitation
- Sports Clinic
- Sports Science

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

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

Australian Stuttering Research Centre

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

Conduct world class stuttering research

Establish national and international collaborative research links

Provide mentorship for Australianstutteringtreatment 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 an emerging University Centre involving princip ally the Faculty of Health Sciences and the Sydney Conservatorium of Music, with support from a number of other faculties of the University and community groups. It is dedicated to excellence in the art, care and science of voice.

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 forbeginning 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 Family Services, the NCCH (Sydney) is a centre of expertise in classifications of morbidity, mortality and health interventions. Formerly the National Coding Centre (NCC), a joint agreement between Queensland University of Technology and the University of Sydney in early 1997 resulted in the new NCCH, with sites in both Sydney and Brisbane. The NCCH is responsible for the publication of the WHO-based clinical classifications ICD-9-CMandICD-10-AM(AustralianModification)within Australia.

The objectives of the Centre include:

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

WHO Collaborating Centre status

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

WHO Regional Collaborating Centre for Rehabilitation

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

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

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

Inter-Institutional Agreements

The Faculty has developed links with the following institutions:

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

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

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

3 Undergraduate Courses

General Admission Requirements

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

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

Students are strongly advised that all courses are presented on the assumption that students 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 suitably qualified international and mature age applicants.

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

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

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

Applicants for admission to the University must comply with the requirements of the NSW Board of Secondary School Studies for the awarding of a Higher School Certificate and the requirements for calculation of a Tertiary Entrance Rank.

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

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

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

Admission based on a Tertiary Record

If you have attended a recognised tertiary institution and have completed one full-time year (or the equivalent part-time) of an Associate Diploma, Diploma, Bacjjglor^sdegree or higher qualification, you will be considered for selection on the basis of your secondary and tertiary studies. In general greater weight is given to the tertiary record. If your tertiary studies were affected by serious illness or misadventure, you are entitled to apply for special consideration for admission.

Applicants with a tertiary record may also be required to complete a questionnaire and/or attend an interview.

Overseas Qualifications

Applicants should have overseas qualifications acceptable to the University and provide evidence of English language proficiency acceptable to the University.

Special Admission

The University of Sydney's Special Admissions Scheme provides a means of admission for people who:

- are of mature age and who do not meet the standard entry requirements for the University, or
- have experienced serious, long-term disadvantages in pursuit of their education.

Mature age applicants:

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 TER, Special Admissions Preparation course or University Preparation Program. The preparation course must include the "assumed knowledge" subjects for the course(s) you are applying to enter.

Mature age applicants must not have a previous tertiary record of one full-time year or more (or part-time equivalent) at Associate Diploma or higher level.

Educationally disadvantaged applicants:

To be eligible to apply as an educationally disadvantaged applicant, you must be able to demonstrate that your educational progress has been affected by circumstances or conditions beyond your control, over a substantial period of time. For instance, you may have suffered from emotional trauma, severe illness or a disability such as impaired vision or hearing, epilepsy, quadriplegia etc. Applicants in this category can be any age; however, applicants who are over twenty-one will normally be expected to have completed an approved preparation course unless it can be demonstrated that circumstances beyond their control have prevented them from doing so.

All applicants for Special Admission must complete a Universities Admissions Centre (UAC) application as well as the University of Sydney's Special Admissions application form. UAC application forms are usually available in August each year. For further information on UAC procedures and key dates, please refer to Chapter 4 of this volume.

Please note the following points carefully:

(a) applicants must indicate clearly on the UAC application form that they are applying for Special Admission to the University of Sydney. Please state under which scheme you are applying and check that you have complied with the requirements.
(b) mature age applicants must indicate their entry qualification (for example, Special Admissions Preparation Course, Limited TER, Tertiary Preparation Certificate).
(c) educationally disadvantaged applicants must provide a clear explanation of their educational history, stating clearly the reasons which prevented them from obtaining or completing a satisfactory education or which interfered with 'normal educational progress'. This must be accompanied by independent supporting documentation (for example, doctor's report).

Special Cases

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

Additional Selection Criteria

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

Other Admissions Schemes

Vocational Entry Scheme

For courses which are vocationally oriented, completion of relevant TAFE courses and/or work experience may be taken into consideration.

Multicultural Admission Scheme

The Faculty of Health Sciences offers a number of places to persons from non-English speaking backgrounds who are undertaking the HSC and who have appropriate language skills and an understanding of the needs of major community groups.

Students who wish to apply for entry through this scheme should lodge the normal application through the Universities Admissions Centre and also lodge an application with the Ethnic Affairs Commission of NSW on forms available from either the Commission or Student Administration (Cumberland).

Cadigal Program

The Cadigal Program is an access and support program for people of 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 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 an application on the form available from Yooroang Garang, the Centre for Indigenous Health Studies, Faculty of Health Sciences, or the Koori Centre, University of Sydney. Applicants are considered under the categories of HSC applicants and non-HSC applicants.

HSC Applicants

Applicants under this category will be eligible for consideration for admission upon meeting the following requirement:

Completion of the NSW Higher School Certificate (or equivalent) with the minimum TER as set by the Cadigal Program for the course applied for.

Non-HSC Applicants

Applicants under this category will be eligible for consideration for admission upon meeting one or more of the following requirements:

- Completion of an approved tertiary preparation course including any "assumed knowledge" subjects relevant to the course of study applied for, OR
- 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.

Support for Aboriginal and Torres Strait Islanders

Students entering awards under the Cadigal Program may participate in the Aboriginal Health Science Support Program, which is co-ordinated by the Yooroang Garang. The support provided under this program consists of 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 an award 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.

The Broadway Scheme

The Broadway Scheme assists current NSW HSC candidates who have suffered long-term educational disadvantage to gain entry to courses at the University. Information and application forms are sent to all secondary schools in July of each year.

Long-term educational disadvantage may result from many and varied causes including language problems, disrupted schooling, deprived economic circumstances, geographical isolation, chronic illness, physical handicap or personal trauma.

Applications must be submitted with independent supporting documentation eg. doctors' reports, counsellors' reports, teachers' reports etc. and must be endorsed by the school principal.

Further information can be obtained from the University of Sydney Special Admissions Office (02) 9 351 3615.

Support for Students with Disabilities

The University recognises the need for the provision of educational opportunities for persons with disabilities. Subject to their meeting normal entry requirements, persons with disabilities will be admitted to the Faculty and the University will endeavour to make provision for any special services or assistance needed for these students to pursue their studies. Students with disabilities are advised to contact Student Welfare Services (Cumberland) as soon as possible after admission to the Faculty to discuss their needs.

Behavioural and Biomedical Sciences

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

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

Behavioural Sciences

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

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

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

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

Biomedical Sciences

Biomedical Sciences subjects include the following areas of study:

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

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

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

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

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

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

Knowledge Expected of Commencing Students

In pursuing any biological science or applied science course at university level, a basic knowledge of biology/physiology, chemistry, mathematical or physics concepts is essential to an understanding of theories of structure and function of the human organism. Rather than define specific mathematics and science subjects as prerequisities, the Faculty has provided the following information to assist applicants gauge their preparedness to undertakeparticular 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 knowedge are encouraged to contact the Continuing Professional Education and Conference Unit on (02) 9 351 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/Physiology

(relevant to all students)

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

Chemistry

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

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

Grammar
(relevant to Speech Pathology)

- 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
(relevantfor Medical RadiationTechnology and Health Information Management)

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

Physics
(relevant for Medical Radiation Technology, Physiotherapy and Orthoptics)

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

Bridging Courses
Bridging courses are offered in Chemistry, Physiology, Physics, and Grammar (for Speech Pathology students only). These courses are recommended for undergraduate students who feel that they have not attained the required level of assumed knowledge described above. Bridging courses are also offered in *English for Academic Purposes,* and in *Study Management and 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 five-week full-time *Study Preparation Program* is offered to newly enrolled international students in January/February. Australian residents who have no previous tertiary study in Australia are also eligible to enrol in the *Study Preparation Program* which prepares students for academic study in an Australian health sciences context.

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

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

Honours Programs

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

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

The degree of Bachelor of Health Science maybe awarded in the grade of Honours in the areas of Rehabilitation Counselling or Aboriginal Health and Community Development.

Information provided here on these Honours Programs is of a general nature. More detailed information is given in each School's entry in this Handbook.

Admission and Selection
Entry into an Honours Program is generally at the beginning of the Third Year and eligibility for admission is based on performance during Years 1 and 2 of the course. Selection of students into an Honours Program is competitive and based on academic record and research interests. Availability of places, appropriate supervisors, and resources and facilities to support the student's proposed research may affect selection.

After results are released at the end of second year, students are notified by Student Administration (Cumberland) if they have met the criteria for admission. Eligible students wishing to be admitted to the Honours Program must then apply to the Head of School to seek admission.

Progression

Students in an Honours Program continue to enrol in most, if not all, of the subjects in the Pass Program and are generally required to maintain a credit average. Students also undertake additional subjects and research-related activities, and there maybe time limits for completion of the Honours Program. Completion of a thesis or, in some cases, a treatise, is required. Details of specific requirements are given under each School's entry in this Handbook. Students in an Honours Program may elect to return to the Pass course at any time assuming they meet criteria for Pass course progression.

Assessment of the Thesis and Award of Honours

There are three classes of Honours: Class I, Class II and Class III. Within Class II there are two Divisions: Division 1 and Division 2. If a candidate qualifies for the award of Honours Class 1 and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.

The Honours thesis is examined by at least two academic staff members of the University. The Head of the relevant School appoints the examiners in consultation with the supervisor, and the examiners provide recommendations that:

i) the thesis be accepted as presented; or
ii) it be accepted subject to minor modifications which must be completed within the time limit of the Honours Program; or
iii) the thesis be rejected.

In evaluating the thesis, each examiner awards the thesis a mark between 0 and 50, and the sum of the examiners marks serves as the basis upon which the thesis is to be rejected or accepted. Schools may include marks from related coursework subjects in the total. If coursework subjects are included the level of Honours to be awarded is based on the total score obtained.

Awards/Scholarships

Information on a range of scholarships is available from the Scholarships Officer in the Faculty of Health Sciences Phone: 02 9 351 9154. The University acknowledges with gratitude gifts from various sources which have made possible the following prizes:

Award or Prize	Value $	Criteria
Alcusal Prize for Research	$150	Honours student with the best undergraduate research project in the School of Physiotherapy.
Australian Physiotherapy Association Prize	$100 each prize	Two awards. In the Bachelor of Applied Science (Physiotherapy) Pass course, firstly, the most proficient graduand and, secondly, the graduand who achieves the highest standard in clinical practice.
Cardiothoracic Prize in the School of Physiotherapy	$200	Student with the highest combination of marks in both the cardiopulmonary clinical placement and the cardiopulmonary fourth year of the Bachelor of Applied Science (Physiotherapy) course.
Ciba-Geigy Prize	$100	Student with the highest-aggregate-mark-in-the-subjeet—*Occupational Role Development I and II* in the Bachelor of Applied Science (Occupational Therapy) course.
Diversional Therapy Association of Australia Prize	$100	Student with the highest aggregate marks for the subjects *Diversional Therapy Facilitation Skills I* and II in the Bachelor of Applied Science (Diversional Therapy) course.
Hilda Roberts Memorial Prize	$100	Most proficient student on completion of the final year of the Bachelor of Applied Science (Health Information Management) course.
Jillian Salter Memorial Award	$300	Non-metropolitan student with the highest aggregate marks across all second year subjects in the Bachelor of Applied Science in Medical Radiation Technology (Diagnostic Radiography) course.

Award or Prize	Value $	Criteria
Kodak Prize for Honours students in Medical Radiation Technology	$200	Awarded for the student who gains the highest score in the assessment of their honours thesis in the Bachelor of Applied Science (Medical Radiation Technology) course.
J. Val Simpson Memorial Prize for Manual Therapy	$100	Student exhibiting the highest proficiency in manual therapy in the Bachelor of Applied Science (Physiotherapy) course.
Met-a-Lite Prize for Components of Occupational Performance	$100	Student with the highest aggregate marks for the subjects *Components of Occupational Performance IA, IB, IIA, IIB, III* and *IV* in the first, second and third years of the Bachelor of Applied Science (Occupational Therapy) course.
Murray F. Allan Memorial Award	$100	Student exhibiting the most outstanding services to students. Open to students of all Schools and Departments in their final year of study.
OT Australia -	$100	Student with the highest aggregate marks in the subjects *Occupational Therapy Theory and Process I, IIA, IIB, III, TV A* and *IVB* in Bachelor of Applied Science (Occupational Therapy) course.
NSW Branch of the Australian Association of Speech and Hearing Prize	$100	Student with the highest general proficiency in the final year of the Bachelor of Applied Science (Speech Pathology) course.
Orthoptics Association of Australia, NSW Branch Prize	$150	Honours student gaining the highest marks for an honours thesis in the Bachelor of Applied Science (Orthoptics) Honours.
Patricia Lance/ John Pockley Prize	$100	Student with the highest generalproficiency demonstrated throughout the Bachelor of Applied Science (Orthoptics) course.
Physiotherapy Research Foundation Prize	$100	Student with the highest grade for an honours research thesis of a Class 2 Level 2 grade or better in the Bachelor of Applied Science (Physiotherapy) honours course.
Private Speech Pathologists' Association of New South Wales Prize	$100	Student with the greatest clinical proficiency during the final two years of the Bachelor of Applied Science (Speech Pathology) course.
Rosemary E. Wilson Memorial Prize for Caring and Giving	$100	Studentwho is judged as ha vingbest shown anawareness of patients' total needs and real empathy with patients' physical, psychological and emotional needs in the Bachelor of Applied Science (Physiotherapy) course.
Smith and Nephew Prize for Occupational Therapy students	products to the value of $350	Awarded for the attainment of the highest aggregate marks in the subjects *Human Occupations I A, IB, IIA, TIB III,* and *TV* in the Bachelor of Applied Science (Occupational Therapy) course.
Neurological Rehabilitation Prize	$100 plus one year's membership of Neurology Study Group	Awarded annually to the student exhibiting the highest proficiency in Neurology in third and fourth years of the Physiotherapy course.

Financial Assistance

Austudy

Austudy provides financial assistance for full-time students. EligibiUtyisbased on a number of income, age and academic requirements. The level of assistance for most students is determined by applying an income test for the parental income. Students maybe assessed without regard to parental income if they qualify for the independent rate of allowance.

Continuing students should submit their applications as soon as their results are available. New students should lodge their applications as soon as possible after enrolment or by 31st March to receive their full year's entitlement. Austudy information and application forms maybe obtained from:

Centrelink
Western Sydney
Student Services
112 Main Street, 1st Floor
Blacktown, NSW 2148
P.O.Box 1042
Blacktown, NSW 2148
Telephone: (02) 132 316

Abstudy

Abstudy provides financial assistance for Aboriginal and Torres Strait Islander students in a wide range of full- and part-time courses. Abstudy benefits for full-time students include living allowance, dependent spouse allowance, incidental allowance and payment of tutorial and fares costs. Abstudy enquiries should be directed to:

Centrelink
Western Sydney
Student Services
112 Main Street, 1st Floor
Blacktown, NSW 2148
P.O.Box 1042
Blacktown, NSW 2148
Telephone: (02) 132 316

Loans

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

Loans are available to students who are Australian citizens and permanent residents to help with essential living expenses (housing bonds, rent, household bills, emergencies) and studyexpenses (textbooks 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.

Interest free loans of up to $1000 are available to overseas students for living expenses.

Students seeking assistance from the fund should obtain an application form from Student Welfare Services (Cumberland). The maximum amount of the loan is normally $1500.00 with an interest free period of twelve (12) months. (Non-award students are ineligible to apply for assistance from the fund)

Explanation of Subject/Units of Study Numbering System

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

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

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

Summary of Undergraduate Diplomas and Degrees

	Duration	Mode	Course Code
Bachelor of Applied Science (BAppSc)			
Exercise and Sport Science[1]	3 years	F/T	2209
Health Information Management[1]	3 years	F/T	0902
Leisure and Health (previously Diversional Therapy)'	3 years	F/T	1531
Medical Radiation Technology[1]	3 years	F/T	
Diagnostic Radiography			1808
Nuclear Medicine			1809
Radiation Therapy			1810
Medical Radiation Technology (Conversion Course)	1 year	P/T	
Diagnostic Radiography			1821
Nuclear Medicine			1822
Radiation Therapy			1823
Occupational Therapy[1]	4 years	F/T	1519
Orthoptics[1]	4 years	F/T	1410
Physiotherapy[1]	4 years	F/T	1622/1652[4]
Speech Pathology[1]	4 years	F/T	1206
Bachelor of Health Science (BHIthSc)			
Aboriginal Health and	4 years	(Block attendance)	0753/0780[4]
Community Development[1]	3 years	F/T	0756
Medical Radiation Technology[2]	2 years	P/T	2004
Medical Radiation Technology[3]	1 year	F/T	
Diagnostic Radiography			1830
Radiation Therapy			1831
Nursing[2]	(September start) 2 years	P/T	2001
	(April start) 2 years	P/T	2011
Occupational Therapy[2]	1 year	P/T	2002
Occupational Therapy[3]	0.5 years	F/T	1535
iPhysiotherapy[2]	2 years	P/T	2003
Physiotherapy[3]	1 year	F/T	1650
Rehabilitation Counselling[1]	3 years	F/T	0819
Rehabilitation Counselling[1]	4 years	F/T	0878"
Diploma of Health Science (DipHlthSc)			
Aboriginal Health and			
Community Development	2 years	F/T	0767

Notes

[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.
[4] Commencing 1998.

4 Administrative Information

Course Enquiries and Applications

Student Administration (Cumberland)

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

The postal address is:

Student Administration (Cumberland)
The University of Sydney
P.O. Box 170
Lidcombe, NSW 2141
Ph: (02)9 3519161
Fax: (02) 9 351 9412

Undergraduate Course Applications

Applications for 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
- Medical Radiation Technology
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

Bachelor of Health Science

- Aboriginal Health and Community Development
- 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 newsagents or from the Universities Admissions Centre,
  Postal Address:
  UAC, Locked Bag 500
  Lidcombe, NSW 2141
  Telephone (02) 9330-7200

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

All Other Course Applications

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

Graduate Courses

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

Registration and Enrolment

Status of Students

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

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

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

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

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

Deferment of Enrolment

A person granted admission to an undergraduate course of the University and who undertook at least 10 units of the N.S.W. Higher School Certificate, or its equivalent, in the preceding year, may be permitted to defer enrolment for a maximum period of one year.

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.

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

Full-fee paying overseas students may be permitted to defer enrolment. Written applications must be lodged with the University of Sydney International Office.

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. TheFacultymaypermitenrolmentinaparticular unit or units provided that the student has an appropriate academic background and that the Head of the School/ Department offering the unit considers that the student will benefit from the unit; that accommodation is available and that the enrolment does not prevent a place in that unit being available to a student proceeding to a degree or diploma.

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

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

Non-award students are required to pay unit tuition fees on the basis of a fixed fee ($13,000 in 1997) for a full-time load multiplied by the weight of the individual unit.

Miscellaneous Enrolment

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

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

Miscellaneous students will be required to pay the prescribed fees (minimum $9.00 per hour in 1997) for this mode of study.

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

Cross-Institutional Enrolment

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

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

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

Enrolment of New Students

Enrolment of new students in a course entails:

a) completion of an Enrolment form attesting the units in which the student will be enrolled in the first year of study;
b) completion of such forms for statistical purposes as required by the Department of Employment, Education, Training and Youth Affairs (DEETYA), and any other government agency;
c) completion of a form to indicate mode of payment of the Higher Education Contribution;
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 March Semester if the "up-front" mode of payment is adopted.
g) payment of tuition fees for March Semester if enrolled in a fee paying course

New students accepting places in courses processed by the Universities Admissions Centre are required to enrol at the Cumberland Campus on Thursday 29. or Friday. 30 January. 1998, and will be required to complete at least items (a) - (d) above.

New students acceptingplaces in courses for which they applied directly to the Faculty (non-UAC courses) are required to enrol at the Cumberland Campus on Thursday. 29 Tanuary, 1998. and will be required to complete at least items (a) - (d) above.

Students who receive UAC offers in the Final Round are required to enrol at the Cumberland Campus on Tuesday, 10 February, 1998.

A new student who has been offered a place in a course to which entry is restricted and who fails to commence enrolment at the appointed time may lose theplace allocated.

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, 13 February, 1998 or the enrolment maybe cancelled (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). Afees/charges depositnoti.ee 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.

If the "up-front" mode of payment is adopted, the estimated Higher Education Contribution for March Semester, must be paid by Friday, 13 March, 1998. A statement of enrolment and another fees/charges deposit notice willbe issuedby the end of February for this purpose. Failure to pay by this date will result in the "up front" payer's enrolment being cancelled on 1 April, 1998, unless the payment option is altered to "defer-to-tax" by 31 March, 1998.

With prior approval only, the last day for new students to commence enrolment is Friday 13 March, 1998, and the last day to complete enrolment is Friday 27 March, 1998. These dates may be varied only with the express approval of the Head, Student Administration (Cumberland). Failure to complete enrolment by the above date will be deemed to indicate lack of intention to pursue the offered course and removal of the enrolment record will ensue.

Re-enrolment of continuing students

Re-enrolment of continuing students in a course entails:

a) completion of 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 Employment, Education, Training and Youth Affairs (DEETYA) 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 March Semester, if "up-front" mode of payment is adopted.

Re-enrolment of continuing undergraduate students willbe carried out by mail. In mid-January, 1998, students who have indicated an intention to re-enrol and are eligible to continue their course will be sent the documents necessary to re-enrol in their course (items a. to e. above). The payment of all fees will be by bank deposit through any branch of the National Australia Bank. Compulsory subscriptions and other feesmustbepaid by Friday, 13February, 1998 (financial assistance in the form of a short term, interest-free loan is available to support the payment of compulsory subscriptions). Afees/charges depositnoticeforthispurpose will be issued in the re-enrolment kit. If fees arenotpaidby this date the enrolment may be cancelled. If re-instatment is subsequently requested and approved a $100 re-instatement fee may apply.

If the "up-front" mode of payment is adopted the estimated Higher Education Contribution for March Semester, must be paid by Friday, 13 March, 1998. A statement of enrolment and another fees/charges deposit notice willbe issued by the end of February for this purpose. Failure to pay by this date will result in the "up-front" payer's enrolment being cancelled on 1 April, 1998 unless the payment option is altered to "def er-to-tax" by 31 March, 1998.

Academic advisers will be available for consultation concerning variations to proposed units for enrolment during the last week of January. Completed re-enrolment documents are to be lodged at Student Administration (Cumberland) by Friday, 30 January, 1998.

The above dates may be varied only with the express approval of the Head, Student Administration (Cumberland). The last day to finalise re-enrolment is Friday, 27 March, 1998. Failure to complete enrolment by the above date willbe deemed to indicate an intention on the part of students to abandon their course and removal of the enrolment record will ensue.

Student Identity Card

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

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

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

Statement of Enrolment - August Semester

At the beginning of Semester 2, a statement of the expected enrolment and associated estimated HECS 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" as it was in the previous semester, then the payment should be made using the accompanyingbank deposit form and the statement retained for reference. Payments must be made by Friday, 21 August, 1998. Failure to pay by this date will result in the "up-front" payer's enrolment being cancelled on 1 September, 1998 unless the payment option is altered to "defer-to-tax" by 28 August, 1998.

If amendments are required to the statement it should be returned toStudent Administration (Cumberland) by Friday, 21 August, 1998, with a letter of explanation. The completion of an Application for Variation of Enrolment maybe required.

Students who do not intend to continue their studies in August Semester must formally withdraw from their course before 31 August, 1998, or they will be charged HECS for the August Semester.

Confirmation of Enrolment

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

Fees and Charges

1. Higher Education Contribution Scheme (HECS)

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

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

Most units of study (subjects) taught in the Faculty of Health Sciences attract HECS at the Band 2 rate of $4,799 per annum. The major exceptions are subjects taught by the Department of Behavioural Sciences, School of Community Health, and Leisure and Health subjects which attract the Band 1 HECS charge of $3,356 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 March Semester and 31 August in August Semester), taking account of any amendments made to the course in which the student is enrolled. A notice of "Confirmation of Enrolment and HECS Liability" will be sent to every enrolled student after the census date in each semester setting out current HECS payment mode, the course load, the amount of contribution required for the semester, the amount paid thus far and the amount still to be paid or any refund due.

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

"Up-Front" Payment of HECS

This mode permits a student to pay an annual amount equal to 75% of the estimated full contribution, half before the census date in each semester. The amount must be paid either as a lump sum or in two p arts, with the first p art being at least 50% of the required payment and the balance paid before the census date. From 1998, 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 to make their contribution "up-front" and fail to complete the payment by the nominated date, will be required to change their mode of payment to the "deferred" option prior to the census date.

"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 ae 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.

3. Compulsory Student Guild Fees

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

Note

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

Extension of Time for Payment

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

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

4. Notes and Levies

The Department of Biomedical Sciences publishes manuals for most of its units, ranging in cost between $4.00 and $69.00 (in 1997). Purchase of manuals is optional, but strongly recommended. Copies of manuals are available in the Library's Closed Reserve.

Students in the School of Communication Disorders are required to pay an annual levy for the use of equipment.

Continuing International Students

Fees for March Semester must be paid by 16 January, 1998. Fees for August Semester must be paid by 30 June, 1998.

Failure to meet Financial Liabilities

Students who are financially indebted to the University and have not made acceptable arrangements for settlement of their obligations are not entitled to use the University's facilities and their enrolment may be cancelled. They will not be permitted to register for a further semester, to attend classes or examinations, or to be granted any official credentials. Cancellation of enrolment applies if any portion of fees or the supply of a required tax file number is

outstanding at the census date in the relevant semester, that is, 31 March in March Semester and 31 August in August Semester. Reinstatement of enrolment, if approved, may require payment of a $100 fee.

Refund of Student Guild Fees

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

Refund of HECS

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

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

Refund of Course Tuition Fees

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

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

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

Credit Transfer

Policies

1. The Faculty of Health Sciences (FHS) has a policy of awarding students maximal credit for prior academic achievements within the following resolutions (2-8).
2. Four forms of credit transfer may be granted :
   a) *Block Credit* for whole stages or years of course. Students are awarded the grade of Advanced Standing (AS) for all units credited.
   b) *Specified Credit 1* for whole unit(s) which the student is not required to undertake based on completion of studies which have been deemed equivalent. The student is awarded the grade AS.
   c) *Specific Credit 2* for parts of unit which the student is not required to undertake based on completion of studies which have been deemed equivalent (previously termed "exemption"). These units will attract only a ZP or F final grade except when the part(s) of unit were undertaken in the same subject at the Cumberland Campus in the previous year. Course Examiners may record a mark with these grades.
   d) *Unspecified Credit* which can be granted when the student has completed similar learning rather than learning which is " deemed equivalent" (see b or c).
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 Handbook will list existing "class-action" credit transfer policies and units where challenge examinations are routinely available.
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 approved fees.
9. Mechanisms for achieving credit transfer include:
   a) provision of academic records (transcripts) and unit information or alternative information for a judgement on a case-by-case basis,
   b) provisionofappropriateevidencerelatedtoexisting credit transfer class actions,
   c) successful completion of challenge exams, where available.
10. Credit for prior learning which is of a non-credential nature may be granted on the recommendation of the Head of School or Department. This credit may take the form of any of the four forms of credit listed in Resolution 2. Such decisions will be made on a case-by-case basis.
11. Challenge exams provide an opportunity for students to demonstrate that they have achieved the learning goals of aunitthroughprevious formal study. Successful completion of a challenge exam will result in a grade of Advanced Standing being awarded for that unit. Challenge exams are not applicable for units which the student has previously failed.
12. Eligibility for credit does not guarantee a place in the course in which the credit would be available.
13. Where existing credit transfer statements (eg class actions) exist, such information would be available at the time of enrolment via the Faculty Handbook.
14. The procedures adopted to assess a particular unit/ program or range of experiences as the basis for credit in a Faculty unit/program should ensure that the prior learning assessed is comparable in content and standard with the Faculty unit/program in which credit is sought. The standards applied in assessing recognition of credit for prior "informal" learning should not be greater than those required to pass the relevant component of the Faculty program.
15. Procedures for the recognition of credit for prior "informal" learning should ensure that:

- for recognition of units/programs provided by a body other than a university or TAFE, the academic staff carrying out the assessment have a detailed knowledge of the Faculty unit/program in which credit is sought, and
- for recognition of work and/or life experience, the academic staff carrying out the assessment have, in addition to detailed knowledge of the relevant Faculty units/programs, personal expertise in or access to advice

(*) A class action refers to an Advanced Standing agreement based on a circumstance (eg. a qualification or subject completed) which pertains to a "class/group" of people.

on assessment methods appropriate to recognition of prior "informal" learning.

These responsibilities (in 15) are assigned to the Head of School or Department which has the role of investigating the credit transfer application and recommending that credit is granted.

Current Practices

1. Schools within the Faculty of Health Sciences

Due to the specific nature of these courses and the limited number of similar programs in New South Wales and throughout Australia the number of requests for credit transfer based on completion of specific units at other universities is very limited. Few "class-actions" (*) for credit transfer have been implemented, and each student's case in relation to School units is considered individually on the basis of information submitted.

Exceptions:

1. The Schools of Medical Radiation Technology, Health Information Management, and Communication Disorders may use challenge tests in individual cases to clarify the level of prior learning.
2. Credit transfer class actions exist in relation to:
   a) *the Bachelor of Health Sciences (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 (Diversional Therapy/ 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.

2. Credit Transfer based on Challenge Examinations

Credit transfer in the following units is determined on the basis of a satisfactory result in a challenge examination.

List of Units with 1998 Challenge Exams

Unit	Unit Name	Semester Offered	Course
Department of Biomedical Sciences			
BIOS1054/11158	Introductory Human Biology	S1	Physio
BIOS1055/11161	Body Systems I	S2	Physio
BIOS1064/11172	Functional Anatomy A	S1	Physio
BIOS1065/11173	Functional Anatomy B	S2	Physio
BIOS1067/11175	Biological Sciences I	FY	Rehab
BIOS1068/11176	Introductory Human Biology	S1	CD, OT, Orthoptics
BIOS1069/11177	Musculoskeletal Anatomy	FY	OT
BIOS1070/11178	Introductory Neurobiology	S1	CD, OT, Orthoptics,
BIOS1071/11179	Neurobiology I	S2	CD, OT, Orthoptics
BIOS1073/11181	Body Systems I	S2	CD, Orthoptics
BIOS1078/11186	Body Structure, Homeostasis	FY	ExSS
BIOS1079/11187	Molecules, Food and Energy	S1	ExSS
BIOS1082/11191	Introductory Neurobiology	S1	Physio
BIOS1083/11192	Neurobiology I	S2	. Physio
BIOS1084/11193	Introductory Human Biology	S2	MRT
BIOS1096/111A5	Life Sciences IA in Nursing	S1	Nursing
BIOS1097/111A6	Life Sciences IB in Nursing	S2	Nursing
BIOS1101/111B1	Anatomy of Body Systems A	S1	MRT
BIOS1102/111B2	Anatomy of Body Systems B	S2	MRT
BIOS1104/111B3	Basic Human Biology IA	S1	HIM.
BIOS1105/111B4	Basic Human Biology IB	S2	MRT
BIOS1106/111B5	Biological Sciences IA	S1	Leisure & Health
BIOS1107/111B6	Biological Sciences IB	S2	Leisure & Health
BIOS2037/11286	Body Systems II	S2	Physio
BIOS2038/11287	Neurobiology II	S1	Physio
BIOS2055/112A6	Biological Sciences IIB	S2	Nursing
BIOS2056/112A7	Neurobiology II	S1	OT
BIOS2057/112A8	Body Systems I	S2	OT
BIOS2060/112B1	Introductory Pathology	S1	Orthoptics
BIOS2062/112B3	Neurobiology II for CD	S1	CD
BIOS2076/112C8	Life Sciences in Nursing 2A	S1	Nursing

(*) A class action refers to an Advanced Standing agreement based on a circumstance (eg. a qualification or subject completed) which pertains to a "class/group" of people.

BIOS2077/112C9	Life Sciences in Nursing 2B	S2	Nursing
BIOS2078/112D3	Pathophysiology A	S1	MRT
BIOS2079/112D4	Pathophysiology B	S2	MRT
BIOS2080/112D5	Tumor Pathology A	S1	MRT
BIOS2081/112D6	Tumour Pathology B	S2	MRT
BIOS2082/112D7	Basic Human Biology IIA	S1	HIM
BIOS2083/112D8	Basic Human Biology IIB	S2	HIM
BIOS3019/11374	Body Systems III	S1	Physio
BIOS3027/11382	Body Systems II	S2	OT
BIOS5047/11454	Biological Sciences	S1	MRT (GradDip)
BIOS5026/11455	Anatomy and Biomechanics A	S1	Physio
BIOS5046/11513	Functional Anatomy	S2	G/D ExSpSc

Department of Behavioural Sciences

BEHS1095/101B1	Cognitive Functioning	S2	OT
BEHS1096/101B2	Management of Behaviour	S2	OT
BEHS1100/101B6	Cognitive and Developmental Psychology	S2	CD
BEHS1108/101C5	Research Methods I: Design	S1	Physio
BEHS1117/101D5	Research Methods I: Design	S1	CD
BEHS2074/10285	Health, Society & Social Change	S2	HIM
BEHS2075/10286	Research Methods I: Design	S1	HIM
BEHS207610287	Research Methods II: Data Analysis	S2	HIM
BEHS2077/10288	Social Interaction, Communication, Personality	S1	Physio
BEHS20.83/10294	Sociology of Health I	S2	OT
BEHS2084/10295	Research Methods I: Design	S1	OT
BEHS2085/10296	Research Methods I: Data Analysis	S2	OT
BEHS2087/10298	Research Methods and Statistics	S2	Orthop
BEHS2088/10299	Research Methods and Design	S1	Orthop
BEHS2094/102A6	Clients, Work and Organisations	S1	Leis/Hlth
BEHS2101/102B3	Research Methods II: Data Analysis	S1	CD
BEHS2105/102B7	Behavioural Science IIA	S1	Orthop
BEHS2106/102B8	Behavioural Science IIB	S2	Orthop
BEHS3048/10396	Sociology of Work and Organisations	S2	HIM
BEHS3050/10398	Social Theory and Health	S1	Physio
BEHS3067/103B9	Research Methods II: Data Analysis	S1	Physio
BEHS3071/103C4	Sociology II	S2	CD
BEHS3074/103C7	Behavioural Science IIIB (Health, Med & Society unit only)	S2	MRT
BEHS4022/10457	Health, Medicine and Society	S1	Physio
BEHS4035/10479	Health Psychology	S1	Physio

School of Exercise & Sport Science

EXSS2008/22208	Biomechanics	S1	Physio
EXSS2009/22209	Biomechanics for OT	S2	OT
EXSS3009/22309	Applied Physiology	FY	Physio
EXSS4001/22401	Applied Physiology (for OT)	S1	OT

Students applying for credit transfer in other units must submit documentary evidence of prior learning.

3. Credit Transfer based on TAFE Studies

Due **to** the specialised nature of the Faculty's programs, there are few TAFE subjects which could result in Advanced Standing. Students may seek Specified Credit2 (Exemptions) based on prior learning in TAFE programs by directly contacting the Subject Co-ordinator of the relevant unit.

Completion of the following TAFE studies may provide grounds for the granting of Specified Credit 1 or 2:

Faculty Program
Bachelor of Applied Science (Orthoptics)
TAFE *program/subject*
Advanced Certificate in Optical Dispensing

Notes

1. In some cases, challenge tests may be required in addition to the provision of relevant information to support the student's application.
2. In all cases, including courses not mentioned above, students may approach Unit Co-ordinator(s) responsible for the relevant unit (s) to discuss credit for prior learning.

4. Credit for Prior Learning

Students seeking to gain credit for prior learning which was not recognised by an award (e.g. certificate, degree) may approach the Head of School or Department or specific unit co-ordinator (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 (e.g. record of completion of continuing education programs, publications by the applicant, demonstrated clinical expertise in relation to postgraduate programs). In some cases it may not be realistic or feasible to provide convincing evidence in which case the student would need to continue enrol in the unit(s) in question.

5. Implications of Gaining Credit Transfer

General:

1. Gaining Credit Transfer/Advanced Standing in a unit will decrease the student's workload. It should be noted that a reduced overall workload may affect eligibility for AUSTUDY/ABSTUDY 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.
3. Students gaining Credit Transfer / Advanced Standing are awarded the grade AS which is not included in the calculation of a Grade Point Average (GPA)
4. Gaining credit (exemptions or advanced standing) could influence the student's marks, either by allowing more time for studying other units and improving the marks gained in these units, or by gaining an AS grade instead of a (potentially) high mark (based on successful prior learning) which could increase the GPA. Specified Credit 2 (Exemptions) may also influence the mark and grade achievable in the unit and therefore the GPA.

The Grade Point Average is the basis for:

a) entry into Faculty Honours Programs
b) qualifying for the award of graduation "With Distinction"
c) allocation to a hospital job (via the Allocation Scheme) after graduating from the Bachelor of Applied Science (Physiotherapy).

WAMs for A.P.A.S

The calculation of Weighted Average Mark (W. A.M.) for the award of Australian Postgraduate Awards (scholarships) for postgraduate study involves consideration of all available marks. Only units with marks (i.e. excluding AS and ZP graded units) are considered in the calculation. Thus, credit for prior learning may affect the W.A.M..

Procedures

Details of the process for applying for Credit Transfer are given on the "Credit Transfer 1998" leaflet available from Student Administration (Cumberland) in A Block. Applications should be made on the appropriate form and lodged with Student Administration (Cumberland) by the specified date. Students should attend classes until the results of their credit transfer application are made available in the School / Dep artment. Formal notification of the award of the grade AS (Advanced Standing) in units will occur in the Confirmation of Enrolment (in April) for all units.

Challenge Exams

Credit transfer in some units is determined by challenge exams. The application for credit transfer in all these units (Form A) must be lodged with Student Administration (Cumberland) Wednesday 11 February, 1998. If you are assessed as eligible to sit for one or more challenge exams, 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 March Semester will be held on Thursday 26 February, Friday 27 February and Saturday 28 February, 1998. Results will be posted on the noticeboards in the relevant Schools/ Departments by the end of Week 1.

Challenge exams for units offered in August Semester will be held in the week beginning on Monday 2 March, 1998. Results will be posted on the noticeboards in the relevant Schools/Departments by the end of Week 2.

Credit based on other criteria

Credit transfer in other units is to be determined based on relevant documentation (e.g. record of previous academic study, publications, professional experience). The application for credit transfer in all these units (Form B) mustbe lodged withStudent Administration (Cumberland) by Wednesday 11 February, 1998 with all relevant documentation attached. The results of applications for credit transfer not involving challenge exams willbe advised before the end of the second week of March Semester.

Discontinuation of Studies, Variation of Units and Leave of Absence

General

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

misadventure, and in effective planning to overcome such difficulties.

Discontinuation of Studies

Discontinuation of studies refers to the formal ab andonment of a course of study after enrolment/re-enrolment has been completed.

Students applying to discontinue their studies must complete an "Application for Discontinuation of Studies" form (available from the Student Enquiries Counter) and forward it, together with the completed "Exit Authority" to Student Administration (Cumberland). Forms will not be accepted unless they contain the recommendation(s) / endorsement(s) of the appropriate Heads of Schools/ Departments (or their delegates) and other Cumberland Campus staff. Incomplete application forms will bererurned to the student.

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

To discontinue studies without failure being recorded against enrolled units, the applicationformmustbe accepted by the following dates:

a) For March semester only units, 31 March, 1998;
b) For full-year units and August Semester only units by 31 August, 1998.

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

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

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

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

Re-Admission after Discontinuation or Abandonment of Course

Students who discontinue or abandon a course lose their status as registered students of the University. Any subsequent application for re-admission to the course from which they discontinued must be lodged by the advertised closing date. Such an application will be considered with all other applications received that year for that course. 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 enroment 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 recommendation^)/endorsement(s) of the appropriate Heads of School/Department (or their delegates). An incomplete application form will be returned to the student originating it.

For the application to apply to the p ayment of the Higher Education Contribution, it must be lodged by 31 March in March Semester or by 31 August in August 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 March semester only units, by 31 March, 1998;
b) For full-year units and August Semester only units, by 31 August, 1998.

Undergraduate students whose applications for discontinuation of units are accepted by the Faculty in accordance with the above dates will have their records endorsed "discontinued with failure" for each approved unit. Undergraduate students whose applications are not accepted by the Faculty in accordance with the above dates will have their records endorsed "discontinued without 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 shallnotnormally exceed one yearbut, in exceptional circumstances, up to two years may be granted. Leave is normally granted to the commencement of a semester.

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

Students applying for leave of absence must complete an "Application for Leave of Absence" form (available from the Student Enquiries Counter) and forward it to Student Administration (Cumberland). Theformwillnotbeaccepted unless it contains the recommendation(s) of the appropriate Heads of Schools/Departments (or their delegates) and the completed "Exit Authority". The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it. An incomplete application form will be returned to the student originating it.

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

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

Special Leave

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

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

Examinations and Assessments

General

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

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

Attendance at Assessments

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

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

In certain circumstances, a student maybe permitted to take examinations overseas, generally at a nominated university. These circumstances usually relate to travel for study purposes or for experience directly connected with studies approved by a School or Department. It is the responsibility of the student to obtain the approval of the Head of School/Department through Student Administration (Cumberland) before proceeding overseas.

Approved Assessment Periods

Approved assessment periods shall include assessment:

- conducted in the traditional Week 15 and 16 assessment period; or
- any other assessment approved by the Head, Student Administration (Cumberland).

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

Assessment Timetables

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

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

Rules of Conduct of Written Examinations

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 seats. During this period candidates may complete the following:

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

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

No candidate will be admitted to the examination room after one-quarter of the examination writing period has elapsed nor will any candidate be permitted to leave the examination room within the first quarter of the examination writing period.

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

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

Candidates must answer the examination in thebooklet or answer sheet provided and should only write answers on the ruled pages ofthe answer booklet. No talking is allowed in the examination room. Should material or informationbe 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. Thebooklets should be submitted as directed by the Presiding Officer. No paper, with the exception of the question paper where permitted, may be taken from the examination room. In the case of an objective test or completion-type test, both the question paper and the answer sheet must remain in the examination room.

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

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

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

Reading Time

Reading time of ten minutes prior to the commencement of a written assessment maybe 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. For examinations run by Student Administration (Cumberland), four copies of the form and supporting documentation must be submitted at the Student Enquiries Counter. For examinations and assessments run by a School/Department during semester, applications relating to late submission of assignments or inability to attend class tests should be lodged with the Head of School/Department concerned.

Disability

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

Recording of Results

Students' results will be recorded using the following grades:

HD	High Distinction	indicates an outstanding level of achievement
D	Distinction	indicates an excellent level of achievement
CR	Credit	indicates an above average level of achievement
P	Pass	indicates an acceptable level of achievement
TP	Terminating Pass	indicates an acceptable level of achievement in an Honours unit when the student is transferring to the associated Pass program
I	Assessment Incomplete	indicates assessment in the unit is yet to be completed
AS	Pass with Advanced Standing	indicates a pass with advanced standing in the unit
X	Fail with Post granted	indicates the student's performance did not reach the acceptable level of achievement but was deemed to be of sufficient merit to warrant further assessment
XP	Pass	indicates a pass following . Post Assessment
F	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 carried into a later year of the course (applicable only to research projects and treatises in postgraduate programs)

ZP	Pass on Pass/Fail Basis	Pass granted on a Pass/Fail Basis
CP	Conceded Pass	Indicates the students performance did not reach the required level of achievement in the subject but was deemed acceptable given the students overall performance
V	Interim Result	Student has submitted a thesis /treatise and it is under assessment

Notification of Results

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

End of March Semester

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

End of August Semester

Units that, according to the Faculty Handbooks, are presented either in August Semester only or are presented over both Semesters 1 and 2.

Availability of Results for Terminating Units

Results will be made available to students as follows:

1. Public Display of Results

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

Results will be displayed using the student identity number only.

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

2. Individual Result Notices

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

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

The relationship of grades to percentage marks is as follows:

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

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

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

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

Special Notes

- No results will be given by telephone.
- It is the student's responsibility to ascertain assessment results.
- Advice of a change of address will not be accepted unless in writing and with the student's signature. Preferably, the Change of Address/Name form should be used.

  Only students with an overseas home address who are not returning to their country of origin between semesters, will be permitted to change to their semester address for receipt of result notices.
- Failure to advise the Examinations Branch of the address to which the results are to be sent, and /or absence overseas, on holidays, or because of work or course commitments, will not be accepted as an excuse for non-receipt of assessment results.

  Further, the University will presume that each and every result notice lodged with Australia Post has been delivered no later than seven (7) days after the date of posting, as notified on Official Notice Boards.
- Students who have not received their results within seven (7) days of posting therefore, are responsible for contacting Student Administration (Cumberland) and arranging for a copy of the result notice to be posted or personally collected.

Supplementary Assessments

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

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

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

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

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

a) due to duly certified illness, misadventure or circumstances beyond their control, the student has been unable to undertake an assessment at the appointed time, or takes an assessment under prejudicial conditions; or

b) the student has failed a unit, but the Examiner deems there is doubt about the result; or

c) the student has failed in one or more compulsory sections of a unit even though the composite mark may be greater than 49.9. Students in such a unit must have been advised at the start of the unit of any special requirements, e.g. the need to pass all sections or particular sections of the unit.

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

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

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

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

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

Finalisation of Assessment Requirements

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

Review of Results in a Completed Unit

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

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

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

Appeals Against an Academic Decision

The Faculty of Health Sciences has established procedures whereby **a** student may appeal against an academic decision. In the first instance students should seek a response from the staff member concerned, or the Subject/Course Co-ordinator. If not satisfied, the student should seek an interview with the Head of School/Department to discuss the matter. If not satisfied with the response from the School/Department, the student may appeal to the Dean. Information on these procedures can be obtained from the Head, Student Administration (Cumberland). While the application of these procedures usually relates to assessment matters, particularly following a Review of Results, this is not the only area in which an appeal may be initiated. If a student wishes to formally initiate an appeal against an academic decision, advice maybe sought from the Resource Officer of the Cumberland Student Guild, the Head, Student Welfare Services (Cumberland), or the Student Counsellor.

Graduation "with Distinction"

Outstanding achievement in all 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 maybe 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 at ineligible for an award "with Distinction".

Progression and Exclusion

Progression

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

Students must repeat failed units or their equivalent at the first opportunity and will be permitted to progress to the next semester carrying failed units, providing course requirements, including any co-requisites, pre-requisites and attendance requirements can be met. School Academic Advisors may prescribe the program of study for students repeating failed units.

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

Exclusion

1. Under the Resolutions of the Senate, the Faculty is authorised to require a student to show good cause why he or she should be allowed to repeat (a) a year of candidature in which he or she has failed or discontinued (with failure) more than once, or (b) any unit in which he or she has failed or discontinued (with failure) more than once.

2. Moreover, a student may be required to show good cause why he or she should be allowed to re-enrol in a course in the Faculty if, in the opinion of the Faculty, he or she has not made satisfactory progress towards fulfilling the requirements for that course.
3. While satisfactory progress cannot be defined in all cases in advance, a student who has not successfully completed all first year course requirements within two years (except for students with permission to enrol in the course on less than a full-time basis when the requirement refers to those units in the approved first year enrolment) shall be deemed not to have made satisfactory progress.

Notification of Pending Exclusion

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

Showing Cause

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

Appeal Against Exclusion by Faculty

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

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

Re-admission After Exclusion

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

Other Administrative Information

Conduct

Acceptance as a student in the Faculty implies an undertaking on the part of the student to observe the resolutions and rules of the Faculty and Statutes of the University of Sydney. Students are expected to conduct themselves in an acceptable manner. Smoking, 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 co-ordinator. A student who has not satisfied the attendance requirements for a unit laid down by the School or Department in which the unit is offered may be refused permission to be considered for assessment or to sit for an assessment in that unit.

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

Insurance

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

Change of Address

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

Official Notices

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

The Official Notice Boards are located in the following buildings:

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

Student Records

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

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

Transcripts of academic records are available to:

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

At graduation two transcripts will be issued free of charge. On other occasions, the issue of two transcripts costs $10.00.

Course Work

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

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

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

Access to Buildings by Students After Hours

Approval for after hours access tobuildings must be obtained from relevant Heads of Schools/Departments/Centres.

5 Department of Behavioural Sciences

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

Other units are designed to enable graduates to understand issues related to policy making and to organisations involved in health delivery systems. Ageing, ethnicity and concerns relating to special interest groups are considered. The research methods strand enables graduates to read the professional literature critically and to conduct research in their chosen profession.

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

Summary of Behavioural Sciences Units

Number	Name	School	Page(s)
BEHS1087 (101A2)	Introduction to Psychology	Health Information Management	10-4
BEHS1088 (101A3)	Introduction to Sociology	Health Information Management	10-5
BEHS1091 (101A6)	Psychology of Motor Behaviour	Physiotherapy	14-6
BEHS1094 (101A9)	Introductory Psychology	Occupational Therapy	12-10
BEHS1095 (101B1)	Cognitive Functioning	Occupational Therapy	12-10
BEHS1096 (101B2)	Management of Behaviour	Occupational Therapy	12-10
BEHS1099 (101B5)	Introductory Psychology	Communication Sciences and Disorders	7-5
BEHS1100 (101B6)	Cognitive and Developmental Psychology	Communication Sciences and Disorders	7-5
BEHS1102 (101B8)	Disorders and their Management	Communication Sciences and Disorders	7-5
BEHS1105 (101C2)	Introduction to Health Sociology	Occupational Therapy	12-3
BEHS1106 (101C3)	Psychology I	Occupational Therapy	12-3
BEHS1107 (101C4)	Sociology of Community and Family	Occupational Therapy	12-3
BEHS1108 (101C5)	Research Methods I: Design	Physiotherapy	14-6
BEHS1109 (101C6)	Psychosocial Aspects of Recreation and Sport	Exercise and Sport Science	9-3
BEHS1112 (101C9)	Behavioural Science IA Introduction to Computing	Medical Radiation Technology	11-5
BEHS1113 (101D1)	Behavioural Science IB Introduction to Psychology	Medical Radiation Technology	11-5
BEHS1114 (101D2)	Introduction to Health Sociology	Orthoptics	13-3
BEHS1115 (101D3)	Introduction to Psychology	Orthoptics	13-3
BEHS1117 (101D5)	Research Methods I: Design	Communication Sciences and Disorders	7-5
BEHS1118 (101D6)	Rehabilitation Psychology IA	Community Health	8-17
BEHS1119 (101D7)	Rehabilitation Psychology IB	Community Health	8-17
BEHS1120 (101D8)	Australian Society and Culture A	Community Health	8-17
BEHS1121 (101D9)	Australian Society and Culture B	Community Health	8-17
BEHS1122 (101E0)	Research Methods: Design	Community Health	8-17
BEHS1123 (101E1)	Introductory Psychology	Physiotherapy	14-6
BEHS2073 (10284)	Social Psychology	Health Information Management	10-6
BEHS2075 (10286)	Research Methods I: Design	Health Information Management	10-6
BEHS2076 (10287)	Research Methods II: Data Analysis	Health Information Management	10-6
BEHS2077 (10288)	Social Interaction, Communication and Personality	Physiotherapy	14-8
BEHS2082 (10293)	Introduction to Health Sociology	Occupational Therapy	12-11
BEHS2083 (10294)	Sociology of Health I	Occupational Therapy	12-11
BEHS2084 (10295)	Research Methods I: Design	Occupational Therapy	12-11
BEHS2085 (10296)	Research Methods II: Data Analysis	Occupational Therapy	12-11
BEHS2087 (10298)	Research Methods and Statistics	Orthoptics	13-4
BEHS2088 (10299)	Research Methods and Designs	Orthoptics	13-4

BEHS2089 (102A1)	Health and Human Behaviour II	Community Health 8-9
BEHS2091 (102A3)	Cognitive Neuropsychology I	Communication Sciences and Disorders 7-6
BEHS2094 (102A6)	Clients, Work and Organisations	Occupational Therapy 12-4
BEHS2095 (102A7)	Psychology of Disability I	Occupational Therapy 12-4
BEHS2096 (102A8)	Psychology of Disability II	Occupational Therapy 12-5
BEHS2097 (102A9)	Research Methods I	Occupational Therapy 12-5
BEHS2098 (102B0)	Behaviour Modification and Exercise Adherence	Exercise and Sport Science 9-4
BEHS2101 (102B3)	Research Methods II: Data Analysis	Communication Sciences and Disorders 7-6
BEHS2103 (102B5)	Behavioural Science IIA	Medical Radiation Technology 11-6
BEHS2104 (102B6)	Behavioural Science IIB	Medical Radiation Technology 11-6
BEHS2105 (102B7)	Behavioural Science IIA	Orthoptics 13-4
BEHS2106 (102B8)	Behavioural Science IIB	Orthoptics 13-4
BEHS2107 (102B9)	Psychology of Work and Management	Health Information Management 10-6
BEHS2114 (102C6)	Health and Human Behaviour IIA	Community Health 8-12
BEHS2115 (102C7)	Health and Human Behaviour IIB	Community Health 8-12
BEHS2116 (102C8)	Disability Studies IIA	Community Health 8-12
BEHS2117 (102C9)	Disability Studies EB	Community Health 8-12
BEHS2118 (102D0)	Health and Human Behaviour I	Community Health 8-9
BEHS3044 (10392)	Research Statistics	Physiotherapy 14-12
BEHS3045 (10393)	Social Research	Community Health 8-9
BEHS3047 (10395)	Psychology of Work and Management	Health Information Management 10-7
BEHS3048 (10396)	Sociology of Work and Organisations	Health Information Management 10-7
BEHS3050 (10398)	Social Theory and Health	Physiotherapy 14-9
BEHS3054 (103A3)	Sociology of Health II	Occupational Therapy 12-13
BEHS3055 (103A4)	Health Psychology	Occupational Therapy 12-13
BEHS3056 (103A6)	Research Statistics	Orthoptics 13-7
BEHS3057 (103A7)	Cognitive Neuropsychology II	Communication Sciences and Disorders 7-8
BEHS3059 (103A9)	Patient Management: Theories and Applications	Communication Sciences and Disorders 7-8
BEHS3060 (103B1)	Social and Health Psychology	Communication Sciences and Disorders 7-8
BEHS3064 (103B5)	Research Methods II	Occupational Therapy 12-6
BEHS3065 (103B6)	Sociology of the Aged and Ageing	Occupational Therapy 12-6
BEHS3066 (103B7)	Psychology II	Occupational Therapy 12-6
BEHS3067 (103B9)	Research Methods E: Data Analysis	Physiotherapy 14-9
BEHS3068 (103C1)	Psychological Intervention in Sport and Sociology of Organisations	Exercise and Sport Science 9-5
BEHS3069 (103C2)	Research Methods and Statistics	Occupational Therapy 12-7
BEHS3070 (103C3)	Sociology I	Communication Sciences and Disorders 7-8
BEHS3071 (103C4)	Sociology II	Communication Sciences and Disorders 7-8
BEHS3072 (103C5)	Honours Research Methods: Individual Studies I	Communication Sciences and Disorders 7-11
BEHS3073 (103C6)	Behavioural Science IIIA	Medical Radiation Technology 11-8
BEHS3074 (103C7)	Behavioural Science IIIB	Medical Radiation Technology 11-8
BEHS3078 (103D1)	Social Research A	Community Health 8-13
BEHS3079 (103D2)	Social Research B	Community Health 8-13
BEHS4022 (10457)	Health, Medicine and Society	Physiotherapy 14-11
BEHS4026 (10465)	Psychology of Adulthood and Ageing	Occupational Therapy 12-13
BEHS4027 (10466)	Social Psychology	Occupational Therapy 12-14
BEHS4028 (10467)	Sociology Elective	Occupational Therapy 12-14
BEHS4032 (10475)	Research Methods and Statistics	Medical Radiation Technology 11-10
BEHS4035 (10479)	Health Psychology	Physiotherapy 14-11
BEHS4036 (10480)	Honours Research Methods Individual Studies II	Communication Sciences and Disorders 7-11
BEHS4037 (10489)	Intermediate Statistics	Appendix 1 A-1 Medical Radiation Technology 11-11 Health Information Management 10-8
BEHS4038 (10490)	Multivariate Statistics	Medical Radiation Technology 11-11
BEHS4039 (10491)	Qualitative Research Methods	Appendix 1 A-2 Medical Radiation Technology 11-11
BEHS4040 (10492)	Survey Research Methods	Appendix 1 A-2
BEHS4040 (10492)	Survey Research Methods	Medical Radiation Technology 11-11
BEHS4041 (10493)	Developing a Research Project	Appendix 1 A-2 Orthoptics 13-7

6 Department of Biomedical Sciences

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

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

Summary of Biomedical Sciences Units

Number	Name	School	Page(s)
BIOS1054 (11158)	Introductory Human Biology	Physiotherapy	14-7
BIOS1055 (11161)	Body Systems I	Physiotherapy	14-7
BIOS1064 (11172)	Functional Anatomy A	Physiotherapy	14-7
BIOS1065 (11173)	Functional Anatomy B	Physiotherapy	14-7
BIOS1068 (11176)	Introductory Human Biology	Communication Sciences and Disorders	7-5
		Orthoptics	13-3
		Occupational Therapy	12-10
BIOS1069 (11177)	Musculoskeletal Anatomy	Occupational Therapy	12-10
BIOS1070 (11178)	Introductory Neurobiology	Communication Sciences and Disorders	7-5
		Orthoptics	13-3
		Occupational Therapy	12-10
BIOS1071 (11179)	Neurobiology I	Communication Sciences and Disorders	7-6
		Orthoptics	13-3
		Occupational Therapy	12-10
BIOS1072 (11180)	Optics I	Orthoptics	13-3
BIOS1073 (11181)	Body Systems I	Communication Sciences and Disorders	7-6
		Orthoptics	13-4
BIOS1074 (11182)	Optics II	Orthoptics	13-4
BIOS1076 (11184)	Biological Sciences I	Community Health	8-9
BIOS1079 (11187)	Molecules, Food and Energy	Exercise and Sport Science	9-3
BIOS1082 (11191)	Introductory Neurobiology	Physiotherapy	14-7
BIOS1083 (11192)	Neurobiology I	Physiotherapy	14-7
BIOS1084 (11193)	Introductory Human Biology	Medical Radiation Technology	11-5
BIOS1094 (111A3)	Fundamental Computer Skills	Exercise and Sport Science	9-3
BIOS1095 (111A4)	Data Management and Presentation	Exercise and Sport Science	9-4
BIOS1098 (111A7)	Speech and Hearing Science I	Communication Sciences and Disorders	7-6
BIOS1099 (111A8)	Speech and Hearing Science II	Communication Sciences and Disorders	7-6
BIOS1100 (111A9)	Radiation Physics A	Medical Radiation Technology	11-5
BIOS1101 (111B0)	Radiation Physics B	Medical Radiation Technology	11-5
BIOS1102 (111B1)	Anatomy of Body Systems A	Medical Radiation Technology	11-5
BIOS1103 (111B2)	Anatomy of Body Systems B	Medical Radiation Technology	11-5
BIOS1104 (111B3)	Basic Human Biology IA	Health Information Management	10-5
BIOS1105 (111B4)	Basic Human Biology IB	Health Information Management	10-5
BIOS1106 (111B5)	Biological Sciences IA	Occupational Therapy	12-3
BIOS1107 (111B6)	Biological Sciences IB	Occupational Therapy	12-3
BIOS1108 (111B7)	Body Structure, Homeostasis and Movement I	Exercise and Sport Science	9-3
BIOS1109 (111B8)	Body Structure, Homeostasis and Movement II	Exercise and Sport Science	9-3
BIOS1110 (111B9)	Human Anatomy and Physiology A	Community Health	8-17
BIOS1111 (111C0)	Human Anatomy and Physiology B	Community Health	8-17
BIOS2037 (11286)	Body Systems II	Physiotherapy	14-8
BIOS2038 (11287)	Neurobiology II	Physiotherapy	14-8
BIOS2056 (112A7)	Neurobiology II	Occupational Therapy	12-12
BIOS2057 (112A8)	Body Systems I	Occupational Therapy	12-12
BIOS2060 (112B1)	Introductory Pathology	Orthoptics	13-4

BIOS2061 (112B2)	Ocular Biology	Orthoptics	13-5
BIOS2062 (112B3)	Neurobiology II for Communication Disorders	Communication Sciences and Disorders	7-6
BIOS2063 (112B4)	Visual Neurobiology	Orthoptics	13-5
BIOS2067 (112B8)	Biological Sciences II	Community Health	8-9
BIOS2073 (112C5)	Kinesiology and Applied Anatomy	Exercise and Sport Science	9-4
BIOS2075 (112C7)	Hormones, Metabolism and Exercise	Exercise and Sport Science	9-4
BIOS2078 (112D3)	Pathophysiology A	Medical Radiation Technology	11-6
BIOS2079 (112D4)	Pathophysiology B	Medical Radiation Technology	11-6
BIOS2080 (112D5)	Tumour Pathology A	Medical Radiation Technology	11-6
BIOS2081 (112D6)	Tumour Pathology B	Medical Radiation Technology	11-6
BIOS2082 (112D7)	Basic Human Biology IIA	Health Information Management	10-6
BIOS2083 (112D8)	Basic Human Biology IIB	Health Information Management	10-6
BIOS2084 (112D9)	Biological Sciences IIA	Occupational Therapy	12-5
BIOS2085 (112EO)	Biological Sciences IIB	Occupational Therapy	12-5
BIOS2088 (112E3)	Biological Sciences IIA	Community Health	8-12
BIOS2089 (112E4)	Biological Sciences IIB	Community Health	8-12
BIOS3019 (11374)	Body Systems III	Physiotherapy	14-10
BIOS3027 (11382)	Body Systems II	Occupational Therapy	12-13
BIOS3029 (11384)	Neurology for Communication Disorders	Communication Sciences and Disorders	7-8
BIOS3031 (11386)	Bio-electrical Signals and Computing	Orthoptics	13-5
BIOS3032 (11387)	Embryology and Neural Plasticity	Orthoptics	13-5
BIOS3033 (11388)	Biological Sciences III	Community Health	8-9
BIOS3042 (11397)	Biological Sciences IIIA	Occupational Therapy	12-6
BIOS3043 (11398)	Biological Sciences IIIB	Occupational Therapy	12-6
BIOS3044 (11399)	Biological Sciences IIIA	Community Health	8-13
BIOS3045 (113A0)	Biological Sciences IHB	Community Health	8-13
BIOS4029 (11466)	Visual Science	Orthoptics	13-6

7 School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders was among the first group of professional schools to be established when, what was then a college, was formed in 1973. At that time the School offered a three-year Diploma course in Speech Pathology. Within three years the School had developed and implemented a three-year degree course that led to the award of the Bachelor of Applied Science in Speech Pathology. In 1979, the Master of Applied Science course in Speech Pathology was initiated, followed two years later by the expansion of the Bachelor's course to a 3M year, full-time course of study. As of 1993 the Bachelor level course, both pass and honours stream, is of four years duration. The School's commitment to the professional preparation of speech pathologists and to the development of the academic discipline that underpins professional practice has prompted the School to advocate continually for the offering of further advanced educational opportunities in the communication sciences and disorders. In 1990 the School admitted its first students studying at the Doctor of Philosophy (PhD) level. As a result of these developments, opportunities to study at the Bachelor's, Master's, and PhD levels are now available, as well as opportunities to pursue a Bachelor Honours degree.

The degree designed to prepare individuals to practise as Speech Pathologists (formerly known as Speech Therapists) is the Bachelor of Applied Science (Speech Pathology) course. The field of Speech Pathology involves the study and treatment of communication disorders in both children and adults. Speech Pathologists assess and treat in medical, educational, and private settings a wide variety of disorders resulting from varied aetiologies. Within the Bachelor of Applied Science course in Speech Pathology, the School offers an Honours Program. This program provides opportunities for talented undergraduate students interested in research and/or pursuing graduate studies to obtain early experiences in the design and conduct of research in communication sciences and disorders.

In contrast to the undergraduate course, at the postgraduate level the Master of Communication Disorders course provides speech pathologists with the opportunity to develop specialisation in a clinical area via research. The Master of Applied Science course in Communication Sciences and Disorders is a research program designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics, or researchers in the field of communication sciences and disorders. In both programs topics are individualised for students in order for them to meet their specific career objectives.

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

The School of Communication Sciences and Disorders has a variety of facilities and resources that support its teaching, student clinical practice, research and community service activities. Its on-campus specialist area houses the Communication Disorders Treatment and Research Clinic which is a centre of excellence that serves communicatively impaired children and adults. The Audiology Clinic and the Cumberland Stuttering Research and Treatment Clinic are part of this Clinic. Other unique facilities are student units located in various hospitals and centres in the Sydney metropolitan and country NSW areas.

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

Information about the School and its courses of study can be obtamed from Student Administration (Cumberland), 9 351 9161, or from the Admissions Co-ordinator in the School of Communication Sciences and Disorders, 9 351 9450.

Table 7.1 Bachelor of Applied Science (Speech Pathology)

Course Code *Mode of Offer*
1206 *Full-time, 4 years*
1217 *Honours, Full-time, 4 years*
1207 *Modified Course, Full-time, 2 1/2 years*

Pass Course

				Sem 1	**Sem 2**
Year 1					
BEHS1099	(101B5)	Introductory Psychology		3	
BEHS1100	(101B6)	Cognitive and Developmental Psychology			5
BEHS1117	(101D5)	Research Methods I: Design		3	
BEHS1102	(101B8)	Disorders and their Management			4
BIOS1068	(11176)	Introductory Human Biology		4	
BIOS1070	(11178)	Introductory Neurobiology		3	
BIOS1071	(11179)	Neurobiology I			2
BIOS1073	(11181)	Body Systems I			4
BIOS1098	(111A7)	Speech and Hearing Science I		3	
BIOS1099	(111A8)	Speech and Hearing Science II			3
CSCD1024	(12124)	Linguistics		3	
CSCD1025	(12125)	Professional Development I: Introduction to Clinical Learning			2
CSCD1026	(12126)	Phonetics I		2	
CSCD1028	(12128)	Normal Communication Development		3	
CSCD1029	(12129)	Articulation and Phonology			4
		Stage Total	*48*	*24*	*24*
Year 2					
BEHS2091	(102A3)	Cognitive Neuropsychology I			5
BEHS2101	(102B3)	Research Methods II: Data Analysis		3	
BIOS2062	(112B3)	Neurobiology II for Communication Disorders		6	
CSCD2030	(12278)	Voice Science and Disorders			4
CSCD2041	(12289)	Language Impairments in Children I		3	
CSCD2042	(12290)	Language Impairments in Children II			3
CSCD2043	(12291)	Stuttering		3	
CSCD2044	(12292)	Professional Development II: Clinical Skills		3	
CSCD2035	(12283)	Phonetics II		2	
CSCD2040	(12288)	Audiology		3	
CSCD2046	(12294)	Audiological Management I			3
CSCD2047	(12295)	Speech and Language Impairments of Neurological Origin I			3
CSCD2048	(12296)	Introductory Speech Pathology Clinical I		1	
CSCD2049	(12297)	Introductory Speech Pathology Clinical II			3
CSCD2050	(12298)	Phonological Impairments			3
		Stage Total	*48*	*24*	*24*

Year 3

BEHS3057	(103A7)	Cognitive Neuropsychology II			3
BEHS3070	(103C3)	Sociology I		2	
BEHS3071	(103C4)	Sociology II			2
BEHS3059	(103A9)	Patient Management: Theories and Applications		5	
BEHS3060	(103B1)	Social and Health Psychology			4
BIOS3029	(11384)	Neurology for Communication Disorders		1	
CSCD3048	(12346)	Audiological Management			2
CSCD3023	(12327)	Speech and Language Impairments of Neurological Origin II		4	
CSCD3024	(12328)	Communication Impairments in Special Populations		3	
CSCD3036	(12340)	Language Impairments in Children III			2
CSCD3032	(12336)	Professional Development III: Management Skills		3	
CSCD3037	(12341)	Swallowing Impairments		2	
CSCD3034	(12338)	Craniofacial Anomalies			3
CSCD3038	(12342)	Intermediate Speech Pathology Clinical I		4	
CSCD3039	(12343)	Intermediate Speech Pathology Clinical II			8[1]
		Stage Total	*48*	*24*	*24*

Year 4

Students in Year 4 of the course will be assigned to either Group A or B. Group assignment will known by the end of Semester 1, Year 3. In Year 4, students in Group A enrol in units of study with the alpha "A" in the names of the units (eg.,"Advanced Topics A") while students in Group B enrol in units of study containing the alpha "B" in the name (eg., "Advanced Topics **B").**

Group A

CSCD4026	(12431)	Advanced Topics A[2]		6	
CSCD4027	(12432)	Professional Development IVA: Advanced Issues		6	
CSCD4028	(12433)	Advanced Speech Pathology Clinical LA		12	
CSCD4039	(12434)	Advanced Speech Pathology Clinical IIA			24
		Stage Total	*48*	*24*	*24*

Group B

CSCD4030	(12435)	Advanced Topics *W*			6
CSCD4031	(12436)	Professional Development IVB: Advanced Issues			6
CSCD4032	(12437)	Advanced Speech Pathology Clinical IB			12
CSCD4033	(12438)	Advanced Speech Pathology Clinical LIB		24	
		Stage Total	*48*	*24*	*24*

Modified Course

Year 3 (last offered in 1998)

CSCD4018	(12423)	Professional Development IVA: Advanced Issues		6
CSCD4019	(12424)	Speech Pathology Clinical III: Child		12[3]
CSCD4020	(12425)	Speech Pathology Clinical III: Adult		6[3]
		Stage Total	*24*	*24*

Notes

[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.

[2] Honours students do not enrol in CSCD4026 or CSCD4030. They are, however, encouraged to audit one of these units of study.

[3] May include block clinical placements before and/or after Semester 1.

Honours Program - Additional Units

Year 3

CSCD3040	(12344)	Honours Research Seminar I: Literature Review		3	
CSCD3041	(12345)	Honours Research Seminar II: Research Proposal			2
BEHS3072	(103C5)	Honours Research Methods: Individual Studies I			1
		Stage Total	*6*	*3*	*3*

Year 4

CSCD4034	(12439)	Honours Research Seminar III: Research Strategies		3	
CSCD4025	(12430)	Honours Thesis		9	5
BEHS4036	(10480)	Honours Research Methods: Individual Studies II			1

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. The University offers an enrolment distinction between full-time and part-time students. Students enrollingp art-time are those enrolled in a minimum of 6 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.

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 clinic placements, as well as clinic block placements, are required for completion of the BAppSc (Speech Pathology) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

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

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

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

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

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

Admission Requirements

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

For the Bachelor of Applied Science (Speech Pathology) Modified Course, completion of an approved Bachelor of Arts degree with majors in both Linguistics and Psychology is required. The last intake into the Modified Course was in 1996.

Course Outline

The course outline for the Bachelor of Applied Science (Speech Pathology) is presented in Table 7.1.

Unit Descriptions

Year 1

BEHS1099 (101B5) Introductory Psychology
Semester 1-3 credit points
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.

BEHS1100 (101B6) Cognitive and Developmental Psychology
Semester 2 - 5 credit points
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.

BEHS1117 (101D5) Research Methods I: Design
Semester 1 - 3 credit points
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, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques willbe discussed and students willbe introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology.

BEHS1102 (101B8) Disorders and their Management
Semester 2- 4 credit points
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.

BIOS1068 (11176) Introductory Human Biology
Semester 1 - 4 credit points
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.

BIOS1070 (11178) Introductory Neurobiology
Semester 1 - 3 credit points
Co-requisite Introductory Human Biology (BIOS1068)
This unit introduces the student to the basic structure and function of the nervous system, and the physiology of nerve 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.

BI0S1071 (11179) Neurobiology I

Semester 2 - 2 credit points

Pre-requisite or Co-requisite by permission Introductory Neurobiology (BIOS1070)

This unit covers spinal reflex mechanisms, as well as the structure and function of the somatosensory system. There is also a discussion of the autonomic nervous system. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS1073 (11181) Body Systems I

Semester 2 - 4 credit points

Pre-requisite or Co-requisite by permission Introductory Human Biology (BIOS 1068)

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

B1OS1098 (111A7) Speech and Hearing Science I

Semester 1-3 credit points

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.

BIOS1099 (111A8) Speech and Hearing Science II

Semester 2 - 3 credit points

This unit of study aims to provide an understanding of the physics, anatomy and physiology of the speech and hearing mechanisms. It also includes the development of the embryo with special reference to the organs of hearing. The unit of study includes laboratory classes in which human cadavers are used; attendance at such classes is required.

CSCD1024 (12124) Linguistics

Semester 1-3 credit points

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 (12125) Professional Development I: Introduction to Clinical Learning

Semester 2 - 2 credit points

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

CSCD1026 (12126) Phonetics I

Semester 1 - 2 credit points

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

CSCD1028 (12128) Normal Communication Development

Semester 1 - 3 credit points

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

CSCD1029 (12129) Articulation and Phonology

Semester 2 - 4 credit points

Recommended background units ofstudy Linguistics (CSCD1024); Normal Communication Development (CSCD1028); Phonetics I (CSCD1026)

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

Year 2

BEHS2091 (102A3) Cognitive Neuropsychology I

Semester 1 - 5 credit points

Pre-requisite or Co-requisite by permission Cognitive and Developmental Psychology (BEHS1100/101B6)

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

BEHS2101 (102B3) Research Methods II: Data Analysis

Semester 1 - 3 credit points

Pre-requisite or Co-requisite by permission Research Methods I: Design (BEHS1117/101D5)

This unit builds on Research Methods I: Design and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from the allied health sciences, 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, correlation and regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance.

BIOS2062(112B3) Neurobiology II for Communication Disorders

Semester 1 - 6 credit points

Pre-requisite Neurobiology I (11179)

This unit of study considers the anatomy and physiology of special sensory systems and the control and integration of somatic motor activity with special reference to communication. The autonomic nervous system and higher functions and adaptive properties of the nervous system are also examined. Considerable emphasis is placed on the anatomical andphysiologicalbasis of neurologicalproblems 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.

CSCD2043 (12291) Stuttering

Semester 1-3 credit points

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

CSCD2030 (12278) Voice Science and Disorders

Semester 2-4 credit points

Pre-requisite Speech and Hearing Science (11190)

Pre-requisite or Co-requisite by permission Speech and Hearing Science II (BIOS 1099)

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.

CSCD2041 (12289) Language Impairments in Children I

Semester 1-3 credit points

Pre-requisite or Co-requisite by permission Linguistics (CSCD1024/12124), Normal Communication Development (CSCD1028/12128)

Language impairments occurring in children; principles of language evaluation; reviews and analysis of assessment procedures.

CSCD2042 (12290) Language Impairments in Children II

Semester 2- 3 credit points

Pre-requisite Linguistics (12124), Normal Communication Development (12128), Language Impairments in Children I (CSCD2041)

Principles of individual and programmed strategies for intervention for children with language impairments.

CSCD2044 (12292) Professional Development II: Clinical Skills

Semester 1 - 3 credit points

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

CSCD2035 (12283) Phonetics II

Semester 1 - 2 credit points

Recommended background units of study Phonetics I (CSCD1026/12126); Speech and Hearing Science I (CSCD1098); Speech and Hearing Science II (CSCD 1099); or Speech and Hearing Science (11190)

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

CSCD2040 (12288) Audiology

Semester 1-3 credit points

Pre-requisite or Co-requisite by permission Speech and Hearing Science I (CSCD1098); Speech and Hearing Science II (CSCD1099); or Speech and Hearing Science (11190)

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.

CSCD2046 (12294) Audiological Management I

Semester 2 - 3 credit points

Recommended background unit of study Audiology (CSCD2040)

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

CSCD2047 (12295) Speech and Language Impairments of Neurological Origin I

Semester 2 - 3 credit points

Recommended background unit of study Neurobiology II for Communication Disorders (BIOS2062)

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.

CSCD2048 (12296) Introductory Speech Pathology Clinical I

Semester 1 -1 credit point

Pre-requisites Professional Development I (CSCD1025/12125), Articulation and Phonology (CSCD1029/12129)

Pre-requisites or Co-requisites by permission Linguistics (CSCD1024/12124), Phonetics I (CSCD1026/1212B), Normal Communication Development (CSCD1028/12128)

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.

CSCD2050 (12298) Phonological Impairment

Semester 2 - 3 credit points

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

CSCD2049 (12297) Introductory Speech Pathology Clinical II

Semester 2 -1 credit point

Pre-requisites Linguistics (CSCD1024/12124), Phonetics I (CSCD1026/12126), Normal Communication Development (CSCD1028/12128), Professional Development I (CSCD1025/12125), Articulation and Phonology (CSCD1029), Stuttering (12127) for 1998

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.

Year 3

BEHS3057 (103A7) Cognitive Neuropsychology II

Semester 2 - 3 credit points

Pre-requisite or Co-requisites Cognitive Neuropsychology I (BEHS2091/102A3)

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

BEHS3070 (103C3) Sociology I

Semester 1 - 2 credit points

This unit aims to develop an understanding of basic sociological theories and concepts as they relate to health. It examines the social structures, institutions and processes relevant to analysing Australian and other societies.

BEHS3071 (103C4) Sociology II

Semester 2 - 2 credit points

Pre-requisites Sociology I (BEHS3070)

This unit builds on the analysis of health undertaken in Sociology I and considers micro sociological perspectives related to client-practitioner relationships, communication, the sick role, institutionalisation and emotion work. Macro sociological perspectives will be applied in analysing the health bureaucracy, health policy, health service delivery and the impact of changing consumer demands.

BEHS3059 (103A9) Patient Management: Theories and Applications

Semester 1-5 credit points

Pre-requisites Introductory Psychology (BEHS1099/101B5), Cognitive and Developmental Psychology (BEHS1100/101B6), Disorders and their Management (BEHS1102/101B8)

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.

BEHS3060 (103B1) Social and Health Psychology

Semester 2- 4 credit points

Pre-requisite Introductory Psychology (BEHS1099/101B5)

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.

BIOS3029 (11384) Neurology for Communication Disorders

Semester 1 -1 credit point

Pre-requisite Neurobiology II for Communication Disorders (BIOS2062/112B3)

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

CSCD3048 (12346) Audiological Management

Semester 2- 2 credit points

Pre-requisite Audiology (CSCD2040/12288)

Recommended background units of study Articulation and Phonology (CSCD1029/12129), Language Impairments in Children I (12280), Audiological Management I (CSCD2046/12294)

Theoretical and clinical issues related to sensory aids for the hearing impaired and to assessment and intervention of the communication problems for hearing-impaired adults adn those of children with acquired and congenital hearing loss.

CSCD3023 (12327) Speech and Language Impairments of Neurological Origin II

Semester 1-4 credit points

Recommended background unit of study Speech and Language Impairments of Neurological Origin I (CSCD2047/12295)

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.

CSCD3024 (12328) Communication Impairments in Special Populations

Semester 1 - 3 credit points

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

CSCD3036 (12340) Language Impairments in Children III

Semester 2 - 2 credit points

Pre-requisite or Co-requisite by permission Language Impairments in Children I (CSCD2041); Language Impairments in Children II (CSCD2042); or Language Impairments in Children I (12280)

Recommended background unit of study Introductory Speech Pathology Clinical II (CSCD2049)

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

CSCD3032 (12336) Professional Development III: Management Skills

Semester 1-3 credit points

Pre-requisites or Co-requisites by permission Professional Development IIA: Clinical Skills (CSCD2044); Professional Development IIB: Clinical Skills (CSCD2045) or Professional Development II: Clinical Skills (12282); Introductory Speech Pathology Clinical I (CSCD2048); or Speech Pathology Clinical I (12287)

Recommended background unit of study Introductory Speech Pathology Clinical II (CSCD2049)

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 involvementinrelevantprofessional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection.

CSCD3037 (12341) Swallowing Impairments

Semester 1-2 credit points

Pre-requisite or Co-requisite by permission Speech and Hearing Science I (BIOS1098); Speech and Hearing Science II (BIOS1099); Speech and Hearing Science (11190); or Neurobiology II for Communication Disorders (BIOS2062/11283)

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.

CSCD3034 (12338) Craniofacial Anomalies

Semester 2 - 3 credit points

Recommended background units of study Voice Science and Disorders (CSCD2030/12278) or Speech and Hearing Science I (11190)

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

CSCD3038 (12342) Intermediate Speech Pathology Clinical I

Semester 1 - 4 credit points

Pre-requisites Speech Pathology Clinical I (12287), Language Impairments in Children I (12280), Audiology(CSCD2040/12288)

Students work with child and adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study, although they may roster through off-campus sites for short-term specialist experiences. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

CSCD3039 (12343) Intermediate Speech Pathology Clinical II

Semester 2 - 8 credit points

Pre-requisites Intermediate Speech Pathology Clinical I (CSCD3038/12342); Speech and Language Impairments of Neurological Origin II (CSCD3023/12327); Neurology for Communication Disorders (BIOS3029/11384); Swallowing Impairments (CSCD3037/12341); Voice Science and Disorders (CSCD2030/12278)

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. On completion of Voice Science and Disorders (CSCD2030) students may begin observations in hospital voice clinics affiliated with the School. These visits may continue throughout years 3 and 4 of the course. A minimum number of such visits is required for a pass in this unit of study. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Origin II (CSCD3023), Swallowing Impairments (CSCD3037) and [illegible] Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

Year 4

CSCD4026 (12431) Advanced Topics A

Semester 1 - 6 credit points

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.

CSCD4027 (12432) Professional Development IVA: Advanced Issues

Semester 1 - 6 credit points

Pre-requisite Professional Development III: Management Skills (CSCD3032/12336)

Recommended background unit of study Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinical II: Child (12337)

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.

CSCD4028 (12433) Advanced Speech Pathology Clinical IA

Semester 1 -12 credit points

Pre-requisite Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinical II: Child (12337)

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis and may be involved in the introductory clinical experiences of beginning students. Students also participate in the Advanced Assessment Clinic.

CSCD4029 (12434) Advanced Speech Pathology Clinical IIA

Semester 2- 24 credit points

Pre-requisite Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinicalll: Child (12337) 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.

CSCD4030 (12435) Advanced Topics B

Semester 2 - 6 credit points

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.

CSCD4031 (12436) Professional Development IVB: Advanced Issues

Semester 2- 6 credit points

Pre-requisite Professional Development III: Management Skills (CSCD3032/12336)

Recommended background unit of study Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinical II: Child (12337)

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.

CSCD4032 (12437) Advanced Speech Pathology Clinical IB

Semester 2-12 credit points

Pre-requisite Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinical II: Child (12337)

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis and may be involved in the introductory clinical experiences of beginning students. Students also participate in the Advanced Assessment Clinic. At the completion of this unit of study, students will participate in debriefing tutorials on-campus or in other debriefing activities as agreed upon in advance by the Director of Clinical Education. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD4033 (12438) Advanced Speech Pathology Clinical MB

Semester 1 - 24 credit points

Pre-requisite Speech Pathology Clinical II: Adult (12335) and/or Speech Pathology Clinical II: Child (12337) 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.

Honours Program

General information related to the Honours Program is presented in Chapter 3. For information specific to the Speech Pathology Honours Program, students are advised to contact the Honours Co-ordinator for the School of Communication Sciences and Disorders.

Students in the Honours Program complete all year three and year four units of study in the Pass Program, except Advanced Topics A (CSCD4026) and Advanced Topics B (CSCD4030) from which they are exempt as long as they remain in the Honours Program. Students in the Honours Program are, however, encouraged to audit one of these units of study. In addition, students in the Honours Program complete the following:

Year 3

CSCD3040 (12344) Honours Research Seminar I: Literature Review
Semester 1 - 3 credit points
Pre-requisite Admission to the Honours Program
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.

CSCD3041 (12345) Honours Research Seminar II: Research Proposal
Semester 2 • 2 credit points
Pre-requisite Honours Research Seminar I (CSCD3040)
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.

BEHS3072 (103C5) Honours Research Methods: Individual Studies I
Semester 2-1 credit point
Pre-requisite Honours Research Seminar I (CSCD3040)
This unit provides the opportunity for Honours students to examine and discuss on a consultative basis with research and/or statistics academic staff members concerns regarding preliminary design and data analyses related to their individual projects.

Year 4

CSCD4025 (12430) Honours Thesis
Semester 1 and 2- 14 credit points
Pre-requisites Honours Research Seminar I (12339); satisfactory performance in year units of the Pass degree course
Co-requisite Honours Research Seminar III: Research Strategies (CSCD4034)
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.

CSCD4035 (12439) Honours Research Seminar **III:** Research Strategies
Semester 1 - 3 credit points
Pre-requisites Honours Research Seminar I (12339); satisfactory performance in year units of the Pass degree course.
This 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. Students who complete this unit will be deemed as having completed either Advanced Topics A (CSCD4026) or Advanced Topics B (CSCD4030). Students who withdraw from the Honours Program must complete either Advanced Topics A (CSCD4026) or Advanced Topics B (CSCD4030).

BEHS4036 (10480) Honours Research Methods Individual Studies II
Semester 2 -1 credit point
Co-requisite Honours Thesis (CSCD402S)
This unit provides a continuing opportunity for Honours student to discuss on a consultative basis with research and/or statistics academic staff members concerns regarding data analyses and interpretation related to their individual projects.

Bachelor of Applied Science (Speech Pathology) Modified Course

The last intake for this course was in 1996.

Course Outline

The course outline is presented in Table 7.1.

Unit Descriptions

CSCD4018 (12423) Professional Development IVA: Advanced Issues
Semester 1 - 6 credit points
Pre-requisites Professional Development III: Management Skills (12336)
Recommended Background Units Speech Pathology Clinical II: Child (12337); Speech Pathology Clinical II: Adult (12335)
During their "on-campus" semester, students select seminars from topics such as administration, computers and technology application to clinical practice and management, health promotion, quality assurance, casemix, clinical education, rural health issues. They complete the required accumulation of professional development experiences required for their *portfolio* throughout involvement in relevanant professional, community, or clinical activities. At the completion of their "off-campus" semester, students participate in debriefing tutorials on-campus or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.
Note: These hours may be reversed across each semester as only half of the students participate at any one time.

CSCD4019 (12424) Speech Pathology Clinical III: Child
Semester 1-12 credit points
Pre-requisites Speech Pathology Clinical II: Child (12337)
Students participate in a variety of clinical management and clinical service activities with child clients in both on- and off-campus sites. Theyparticipateinsupervisory 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 and a minimum of 300 hours of clinical practice.

CSCD4020 (12425) Speech Pathology Clinical III: Adult
Semester 1-6 credit points
Pre-requisite Speech Pathology Clinical 11: Adult (12335); Language Impairments of Neurological Origin II (12327)
Students par ticipate in a variety of clinical management and clinical service activities with adult clients in both on- and off-campus sites. Theyparticipateinsupervisory conferences on a regular basis.

Clinical Education

Students in the Bachelor of Applied Science course in Speech Pathology participate in a wide variety of clinical practice experiences throughout their undergraduate education. These range from observational opportunities to supervised practice with clients/patients. Clinical practice occurs in the on-campus clinic and in hospitals, public schools, community health centres, and rehabilitation centres in metropolitan and country areas.

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

1998 Clinical Practice Dates

Year 2
Pre-Semester 1
Clinic Orientation
Wednesday & Friday February 25-27
Semester 1
As arranged
March 2 - June 5
Pre-Semester 2
Clinic Orientation
Wednesday & Friday August 5-7
Semester 2
As arranged
August 10 - November 13
Year 3
Pre-Semester 1
Clinic Orientation
Wednesday & Friday February 25-27
Semester 1
As arranged
March 2 - June 5
Inter-Semester
3 weeks June 29 - August 7 OR
3 weeks December - February
Pre-Semester 2
Clinic Orientation
Wednesday & Friday August 5-7
Semester 2
As arranged
August 10 - November 13
Year 4
Pre-Semester 1
(only for students spending Semester 1 on-campus)
Clinic Orientation
Wednesday & Friday February 25-27
Semester lor 2
As arranged
March 2 - June 5 OR
August 10 - November 13
Pre-Semester 2
(only for students spending Semester 2 on-campus)
Clinic Orientation
Wednesday & Friday August 5-7
Semester 2 or 2
12 weeks
March 2-May 29 OR
August 10 - November 6
Debriefing week for all year 4 students
November 9-13

8 School of Community Health

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

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

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

In 1993 the Bachelor of Health Science (Aboriginal Health and Community Development) was offered for the first time. This course adopts a holistic approach to Aboriginal health to equip both Aboriginal and non-Aboriginal people with skills and knowledge to develop programs whichmeet the health and community needs of Aboriginal people.

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

At the graduate level the School offers PhD and Master by research programs in Community Health, Rehabilitation Counselling, Gerontology and Health Science Education. Graduate Diploma and Master by coursework programs are also offered in each of these areas. A Graduate Certificate in Health Science Education was introduced in 1992. In 1994 Distance Education studies in Rehabilitation Counselling at the Graduate Diploma and Masters levels were introduced. Further information about the School's programs may be obtained from the School on (02) 9 351 9565.

Table 8.1 Diploma of Health Science (Aboriginal Health and Community Development)

Course Code — *Mode of Offer*

0767 — *Full-time; 2 years block attendance, plus off-campus*

				Sem 1	**Sem** 2
Year 1					
AHCD1028	(07177)	Perspectives in Indigenous Health I		6	-
AHCD1029	(07179)	Communication Studies I		6	-
AHCD1030	(07180)	Primary Health Care I		-	6
AHCD1031	(07181)	Community Development I		-	6
AHCD1032	(07182)	Counselling I		6	-
		Elective Studies IA		6	-
		Elective Studies IB		-	6
AHCD1035	(07185)	Field Education I		-	6
			Stage Total	*24*	*24*

Year 2 (to be first offered in 1998)

AHCD2013 (07260)	Perspectives in Indigenous Health II	6	-
AHCD2014 (07261)	Communication Studies II	6	-
AHCD2015 (07262)	Primary Health Care II	-	6
AHCD2016 (07263)	Community Development II	-	6
AHCD2017 (07264)	Counselling II	6	-
	Elective Studies IIA	6	-
	Elective Studies IIB	-	6
AHCD2020 (07267)	Field Education II	-	6
	Stage Total	*24*	*24*

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 the Faculty 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 ahealth 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 Co-operatives.

Course Outline

The course outline for the Diploma of Health Science (Aboriginal Health and Community Development) is presented in Table 8.1.

Unit Descriptions

Year 1

AHCD1028 (07177) Perspectives in Indigenous Health I
Semester 1 - 6 credit points
This subject consists of two units - Dreamings-Culture-Society and Culture Contact and Conflict. Dreamings-Culture-Society gives an overview of the arrival of humans to Australia, from both an Aboriginal and non-Aboriginal perspective. As anintroductoryunitto the AboriginalStudies sequence, this unit will establish terms and definitions that will be found throughout Aboriginal Studies, and will provide models and information that may be referred back to during the program. Primarily Dreamings-Culture-Society will be concerned with surveying traditional, or pre-contact, Aboriginal lifestyle, philosophy and law.
Culture Contact and Conflict will introduce students to various instances of Aboriginal contact withnon-Aboriginal people, and the ways relationships were established. The unit will be based on case studies from around Australia thatillustrate the diversity of experience across the continent.

AHCD1029 (07179) Communication Studies I
Semester 1 - 6 credit points
The process of communication is studied, including verbal and non-verbal forms of communication in Aboriginal communities, academic institutions and professional contexts. Skills developed include: oral presentation skills, technical and professional writing skills, computer literacy and information gathering skills.

AHCD1030 (07180) Primary Health Care I
Semester 2- 6 credit points
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.

AHCD1031 (07181) Community Development I
Semester 2- 6 credit points
This unitprovides abackground 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.

AHCD1032 (07182) Counselling I

Semester 1-6 credit points

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.

Elective Studies IA

Semester 1 - 6 credit points

Biological Sciences I (BIOS1076) will be offered as Elective Studies IA in 1998. This unit is an introduction to the systems of thebody usingthe theme of homeostasis and will provide the basis for further study of health and illness.

Elective Studies IB

Semester 2 - 6 credit points

Drugs and Alcohol I (AHCD1036) will be offered as Elective Studies IB in 1998. The social, political, psychological and physical factors which contribute to the development of alcohol and other drug related problems are examined and the pharmacology of the more common drugs, both prescribed and illegal, is studied. Skills are developed in identifying and responding to drug related crises and in assessing community needs not met by existing drug and alcohol services.

AHCD1035 (07185) Field Education I

Semester 2 - 6 credit points

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development worker. It provides a graduated program which spans the three years of the program and is designed to formulate the integration of theoretical concepts and skills learnt during the program.

Year 2

AHCD2013 (07260) Perspectives in Indigenous Health II

Semester 1-6 credit points

This unit identifies mechanisms of control and specifically institutionalisation. Government action and Christian missionary efforts have largely been responsible for placing Aborigines into institutions. The physical and psychological effects of the earliest institutions remain with the Aboriginal community. The memory of life in twentieth century institutions is present in many Aboriginal lives today. In present times formalised institutions for Aborigines are deemed negative, however covert institutionalisation of Aborigines is perpetuated today. The unit also examines the nature and function of government agencies for Aborigines since 1967. As well as seeing the creation of the Aboriginal Affairs portfolio in the Federal movement, we have witnessed the development of various policies and strategies for Aborigines at local, State and national level. Aboriginal participation in Government agencies is examined.

AHCD2014 (07261) Communication Studies II

Semester 1-6 credit points

This unit further examines the process of communication including verbal and nonverbal factors. Students will study the processes of communication within the mass media, and organisations as they relate to Aboriginal health.

AHCD2015 (07262) Primary Health Care II

Semester 2 - 6 credit points

This unit will focus on issues of ill health in indigenous communities across Australia. Today Aboriginal people are suffering from both third world and modern illnesses as fourth world (minority) citizens of Australia. This unit focuses on issues of health and human behaviour that are of particular interest to the Aboriginal Health Worker.

AHCD2016 (07263) Community Development II

Semester 2- 6 credit points

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.

AHCD2017(07264) Counselling II

Semester 1 - 6 credit points

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

Elective Studies IIA

Semester 1 - 6 credit points

Biological Sciences II (BIOS2067) will be offered as Elective Studies IIA in 1998. This unit is an introduction to the systems of thebody usingthe theme of homeostasis and will provide the basis for further study of health and illness. In this unit students select two elective studies. Each of these involves classroom work and off campus based study. The elective studies may include: Wellness and Mental Health; Indigenous Computing; Sexual Health; Women's Health; Men's Health; Drug & Alcohol; Community Care.

Elective Studies IIB

Semester 2 - 6 credit points

Drugs and Alcohol II (AHCD2021)willbe offered as Elective Studies IIB in 1998. 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 drugrelated 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.

AHCD2020 (07267) Field Education II

Semester 2-6 credit points

This unit is an essential component in the process of developing competence as Aboriginal Health and/or Community Development workers. Itprovides a graduated program which spans the three years of the program and is designed to formulate the integration of theoretical concepts and skills learnt during program work.

Table 8.2 Bachelor of Health Science (Aboriginal Health and Community Development)

Course Code *Mode of Offer*

0756 *Pass Course; Full-time, block attendance, 3 years*

0757 *Honours Program; Full-time, block attendance, 4 years*

				Sem 1	Sem 2
Year 1	*no commencing students in 1998*				
Year 2	*(last offered 1998)*				
AHCD2002	(07243)	Indigenous Health Promotion		-	5
AHCD2003	(07244)	Epidemiology		-	5
AHCD2004	(07250)	Perspectives in Indigenous Health II		5	-
AHCD2005	(07252)	Counselling II		-	5
AHCD2006	(07253)	Primary Health Care II		-	6
AHCD2007	(07254)	Field Education II		-	6
AHCD2012	(07259)	Community Development II		6	-
BEHS2089	(102A1)	Health and Human Behaviour II		5	-
BIOS2067	(112B8)	Biological Sciences II		5	-
			Stage Total	*48*	*21*	*27*
Year 3					
AHCD3001	(07306)	Health Planning, Policy and Evaluation		-	5
AHCD3002	(07307)	Contemporary Issues in Health, Law and Medicine		*5*	-
AHCD3003	(07314)	Perspectives in Indigenous Health III		-	5
AHCD3004	(07315)	Community Development III		5	-
AHCD3005	(07316)	Counselling III		-	6
AHCD3006	(07317)	Primary Health Care III		5	-
AHCD3007	(07318)	Field Education III		-	6
BEHS3045	(10393)	Social Research		-	6
BIOS3033	(11388)	Biological Sciences III		5	-
			Stage Total	*48*	*20*	*28*

Honours Program - Additional Units

Year 3					
		Research Elective A[3]		-	3
Year 4					
AHCD4003	(07496)	Honours Workshop		-	3
AHCD4004	(07498)	Thesis		21	21
		Research Elective B[3]		3	-

Table 8.2.1 Bachelor of Health Science (Aboriginal Health and Community Development)

Course Code *Mode of Offer*

0753 *Pass Course; Full-time, 4 years block attendance*

0758 *Honours Program; Full-time, 5 years block attendance*

				Sem 1	Sem 2
Year 1	*no commencing students in 1998*				
Year 2	*(last offered 1998)*				
AHCD1002	(07130)	Introduction to Health Research and Ethics		*5*	
AHCD1008	(07154)	Counselling I			5
AHCD2002	(07243)	Indigenous Health Promotion			5
AHCD2004	(07250)	Perspectives in Indigenous Health II		*5*	
AHCD2007	(07254)	Field Education II			6
BEHS2089	(102A1)	Health and Human Behaviour II		*5*	
BIOS2067	(112B8)	Biological Sciences II		*5*	
			Stage Total	*36*	*20*	*16*

Year 3

AHCD2003	(07244)	Epidemiology		-	5
AHCD2005	(07252)	Counselling II		-	5
AHCD2006	(07253)	Primary Health Care II		-	6
AHCD2012	(07259)	Community Development II		6	-
AHCD3003	(07314)	Perspectives in Indigenous Health III		5	-
BEHS3045	(10393)	Social Research		6	-
		Stage Total	*33*	*17*	*16*

Year 4

AHCD3001	(07306)	Health Planning, Policy and Evaluation		-	5
AHCD3002	(07307)	Contemporary Issues in Health, Law and Medicine		5	-
AHCD3004	(07315)	Community Development III		5	-
AHCD3005	(07316)	Counselling III		-	6
AHCD3006	(07317)	Primary Health Care III		5	-
AHCD3007	(07318)	Field Education III		-	6
BIOS3033	(11388)	Biological Sciences III		5	-
		Stage Total	*37*	*20*	*17*

Honours Progi'am - Additional Units

Year 4

		Research Elective[3]			3

Year 5

AHCD4003	(07496)	Honours Workshop			3
AHCD4004	(07498)	Thesis		21	21
		Research Elective[3]			3

Notes

[1] Two week block during the year

[2] Three week block during first semester

[3] Research Elective - Students select two of the units, one for each year (subject to sufficient student numbers). For list of Research Electives see Appendix 1.

Table 8.2.2 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*

				Sem 1	**Sem 2**
Year 1	*(to be first offered in 1998)*				
AHCD1028	(07177)	Perspectives in Indigenous Health I		6	-
AHCD1031	(07181)	Community Development I		-	6
AHCD1032	(07182)	Counselling I		6	-
AHCD1030	(07180)	Primary Health Care I		-	6
BIOS1076	(11184)	Biological Sciences I		6	-
AHCD1036	(07126)	Drugs and Alcohol I		-	6
AHCD1029	(07179)	Communication Studies I		6	-
AHCD1035	(07185)	Field Education I		-	6
		Stage Total	*48*	*24*	*24*
Year 2	*(to be first offered in 1999)*				
AHCD2013	(07260)	Perspectives in Indigenous Health II		6	-
AHCD2017	(07264)	Counselling II		6	-
AHCD2015	(07262)	Primary Health Care II		-	6
AHCD2016	(07263)	Community Development II		-	6
BEHS2118	(102D0)	Health and Human Behaviour I		6	-
BIOS2067	(112B8)	Biological Sciences II		-	6
AHCD2001	(07239)	Drugs and Alcohol II		6	-
AHCD2020	(07267)	Field Education II		-	6
		Stage Total	*48*	*24*	*24*

Year 3 (to be first offered in 1998 - to approved students)

AHCD3008	(07342)	Project A (Planning)		6	-
		Research Elective IIIA		6	-
		Research Elective IIIB		-	6
		Elective IIIA		6	-
		Elective IIIB		6	-
		Elective IIIC		-	6
		Elective IUD		-	6
AHCD3009	(07343)	Field Education III		-	6
		Stage Total	*48*	*24*	*24*

Year 4 first offered in 1999

AHCD4001	(074B5)	Project B		6	
		Elective IVA		6	-
		Elective IVB		6	-
		Elective IVC		6	-
		Elective IVD		-	6
		Elective IVE		-	6
AHCD4002	(074B6)	Field Education IV		-	12
		Stage Total	*48*	*24*	*24*

Honours Program

Year 4 first offered in 1999

AHCD4001	(074B5)	Project B		6	
		Research Elective rVA		6	
		Research Elective IVB		6	
AHCD4005	*(07437)*	Research Thesis A		12	
AHCD4006	(074B8)	Research Thesis B			18
		Stage Total		*30*	*18*

Notes

List of Electives (Year 3/4)*

AHCD4007	(07401)	Epidemiology
AHCD4008	(07402)	Introduction to Health Research
AHCD4009	(07403)	Primary Health Care IV
AHCD4010	(07404)	Perspectives in Indigenous Health IV
BIOS3046	(113A1)	Biological Sciences III
AHCD4011	(07405)	Family Therapy
AHCD4012	(07406)	Communication Studies III
AHCD4013	(07407)	Nutrition
AHCD4014	(07408)	Contempory Issues in Health Law, and Medicine
AHCD4015	(07409)	Indigenous Health Computing
AHCD4016	(07410)	Participant Observation and Ethnography
AHCD4017	(07411)	Community Development III
BEHS4045	(10498)	Social Research
AHCD4018	(07412)	Action Research
AHCD4019	(07413)	Community Development IV
BIOS2090	(112E5)	Biological Sciences H"
AHCD4020	(07414)	Group Processes and Counselling
AHCD4021	(07415)	Art Therapy
AHCD4022	(07416)	Health Promotion II
AHCD4023	(07417)	Health Promotion III
AHCD4024	(07418)	Environmental Health
AHCD4025	(07419)	Multiculturalism and Indigenous Issues
AHCD4026	(07420)	Health Management
AHCD4027	(07421)	Research Ethics
AHCD4028	(07422)	Drugs and Alcohol Counselling
BEHS4046	(10499)	Health and Human Behaviour II

* Electives offered subject to sufficient demand and staff availability

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 three year and a four year program. Both are full-time block attendance programs, with students in the three year program attending additional study blocks. As of 1998 only a full-time four year block mode program will be offered.

Admission Requirements

There are no specific pre-requisites 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 8.2 and 8.2.1.

Unit Descriptions

AHCD1002 (07130) Introduction to Health Research and Ethics

Semester 1-5 credit points

This unit 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.

AHCD1028 (07177) Perspectives in Indigenous Health I

Semester 1-6 credit points

This unit consists of two units - Dreamings-Culture-Society and Culture Contact and Conflict.

Dreamings-Culture-Society gives an overview of the arrival of humans to Australia, from both an Aboriginal and non-Aboriginal perspective. As an introductory unit to the Aboriginal studies sequence, this unit will establish terms and definitions that will be found throughout Aboriginal Studies, and will provide models and information that may be referred back to during the course. Primarily, Dreamings-Culture-Society will be concerned with surveying traditional, or pre-contact, Aboriginal lifestyle, philosophy and law.

Culture Contact and Conflict will introduce students to various instances of Aboriginal contact with non-Aboriginal people, and the way relationships were established. This unit will be based on case studies from around Australia that illustrate the diversity of experience across the continent.

AHCD1031 (07181) Community Development I

Semester 2- 6 credit points

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 and 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. Students will develop a profile of an Aboriginal community.

AHCD1032/AHCD1008 (07182/07154) Counselling I

Semester 1 - 6 credit points/Semester 2 - 5 credit points

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 Aboriginal Health and Community Development.

AHCD1030 (07180) Primary Health Care I

Semester 2 - 6 credit points

This subject consists of two units - Past and Present and Drug Use

Past and Present 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.

Drug Use aims to provide an overview to the complex issues surrounding alcohol and drug abuse in indigenous communities across Australia. Prevention, intervention and treatment strategies will be identified.

AHCD1035 (07185) Field Education I

Semester 2- 6 credit points

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development worker. It provides a graduated program which spans the three years of the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

AHCD2002 (07243) Indigenous Health Promotion
Semester 2 - 5 credit points
This unit provides an overview of the principles and practice of health promotion. It is designed to give students a theoretical perspective of health promotion within a public health and community based framework, with particular emphasis on the range of different approaches to health promotion, the use of epidemiological, behavioural and qualitative data in a systemic manner for the determination of health promotion priorities and the planning and evaluation of community based health promotion interventions.

AHCD2003 (07244) Epidemiology
Semester 2 - 5 credit points
This unit introduces students to the basic principles of epidemiology: the study of the distribution of disease and the searchfor 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.

AHCD2004 (07250) Perspectives in Indigenous Health II
Semester 1 - 5 credit points
This unit identifies mechanisms of control, specifically institutionalisation, government action and Christian missionary efforts that have largely been responsible for placing Aborigines into institutions. The physical and psychological effects of the earliest institutions remain with the Aboriginal community. The nature and function of government agencies for Aborigines since 1967 is also examined. This unit will maintain a theme of Aboriginal participation in government agencies.

AHCD2005 (07252) Counselling II
Semester 2 - 5 credit points
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 of Aboriginal Health and Community Development worker.

AHCD2006 (07253) Primary Health Care II
Semester 2 - 6 credit points
This unit will focus on issues of ill health in indigenous communities across Australia. Today Aboriginal people are suffering from both third world and modern illnesses as fourth world (minority) citizens of Australia. An overview of the background to Aboriginal mental health will be developed with the view to identify mental ill health today.

AHCD2007 (07254) Field Experience II
Semester 2- 6 credit points
This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development worker. It provides a graduated program which spans the three years of the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

AHCD2012 (07259) Community Development II
Semester 1 - 6 credit points
Students will develop skills for strategic planning to address factors related to ill health in Aboriginal communities; and to plan programs. Students will gain an understanding of howpolicy impacts onhealth and community development.

AHCD3001 (07306) Health Planning, Policy and Evaluation
Semester 2-5 credit points
This unit is designed to provide an understanding of the basic concepts and approaches in health policy, planning and evaluation. Students will be introduced to methodologies and techniques usedinpolicy analysis, public health planning, and program evaluation. The unit will build on theories and skills acquired in years 1, 2 and 3 particularly quantitative and qualitative epidemiological, statistical and social science methods. Special emphasis will be placed on the multi disciplinary nature of health policy, planning and evaluation within a public health framework.

AHCD3002 (07307) Contemporary issues in Health, Law and Medicine
Semester 1 - 5 credit points
This unit will introduce students to an understanding of the Australian legal system and general principles and law governinghurnanbehaviour.Thisunitwillprovidestudents with an understanding of the relationship between disability, health and the law. It is designed to give students an understanding of how the law affects persons with a disability (social or physical) and to allow them to explore possible avenues for reform of the law. The unit also provides students with an opp ortunity to familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills of their previous units in this strand will be utilised in their critical evaluation of these issues.

AHCD3003 (07314) Perspectives in Indigenous Health III
Semester 2- 5 credit points
This unit is based on the themes of continuity and change in the Aboriginal community, with comparative examples being drawn from across the country. Constructs of Aboriginality will be analysed, and the inter-relatedness and interdependence of facets of Aboriginal life will be explored.

AHCD3004 (07315) Community Development III
Semester 1-5 credit points
This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD3005 (07316) Counselling III
Semester 2- 6 credit points
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.

AHCD3006 (07317) Primary Health Care III

Semester 1-5 credit points

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.

AHCD3007 (07318) Field Experience III

Semester 2 - 6 credit points

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development worker. It provides a graduated program which spans the three years of the course and is designed to formulate the integration of theoretical concepts and skills learnt during the course.

BEHS2118 (102D0) Health and Human Behaviour I

Not offered in 1998

This unit is divided into two units. The first is Introductory Psychology, including topics in perception, intelligence, personality and learning. The second unit is Social Theory, Health and Illness. It presents sociological theories and concepts with particular reference to health and human behaviour.

BEHS2089 (102A1) Health and Human Behaviour II

Semester 1-5 credit points

This unit is divided into two units. The first is Social Psychology which deals with aspects of the behaviour of people in groups, with applications to people with disabilities. The second unit, Culture, Health and Illness, 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 on the health needs of Aboriginal and migrant peoples.

BEHS3045 (10393) Social Research

Semester 2 - 6 credit points

This unit introduces students to the range of qualitative and Multivariate Statistics used in the examination of the social aspects of the healthcare system. Data collection and analysis, techniques associated with interviewing and observation, content analysis, survey and experimental research and secondary data analysis will be covered.

BIOS1076 (11184) Biological Sciences I

Semester 1 - 6 credit points

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.

BIOS2067 (112B8) Biological Sciences II

Semester 1 - 5 credit points

Medical Sciences and Disorders of Body Systems. To introduce the student to pharmacology, pathophysiology and aspects of cross-infection and immunology. This willbe presented in a problem based manner.

BIOS3033 (11388) Biological Sciences III

Semester 1 - 5 credit points

This unit 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 them 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.

Honours Program

General information related to the Honours Program is presented in Chapter 3. 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 8.3 Bachelor of Health Science (Rehabilitation Counselling)

Course Code	*Mode of Offer*
0819	*Full-time; 3 years*
0820	*Part-time; 6 years (no commencing students since 1994)*
0845	*Honours Program; Full-time, 4 years*
0846	*Honours Program; Part-time, 8 years*

Full-time Mode

				Sem 1	Sem 2
Year 2 (to be last offered in 1998)					
Core Stream					
COMH2068	(08284)	Health Promotion A		2	-
COMH2069	(08285)	Health Promotion B		-	2
COMH2070	(08286)	Epidemiology A		2	-
COMH2071	(08287)	Epidemiology B		-	2
BEHS2114	(102C6)	Health and Human Behaviour IIA		2	-
BEHS2115	(102C7)	Health and Human Behaviour IIB		-	2
BIOS2088	(112E3)	Biological Sciences IIA		2	-
BIOS2089	(112E4)	Biological Sciences IIB		-	2
Rehabilitation Counselling Stream					
COMH2072	(08288)	Rehabilitation Theory IIA		2	-
COMH2073	(08289)	Rehabilitation Theory IIB		-	2
COMH2074	(08290)	Rehabilitation Counselling IIA		2	-
COMH2075	(08291)	Rehabilitation Counselling IIB		-	2
COMH2076	(08292)	Vocational Rehabilitation IIA		2	-
COMH2077	(08293)	Vocational Rehabilitation IIB		-	2
COMH2041	(08249)	Professional Practice II[1]		8	8
BEHS2116	(102C8)	Disability Studies IIA		2	-
BEHS2117	(102C9)	Disability Studies IIB		-	2
		Stage Total	*48*	*24*	*24*
Year 3 (to be last offered in 1999)					
Core Stream					
COMH3029	(08331)	Health Planning, Policy and Evaluation A		2	-
COMH3030	(08332)	Health Planning, Policy and Evaluation B		-	2
COMH3031	(08333)	Contemporary Issues in Health, Law and Medicine A		2	-
COMH3032	(08334)	Contemporary Issues in Health, Law and Medicine B		-	2
BEHS3078	(103D1)	Social Research A		2	-
BEHS3079	(103D2)	Social Research B		-	2
BIOS3044	(11399)	Biological Sciences HIA		2	-
BIOS3045	(113A0)	Biological Sciences IIIB		-	2
Rehabilitation Counselling Stream					
COMH3033	(08335)	Vocational Rehabilitation IIIA		2	-
COMH3034	(08336)	Vocational Rehabilitation IHB		-	2
COMH3035	(08337)	DisabUity Studies IIIA		2	-
COMH3036	(08338)	Disability Studies IIIB		-	2
COMH3010	(08310)	Special Project		2	2
COMH3011	(08311)	Professional Practice IIP		8	8
COMH3037	(08339)	Rehabilitation Counselling IIIA		2	-
COMH3038	(08340)	Rehabilitation Counselling IIIB		-	2
		Stage Total	*48*	*24*	*24*

Honours Program

Year 3 (to be last offered in 1999)					
As for Pass Program					
PLUS		Research Elective[3]			3
Year 4 (to be last offered in 2000)					
COMH4021	(08496)	Honours Workshop		3	
COMH4022	(08498)	Thesis		18	24
		Research Elective[3]		3	
		Stage Total	*48*	*24*	*24*

Part-time Mode

Year 5&6 (for students who commenced prior to 1994)

Core Stream			
COMH3031 (08333) Contemporary Issues in Health, Law and Medicine A		**2**	-
COMH3032 (08334) Contemporary Issues in Health, Law and Medicine B		-	**2**
Rehabilitation Counselling Stream			
COMH3033 (08335) Vocational Rehabilitation IIIA		**2**	-
COMH3034 (08336) Vocational Rehabilitation IEB		-	**2**
COMH3010 (08310) Special Project		**2**	**2**
COMH3037 (08339) Rehabilitation Counselling IIIA		**2**	-
COMH3038 (08340) Rehabilitation Counselling IHB		-	**2**
Stage Total	*16*	*8*	*8*

Notes

[1] Professional Practice II includes
(a) 105 hours (3 weeks) of field experience/agency work to be completed by the end of semester 1.
AND
(b) a 210 hours block placement (6 weeks) to be undertaken in the inter-semester recess

[2] Professional Practice III consists of a 210 hour (6 weeks) block placement in the inter-semester recess.

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

Bachelor of Health Science (Rehabilitation Counselling)

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

The degree can only be completed on a full-time basis. A minimum of three years enrolment is required for those undertaking the course on a full-time basis. No new enrolments have been accepted into the part-time course since 1994. A minimum of six years enrolment is required if the course is undertaken on a part-time basis(some part-time students enrolled before 1994 are still completing their studies). Enrolment for those undertaking the Honours component (which is entered at the commencement of Year three) is four years full-time and eight years part-time rninimum.

The program is divided into two streams, a core stream of units and a discipline specific stream. The core stream includes studies in community health, behavioural sciences and biomedical sciences. The discipline specific stream covers skill and knowledge areas specific to the profession of rehabilitation counselling.

Admission Requirements

There are no specific requirements for admission to the Bachelor of Health Science (Rehabilitation Counselling). Refer to general admission requirements in Chapter 3. Mature aged applicants are encouraged to apply and need to meet the following requirements:

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

Mature aged applicants willbe required to attend the Faculty for an interview.

Course Outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) full-time mode is presented in Table 8.3.

Unit Descriptions

Year 2

COMH2068 (08284) Health Promotion A
Semester 1 - 2 credit points
This unit provides an overview of the principles of health promotion. It is designed to give students a theoretical perspective of health promotion within a public health and community based framework, and withparticular emphasis on the range of different approaches to health promotion practice.

COMH2069 (08285) Health Promotion B
Semester 2- 2 credit points
Pre-requisite Health Promotion A (COMH2068)
Using various strategies developed in Health Promotion A, this unit provides the student with mechanisms to develop their own promotional programs/projects. It is a practical and hands-on unit.

COMH2070 (08286) Epidemiology **A**
Semester 1-2 credit points
This unit introduces students to the basic principles of epidemiology: the study of the distribution of disease and the searchfor the determinants of that observed distribution.

COMH2071 (08287) Epidemiology B
Semester 2 - 2 credit points
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.

BEHS2114 (102C6) Health and Human Behaviour IIA
Semester 1 - 2 credit points
Social Psychology which deals with aspects of the behaviour of people in groups, with applications to people with disabilities.

BEHS2115 (102C7) Health and Human Behaviour IIB
Semester 2 - 2 credit points
Culture, Health and Illness, 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 innon-Western and Eastern societies with emphasis on the health needs of Aboriginal and migrant peoples.

BIOS2088 (112E3) Biological Sciences IIA
Semester 1-2 credit points
Unit 1 covers medical terminology and nutrition and unit 2 is an introduction to the principles of cross infection and the operation of the immune system.

BIOS2089 (112E4) Biological Sciences IIB
Semester 2 - 2 credit points
Unit 3 examines the biological processes and changes in the human organism over the life span and unit 4 is an introduction to basic pharmacological principles and actions of the major drug groups.

COMH2072 (08288) Rehabilitation Theory IIA
Semester 1 - 2 credit points
This unit has been designed to provide students with a broad conceptual framework for understanding historical developments in work organisation and work practices in modern industrial society. The course will highlight developments in psychology and sociology that have had an impact on labour organisations. Particular attention will be paid to issues of significance to vocational rehabilitation such as occupational health, women in the workplace and issues relating to workers from immigrant backgrounds.

COMH2073 (08289) Rehabilitation Theory IIB
Semester 2 - 2 credit points
The aims of this unit are to describe the pattern of occupational injury and illness in Australia and to explain it in terms of the organisation of work; and also to analyse the rehabilitation of people with work-related disabilities in the context of the various social strategies devised to deal with the widespread failure of measures to prevent workplace injuries and illnesses.

COMH2074 (08290) Rehabilitation Counselling IIA
Semester 1 - 2 credit points
This unit introduces students to the theory and practice of the interpersonal process approach to counselling.

COMH2075 (08291) Rehabilitation Counselling IIB
Semester 2-2 credit points
This unit focuses on the theory and practice of cognitive approaches to rehabilitation counselling.

COMH2076 (08292) Vocational Rehabilitation IIA
Semester 1 - 2 credit points
This 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 and discuss the relevance of various techniques to specific disability groups.

COMH2077 (08293) Vocational Rehabilitation IIB
Semester 2 - 2 credit points
This unit highlights the need to assess the workplace and specific jobs in tandem with client assessment. It also assists students to appreciate the differing demands of jobs and to acceptthat these demands canbemodifiedbyimplementing appropriate forms of change at the worksite.

COMH2041 (08249) Professional Practice II
Pre-semester 1 -105 hours
Inter-semester -210 hours
16 credit points
This unit includes two field practice placements to be undertaken at separate agencies. The first placement will provide students with an orientation to the practical application of their studies through 105 hours of field experience in any 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 hour (6 weeks) practicum to be undertaken as a block during the inter-semester recess. The practicum will provide students with opportunities to put into practice their theoretical learning in a supervised setting.

BEHS2116 (102C8) Disability Studies IIA
Semester 1 - 2 credit points
In the semester one unit, Behaviour Disorders and Management, the application of behavioural techniques to a variety of situations is studied. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, illness and stigma.

BEHS2117 (102C9) Disability Studies IIB
Semester 2- 2 credit points
The semester two unit is Mental Health Issues, an analysis of issues which health professionals deal with in their everyday work.

Year 3

COMH3029 (08331) Health Planning, Policy and Evaluation A
Semester 1 - 2 credit points
This unit is designed to provide an understanding of the basic concepts and approaches in health policy, planning and evaluation. Students will be introduced to methodologies and techniques used in policy analysis, public health planning, and program evaluation.

COMH3030 (08332) Health Planning, Policy and Evaluation B

Semester 2 - 2 credit points

This unit willbuild on theories and skills acquired in previous years particularly quantitative and qualitative methodological, statistical and social science methods. Special emphasis will be placed on the multidisciplinary nature of health policy, planning and evaluation within a public health framework.

COMH3031 (08333) Contemporary Issues in Health, Law and Medicine A

Semester 1 - 2 credit points

This unit introduces students to an understanding of the Australian legal system and general principles and law governing human behaviour. Students are provided with an understanding of the relationship between disability, health and the law. It is designed to give students an understanding of how the law affects persons with a disability (social or physical) and to allow them to explore possible avenues for reform of the law.

COMH3032 (08334) Contemporary Issues in Health, Law and Medicine B

Semester 2 - 2 credit points

This unit provides students withanopp or tunity to familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills of this and the previous unit in this strand will be utilised in their critical evaluation of these issues.

BEHS3078 (103D1) Social Research A

Semester 1 - 2 credit points

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.

BEHS3079(103D2) Social Research B

Semester 2- 2 credit points

Data collection and analysis, techniques associated with interviewing and observation, content analysis, survey and experimental research and secondary data analysis are covered.

BIOS3044 (11399) Biological Sciences III A

Semester 1 - 2 credit points

This unit allows students to undertake study in two 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 provides the opportunity to achieve confidence in dealing withbiologically based material, to understand scientifically technical language and to interpret biologically based data.

Students are able to select from the following topic areas:

- Substance abuse
- Nutritional disorders
- Reproductive health
- Exercise physiology and training for special groups
- Sexual health care
- Head injury
- Sexually transmitted diseases
- Adolescent health
- Ageing
- Healthy lifestyle
- Pollution - health effects
- Cross cultural health care concerns
- Contraceptive choices

BIOS3045 (113A0) Biological Sciences NIB

Semester 2- 2 credit points

Students select two more topics for special study.

COMH3033 (08335) Vocational Rehabilitation IIIA

Semester 1 - 2 credit points

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.

COMH3034 (08336) Vocational Rehabilitation IIIB

Semester 2 - 2 credit points

Students are exposed to methods of assisting clients to seek their own employment. Job seeking and job maintenance skills are discussed. The program has a practical focus.

COMH3035 (08337) Disability Studies IIIA

Semester 1 - 2 credit points

The rehabilitation counsellor deals with persons from a wide range of disability groups. Whilst the principles of rehabilitation have general appUcation across all types of disability, certain groups have special needs which counsellors should take into account. This unit provides students with the opportunity to develop special skills and knowledge in selected areas from the electives offered. Each elective topic will be of one semester's duration and each student undertakes one elective in semester one and another in semester two. Not all electives are offered in any one semester.

The electives currently offered are:

- Psychiatric Rehabilitation
- Rehabilitation and Substance Abuse
- Rehabilitation of Public Offenders
- Rehabilitation of Persons with Intellectual Disability
- Rehabilitation and Older People
- Rehabilitation and Persons with Traumatic Brain Injury
- Rehabilitation of Persons from Non-English Speaking Backgrounds
- Rehabilitation of Persons with HTV/AIDS
- Hearing Impairment and Sign Language

COMH3036 (08338) Disability Studies IIIB

Semester 2 - 2 credit points

Students select a second topic area for special study.

COMH3010 (08310) Special Project

Semester 1 &2-4 credit points

Students are required to research (in small groups) an area of rehabilitation counselling practice or disability. Students present findings of their research in semester two of the **course.**

COMH3011 (08311) Professional Practice 111
Inter-Semester - 210 hours
8 credit points
Students are required to complete a supervised six-week full-time block placement in a rehabilitation or related program. As thefinal practicum of the three-yearprofessional 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.

COMH3037 (08339) Rehabilitation Counselling IDA
Semester 1-2 credit points
This unit provides students with a general overview of the principles and processes involved in effective case and caseload management in rehabilitation.

COMH3038 (08340) Rehabilitation Counselling NIB
Semester 2 - 2 credit points
Interview practice which focuses on rehabilitation case management and planning is undertaken.

Honours Program

Research Elective
Semester 1-3 credit points
For Research Elective unit descriptions, see Appendix 1.

COMH4021 (08496) Honours Workshop
Semester 1 - 3 credit points
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.

COMH4022 (08498) Thesis
Semester 1 &2-42 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.

Table 8.3.1 Bachelor of Health Science (Rehabilitation Counselling)

Course Code	*Mode of Offer*
0878	*Full-time; 4 years*
0879	*Honours; full-time, 4 years*

Full-time Mode

				Sem 1	Sem 2
Year 1	*(to be first offered in 1998)*				
COMH1086	(08186)	Vocational Rehabilitation IA		3	-
COMH1087	(08187)	Vocational Rehabilitation IB		-	3
COMH1088	(08188)	Introduction to Rehabilitation Philosophy		3	-
COMH1090	(08189)	Ethical Perspectives of Rehabilitation		-	3
COMH1089	(08190)	Professional Practice P		5	8[1]
BEHS1118	(101D6)	Rehabilitation Psychology IA		3	-
BEHS1119	(101D7)	Rehabilitation Psychology IB		-	3
BEHS1120	(101D8)	Australian Society and Culture A		3	-
BEHS1121	(101D9)	Australian Society and Culture B		-	3
BEHS1122	(101E0)	Research Methods: Design		3	-
BIOS1110	(111B9)	Human Anatomy and Physiology A		4	-
BIOS1111	(111C0)	Human Anatomy and Physiology B		-	4
		Stage Total	*48*	*24*	*24*
Year 2	*(to be first offered in 1999)*				
COMH2059	(08275)	Rehabilitation Counselling IA		2	-
COMH2060	(08276)	Rehabilitation Counselling IB		-	2
COMH2061	(08277)	Vocational Rehabilitation IIA		2	-
COMH2062	(08278)	Vocational Rehabilitation IIB		-	2
COMH2063	(08279)	Case Management and Rehabilitation Planning I		2	-
COMH2064	(08280)	Case Management and Rehabilitation Planning II		-	2
COMH2065	(08281)	Occupational Health, Disability and Rehabilitation A		2	-
COMH2066	(08282)	Occupational Health, Disability and Rehabilitation B		-	2
COMH2067	(08283)	Professional Practice II		9	12
BEHS2108	(102C0)	Rehabilitation Psychology IIA		2	-
BEHS2109	(102C1)	Rehabilitation Psychology IIB		-	2
BEHS2110	(102C2)	Research Methods: Data Analysis		3	-
BIOS2086	(112E1)	Pathophysiology and Pharmacology A		2	-
BIOS2087	(112E2)	Pathophysiology and Pharmacology B		-	2
		Stage Total	*48*	*24*	*24*

Year3	*(to be first offered in 2000)*				
COMH3018	(08319)	Rehabilitation Counselling IIA		3	-
COMH3019	(08320)	Rehabilitation Counselling IIB		-	3
COMH3020	(08321)	Vocational Rehabilitation IDA		2	-
COMH3021	(08322)	Vocational Rehabilitation MB		-	2
COMH3022	(08323)	Accident Compensation Schemes Practicum		2	-
COMH3023	(08324)	Avocational Rehabilitation		-	2
COMH3024	(08325)	Legal Perspectives of Rehabilitation		-	2
COMH3025	(08326)	Medical Aspects of Disability A		2	-
COMH3039	(08341)	Medical Aspects of Disability B		-	2
COMH3026	(08327)	Psychiatric Rehabilitation		-	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
COMH3027	(08328)	Professional Practice III		7	7
COMH3028	(08329)	Philosophy and Politics of Disability and Rehabilitation		2	-
BEHS3076	(103C9)	Behaviour Disorders and Management		2	~
		Stage Total	*48*	*24*	*24*

Year 4	*(to be first offered in 2001)*				
COMH4029	(084A9)	Rehabilitation Counselling IHA		3	~
COMH4030	(084B0)	Rehabilitation Counselling IIIB		-	3
COMH4031	(084B1)	Group Research Project		3	3
BEHS4047	(10496)	Research Methods: Intermediate Statistics		3	-
		Elective V (from Gp. A)		2	-
		Elective VI (from Gp. A or B)		-	2
		Elective VII (from Gp. A or B)		-	2
COMH4033	(084B3)	Professional Practice IV		13	14
		Stage Total	*48*	*24*	*24*

Honours Program

Year land 2	*(as for Pass program)*				
Year 3	*(to be first offered in 2000)*				
As for Pass Program					
PLUS					
		one Research Elective from Group C		3	
COMH3040	(08330)	Honours Workshop			2
Year 4	*(to be first offered in 2001)*				
COMH4029	(084A9)	Rehabilitation Counselling IHA		3	
COMH4030	(084B0)	Rehabilitation Counselling IIIB			3
COMH4033	(084B3)	Professional Practice IV		13	14
COMH4034	(084B4)	Thesis		8	7

Notes

[1] Participation in seminars and workshops conducted at selected agencies.

Electives

Group A

Rehabilitation and Substance Abuse
Rehabilitation of Public Offenders
Rehabilitation of Persons with Developmental Disability
Rehabilitation and Older People
Rehabilitation of Persons with Acquired Brain Injury
Rehabilitation of Persons from NESB
Rehabilitation of Persons with Vision Impairment
Rehabilitation of Persons with Hearing Loss
Rehabilitation of Spinal Injury
Aboriginal Studies
Rehabilitation of Persons Living with HIV/AIDS
Rehabilitation and Post-Traumatic Stress Disorders
Chronic Pain in Rehabilitation

Group B

Leisure and Recreation for People with Disability
Health Promotion I
Health Promotion II
Contempory issues in Health and Medicine
Health Planning, Policy and Evaluation
Behaviour Modification and Cognitive Therapy
Cognitive Function in Neurological Diseases
Computing Applicaitions for Health Practitioners
Cultural Approaches to Disease, Healing and Ethnographic Analysis
Introduction to Medical Anthropology
Occupational Health and Stress
Psychoanalysis, Health, Gender and Family
Stress and Coping
Stress and Disability
Selected Studies in Biomedical Sciences

Bachelor of Health Science (Rehabilitation Counselling)

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

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

Admission Requirements

There are no specific requirements for admission to the Bachelor of Health Science (Rehabilitation Counselling). Refer to general admission requirements in Chapter 3. Mature aged applicants are encouraged to apply and need to meet the following requirements:

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

Mature aged applicants will be required to attend the Faculty for an interview.

Course Outline

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) is presented in Table 8.3.1.

Unit Descriptions

Year 1

COMH1086 (08186) Vocational Rehabilitation IA
Semester 1 - 3 credit points
Vocational Development, Counselling and Disability
The unit provides a general overview of the fields of vocational psychology and vocational rehabilitation. Examination is made of the vocational development process and the impact of disability on this process. Theories of vocational development are analysed with special reference to their appropriateness to individuals with disability.

C0MH1087 (08187) Vocational Rehabilitation IB
Semester 2 - 3 credit points
Pre-requisite 08186 Vocational Rehabilitation IA
Vocational Counselling, Planning and Disability
The unit introduces students to the process of vocational rehabilitation and stresses the importance that vocational counselling plays in the overall success of this process. A vocational counselling framework and the tools and resources to support it are presented to students. Strategies for planning for and implementing vocational counselling decisions are also introduced.

COMH1088 (08188) Introduction to Rehabilitation Philosophy
Semester 1 - 3 credit points
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.

COMH1090 (08189) Ethical Perspectives of Rehabilitation
Semester 2-3 credit points
The unit provides an introduction to ethical principles as they are applied to health care and rehabilitation. It is designed to introduce students to theoretical perspectives of ethical principles and reasoning. The unit also introduces students to the concept of applying ethical principles in the analysis of contemporary dilemmas in health care and counselling, and in the conduct of research.

COMH1089 (08190) Professional Practice I
Semesters 1 and 2-12 credit points
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.

BEHS1118 (101D6) Rehabilitation Psychology IA
Semester 1 - 3 credit points
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.

BEHS1119 (101D7) Rehabilitation Psychology IB
Semester 2 - 3 credit points
The unit allows students to apply the principles of psychology examined in Semester 1. Students complete a series of practical exercises, beginning with structured activities in class and leading to small group projects in areas of special interest. The practical exercises will require students to consider design issues, participate in data collection, evaluate findings and communicate findings.

BEHS1120 (101D8) Australian Society and Culture A
Semester 1 - 3 credit points
The unit is designed to develop an understanding of basic sociological theories and concepts. It examines the social structures, institutions and processes relevant to analysing Australian society.

BEHS1121 (101D9) Australian Society and Culture B
Semester 2 - 3 credit points
The unit is designed to develop an understanding of the main legislation, systems and services which provide Australians with health related support. Students learn about the major health needs of the population and become aware of how the Australian health strategy increasingly rests on identifying health risks and attempting to control them. Alternative cultural and therapeutic paradigms provide a critique of the mainstream trend.

BEHS1122 (101E0) Research Methods: Design
Semester 1-3 credit points
The unit introduces students to the research process and focuses on developing informed consumers of research. It begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques are discussed, and students are introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology.

BIOS1110 (111B9) Human Anatomy and Physiology A
Semester 1 - 4 credit points
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.

BIOS1111 (111 CO) Human Anatomy and Physiology B
Semester 2 - 4 credit points
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 limitednumber of laboratory classes and tutorials. Independent learning modules are available for the student's use.

Table 8.4 Aboriginal Health Science Support Program

Course Code *Mode of Offer*
0740 *Part-time; 3 years*

(Average student hours: 6-8 hours per week over first two years) (1-4 hours per week over third year)

		Sem 1	Sem 2
AHCD1009 (07157)	Anatomy Support (A)	4[1]	-
AHCD1010 (07158)	Anatomy Support (B)	-	2
AHCD1011 (07159)	Biological Sciences Orientation	-	2
AHCD1012 (07160)	Biological Sciences Support (A)	3	3
AHCD1013 (07161)	Biological Sciences Support (B)	3[3]	-
AHCD1014 (07162)	Physics Support	4	2
AHCD1015 (07163)	Research Methods Support (I)	3[3]	-
AHCD1007 (07151)	Aboriginal Studies	1[3]	-
AHCD1006 (07149)	Study Skills	3	1
AHCD1016 (07164)	Professional Studies Support (LA)	2[3]	-
AHCD1017 (07165)	Professional Studies Support (IB)	2	2
AHCD1018 (07166)	Biomechanics Support (1)	2[2]-[3]	-
AHCD1019 (07167)	Neurobiology Support	3[3]	-
AHCD1020 (07168)	Behavioural Sciences Support (A)	2[3]	-
AHCD1021 (07169)	Behavioural Sciences Support (B)	3	3
AHCD1022 (07170)	Mathematics Orientation	-	1
AHCD1023 (07171)	Mathematics Support(A)	I[3]	-
AHCD1024 (07172)	Mathematics Support(B)	1	1
AHCD2008 (07255)	Biomechanics Support (2)	2[3]	-
AHCD2009 (07256)	Professional Studies Support (2)	1	1
AHCD2010 (07257)	Research Methods Support (2A)	3[3]	-
AHCD2011 (07258)	Research Methods Support (2B)	2	2

Notes
[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 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 Programis 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 Supp ort Program is presented in Table 8.4.

Unit Descriptions

Years 1 and 2

AHCD1009 (07157) Anatomy Support (A)
Semester 1 - 4 credit points
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.

AHCD1010 (07158) Anatomy Support (B)
Semester 2 - 2 credit points
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.

AHCD1011 (07159) Biological Sciences Orientation
Semester 2- 2 credit points
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.

AHCD1012 (07160) Biological Sciences Support (A)
Semester 1 - 3 credit points
Semester 2 - 3 credit points
AND

AHCD1013 (07161) Biological Sciences Support (B)
Semester 1 or 2- 3 credit points
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.

AHCD1014 (07162) Physics Support
Semester 1 - 4 credit points
Semester 2 - 2 credit points
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.

AHCD1015 (07163) Research Methods Support (1)
Semester 1 or2-3 credit points
This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD1007 (07151) Aboriginal Studies
Semester 1 or 2-1 credit point
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.

AHCD1006 (07149) Study Skills
Semester 1 - 3 credit points
Semester 2-1 credit point
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.

AHCD1016 (07164) Professional Studies Support (1 A)
Semester 1 or 2- 2 credit points
AND

AHCD1017 (07165) Professional Studies Support (1B)
Semester 1-2 credit points
Semester 2-2 credit points
These unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD1018 (07166) Biomechanics Support (1)
Semester 1 or 2- 2 credit points
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.

AHCD1019 (07167) Neurobiology Support
Semester 1 or 2-3 credit points
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.

AHCD1020 (07168) Behavioural Sciences Support (A)
Semester 1 or 2-2 credit points
AND

AHCD1021 (07169) Behavioural Sciences Support (B)
Semester 1 - 3 credit points
Semester 2- 3 credit points
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.

AHCD1022 (07170) Mathematics Orientation
Semester 2-1 credit point
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.

AHCD1023 (07171) Mathematics Support (A)
Semester 1 or2-1 credit point
AND

AHCD1024 (07172) Mathematics Support (B)
Semester 1 -1 credit point
Semester 2- 1 credit point
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.

Year 3

AHCD2008 (07255) Biomechanics Support (2)
Semester 1 or2-2 credit points
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.

AHCD2009 (07256) Professional Studies Support (2)
Semester 1 -1 credit point
Semester 2-1 credit point
This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD2010 (07257) Research Methods Support (2A)
Semester 1 or 2-3 credit points
AND

AHCD2011 (07258) Research Methods Support (2B)
Semester 1-2 credit points
Semester 2 - 2 credit points
These units aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

Table 8.5 Aboriginal Health Science Preparatory Program

Course Code	*Mode of Offer*
0739	*Full-time*
0747	*Part-time*

AHCD1025	(07173)	Anatomy Workshop
AHCD1026	(07174)	Human Biology Workshop
AHCD1005	(07140)	Aboriginal Studies
AHCD1004	(07139)	Study Skills Workshop
AHCD1027	(07175)	Behavioural Science Workshop
AHCD1003	(07138)	Mathematics Workshop

Aboriginal Health Science Preparatory Program

Admission Requirements

Admission to the Aboriginal Health Science Preparatory Program is based on an assessment (including interview) conducted by Yooroang Garang. It is expected that students who do not meet the eligibility criteria under the Cadigal Policy, may apply for entry to the Preparatory Program. However it should be noted that successful completion of the Preparatory Program does not guarantee a student a place in a degree course, but does provide them eligibility for selection under the Cadigal Policy. The Preparatory Program is open to students with an HSC mark lower than that needed under the Aboriginal Special Admission Policy and mature age students over the age of 21.

Course Outline

The course outline for the Aboriginal Health Science Preparatory Program is presented in Table 8.5.

Unit Descriptions

AHCD1025 (07173) Anatomy Workshop

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, musculo-skeletal system, as well as the anatomy of various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD1026 (07174) Human Biology Workshop

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts, such as scientific measurement and graphing. It moves on to cover important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills.

AHCD1005 (07140) Aboriginal Studies

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.

AHCD1004 (07139) Study Skills Workshop

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches study skills such as organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD1027 (07175) Behavioural Science Workshop

This unit introduces students to the study of behavioural science. Ituses topics such as health as thebasisfor 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.

AHCD1003 (07138) Mathematics Workshop

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. It aims to teach numeracy in the context of students' culture and their aspirations for undertaking study in a particular award course. The unit includes both group and individual tuition.

Field Experience/Professional Practice

(Rehabilitation Counselling)
Field Experience is an essential component in the overall process of developingprof essional competence and identity as a Rehabilitation Counsellor. It not only provides students with an opp ortunity 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 exp erience 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.

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

Field placements are arranged by the Co-ordinator of Professional Practice who is responsible for the overall co-ordination, 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 Co-ordinator of Professional Practice can be contacted on Ph: (02) 9 351 9329.

1998 Field Placement Dates

Bachelor of Health Science (Rehabilitation Counselling)

Year 1
75 hours during semester and inter-semester periods.
Year 2
29 June to 31 July (inter-semester break)

Note: Students will be expected to have completed the 105 hours of supervised field experience/agency work introduced in year 1 by the end of semester 1, before commencement of this placement.

Year 3
29 June to 31 July (inter-semester break)

Note: Some modifications to these schedules are possible to accomodate time constraints of students and supervisors.

9 School of Exercise and Sport Science

The School of Exercise and Sport Science is a new school 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 in Exercise and Sport Science, Master of 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 programing 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 Student Administration Services (Cumberland), 9 3519161 or from the School of Exercise and Sport Science, 9 351 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*

				Sem 1	Sem2
Year 1					
BEHS1109	(101C6)	Psychosocial Aspects of Recreation and Sport		5	
BIOS1108	(111B7)	Body Structure, Homeostasis and Movement I		4	
BIOS1109	(111B8)	Body Structure, Homeostasis and Movement II			5
BIOS1079	(11187)	Molecules, Food and Energy		5	
EXSS1001	(22101)	Mechanisms of Movement		4	
EXSS1002	(22102)	Muscle Mechanics			5
EXSS1012	(22112)	Quantitative Biomechanics			5
		Selected Studies[1] (5x3 credit points)#		6	9
		Stage Total	*48*	*24*	*24*
Year 2					
BEHS2098	(102B0)	Behaviour Modification and Exercise Adherence		4	
BIOS2073	(112C5)	Kinesiology and Applied Anatomy		5	
BIOS2075	(112C7)	Hormones, Metabolism and Exercise*			4
EXSS2010	(22210)	Mechanisms of Injury			5
EXSS2001	(22201)	Growth, Development and Ageing			5
EXSS2011	(22211)	Motor Control and Learning I		5	
EXSS2012	(22212)	Motor Control and Learning II			5
EXSS2003	(22203)	Biochemistry of Exercise		5	
EXSS2013	(22213)	Exercise Physiology I		5	
EXSS2014	(22214)	Exercise Physiology II			5
EXSS2007	(22207)	Nutrition and Sport Performance*			4
		Stage Total	*48*	*24*	*24*

Year 3 (to be offered from 1998)

BEHS3068	(103C1)	Psychological Intervention in Sport and Sociology of Organisations*		4	
EXSS3001	(22301)	Exercise Physiology III		5	
EXSS3010	(22310)	Exercise Testing and Prescription I		5	
EXSS3011	(22311)	Exercise Testing and Prescription II			5
EXSS3012	(22312)	Sports Biomechanics I		5	
EXSS3013	(22313)	Sports Biomechanics II			5
EXSS3004	(22304)	Occupational Biomechanics*			4
EXSS3006	(22306)	Research Methods			5
EXSS3014	(22314)	Exercise and Rehabilitation I		5	
EXSS3015	(22315)	Exercise and Rehabilitation II			5
EXSS3007	(22307)	Readings and Conference*			4
EXSS3016	(22316)	Sport Pharmacology*		4	
		Stage Total	*48*	*24*	*24*

Year 4 (Honours Program) (to be offered from 1999)

EXSS4002	(22402)	Honours Thesis		24	24

Notes

* To fulfil the requirements of the course students are required to complete a total of three of the units indicated by an asterisk[2]

\# Students are required to complete five of the following selected studies - 2 in Semester 1 and 3 in Semester 2.

\# Selected Studies[1]

BIOS1094	(111 A3)	Fundamental Computer Skills		3	
BIOS1095	(111A4)	Data Management and Presentation			3
EXSS1004	(22104)	Fitness Appraisal			3
EXSS1005	(22105)	Sport First Aid/Trainer		3	
EXSS1006	(22106)	Sport, Exercise and the Law		3	
EXSS1007	(22107)	Health Centre Management			3
EXSS1008	(22108)	Sport Coaching		3	
EXSS1009	(22109)	Resistance Training			3
EXSS1010	(22110)	Exercise Programming			3
EXSS1011	(22111)	Video Performance Analysis			3

Notes

[1] The offering of any one of these selected studies will depend on sufficient student demand.

[2] The offering of any one of the elective units will depend on sufficient student demand.

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 unitpre-requisites 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.

Unit Descriptions

Year 1

BEHS1109 (101C6) Psychosocial Aspects of Recreation and Sport

Semester 1 - 5 credit points

There are two strands to this unit; a psychology and sociology strand. The psychology strand covers the principles and application of psychology to the sporting context; the concepts of motivation and self-confidence in sport; social relations, group interactions and sport related social phenomena; the importance of information processing and cognitive strategies to enhance sporting performance; and the psychological benefits of exercise. The sociology strand examines the historical origins and contemporary expression of sport and leisure as a dominant aspect of culture; the sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender and age; the role and expression ofideology in sport and leisure contexts; and the use of appropriate theoretical paradigms and methodologies for posing and analysing research questions in the area of the sociology of sport and leisure.

BIOS1108 (111B7) Body Structure, Homeostasis and Movement I

Semester 1 - 4 credit points

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adaptagto and mamtainingahomeostaticbalance inresponse to the environment, particularly during exercise. This will include an introduction to the major systems of the bodyincluding: musculoskeletal andnervous systems. The unit includes laboratory classes which incorporate study from human cadavers where appropriate. Attendance at such classes is a requirement for this unit.

BIOS1109 (111B8) Body Structure, Homeostasis and Movement II

Semester 2- 5 credit points

This unit aims to provide an understanding of the intimate relationship between structure and function in the body systems, adapting to and maintaining a homeostaticbalance inresponse 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.

BIOS1079 (11187) Molecules, Food and Energy

Semester 1 - 5 credit points

This unit provides students with a fundamental understandingofthe nature of specificbiologicallyimportant 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.

EXSS1001 (22101) Mechanisms of Movement

Semester 1 - 4 credit points

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.

EXSS1002 (22102) Muscle Mechanics

Semester 2- 5 credit points

Co-requisite Body Structure, Homeostasis & Movement

This unitprovides 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, stimulationpatterns, etc) willbe explored, including implications formaximisingperformance. 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.

EXSS1012 (22112) Quantitative Biomechanics

Semester 2- 5 credit points

Pre-requisites Mechanisms of Movement (EXSS1001)

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.

Selected Studies

BIOS1094 (111 A3) Fundamental Computer Skills

Semester 1 - 3 credit points

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.

BIOS1095 (111A4) Data Management and Presentation

Semester 2 - 3 credit points

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.

EXSS1004 (22104) Fitness Appraisal

Semester 2 - 3 credit points

This unit is designed to provide students with the ability to administer exercise tests with an attention to safety and the variability of the individual with respect to age, gender and differing lev els of fitness. On completion of the unitstudents will be able to administer graded exercise tests, prescribe individualised exercise routines and demonstrate competent supervision of exercise

EXSS1005 (22105) Sport First Aid/Trainer

Semester 1-3 credit points

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 willbe 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.

EXSS1006 (22106) Sport, Exercise and the Law

Semester 1-3 credit points

The legal aspects of exercise prescription, exercise supervision and professional indemnity are emerging as essential requirements in the duty of care for the health professional. This unit aims to provide some fundamental knowledge in this provision of care. On completion of this unitstudents willbe able to demonstrate legal understanding concerned with the duty of care, the intake, prescription and sale of banned substances, and the duty of care whilst prescribing and supervising exercise programs.

EXSS1007 (22107) Health Centre Management

Semester 1 - 3 credit points

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.

EXSS1008 (22108) Sport Coaching

Semester 1-3 credit points

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 basicprinciples and practice of sports coachingis 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.

EXSS1009 (22109) Resistance Training

Semester 2 - 3 credit points

This unit provides students with understanding of the principles and application of strength training. On completion of this unit students will understand the physiological basis of resistance training, structure an effective resistance training program, and provide strategies to facilitate compliance.

EXSS1010 (22110) Exercise Programming

Semester 2 - 3 credit points

Exercise adherence is essential for the effective execution of any exercise program. This unit aims to provide students with fundamental knowledge which will assist in the effective design and implementation of an exercise program. On completion of the unit students will understand basic exercise training principles and practices as applied to asymptomatic children, adults and the elderly.

EXSS1011 (22111) Video Performance Analysis

Semester 2- 3 credit points

This unit will include knowledge of video recording systems, principles of performance analysis and reporting. This knowledge will be applied in the generation of the student's own video and analysis.

Year 2

BEHS2098 (102B0) Behaviour Modification and Exercise Adherence

Semester 1 - 4 credit points

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.

BIOS2073 (112C5) Kinesiology and Applied Anatomy

Semester 1 - 5 credit points

Pre-requisites Mechanisms of Movement (22101), Body Structure, Homeostasis and Movement (11186)

This course aims to provide students with an in depth understanding of the skeleton, articulations andthemuscles of the body. Emphasis will be placed on the functional and applied aspects of the musculoskeletal system and how they interact during human movement.

BIOS2075 (112C7) Hormones, Metabolism and Exercise

Semester 2 - 4 credit points

Pre-requisites Biochemistry of Exercise (EXSS2003), Exercise Physiology I (EXSS2013)

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.

EXSS2010 (22210) Mechanisms of Injury

Semester 2 - 5 credit points

Pre-requisite Body Structure, Homeostasis & Movement (11186)

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 thebody, such as the knee joint, and how sport practices may modify the likelihood of injury.

EXSS2001 (22201) Growth, Development and Ageing

Semester 2 - 5 credit points

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.

EXSS2011 (22211) Motor Control and Learning I

Semester 1-5 credit points

Pre-requisite Body Structure, Homeostasis and Movement (11186), Mechanisms of Movement (22101)

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.

EXSS2012(22212) Motor Control and Learning II

Semester 2 - 5 credit points

Pre-requisite Motor Control and Learning I

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.

EXSS2003 (22203) Biochemistry of Exercise

Semester 1-5 credit points

Pre-requisites Molecules, Food and Energy (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.

EXSS2013 (22213) Exercise Physiology I

Semester 1-5 credit points

Pre-requisite Molecules, Food and Energy (11187)

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 resp onse. 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.

EXSS2014 (22214) Exercise Physiology II

Semester 2-5 credit points

Pre-requisite Exercise Physiology I (EXSS2013)

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 jetlag on exercise, and the relationship between exercise and sleep will be discussed.

EXSS2007 (22207) Nutrition and Sports Performance

Semester 2-4 credit points

Pre-requisite Biochemistry of Exercise (EXSS2003)

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.

Year 3

BEHS3068 (103C1) Psychological Intervention in Sport and Sociology of Organisations

Semester 1 - 4 credit points

There are two strands to this course; a psychology and a sociology. The psychology strand will give students some exposure to the most important aspect of sport psychology - intervention. The students will develop a practical psychological intervention which will be applied to a sport team or as a case study for an individual athlete. Students will get some exposure to how certain psychological techniques are applied and how to assess their validity in the sport setting. The sociology component will examine the sociology of organisations, including industrial relations, health policy, services and politics, and social change within this context.

EXSS3001 (22301) Exercise Physiology III

Semester 1-5 credit points

Pre-requisites Exercise Physiology I (22205)

Co-requisites Exercise Testing and Prescription I (EXSS3010)

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 p erformance enhancement in detail.

EXSS3010 (22310) Exercise Testing and Prescription I

Semester 1-5 credit points

Pre-requisites Exercise Physiology I (22205)

Co-requisites Exercise Physiology III (EXSS3001)

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.

EXSS3011 (22311) Exercise Testing and Prescription II

Semester 2 - 5 credit points

Pre-requisites Exercise Testing and Prescription I (EXSS3010)

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.

EXSS3012 (22312) Sports Biomechanics I

Semester 1 - 5 credit points

Pre-requisites Quantitative Biomechanics (22204), Kinesiology and Applied Anatomy (112C5)

This unit emphasises practical experience in techniques for analysing human movement. The mechanical principles introduced in Quantitative Biomechanics are exp anded 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.

EXSS3013 (22313) Sports Biomechanics II

Semester 2 - 5 credit points

Pre-requisites Sports Biomechanics I (EXSS3012)

This unitintroduces 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.

EXSS3004 (22304) Occupational Biomechanics

Semester 2 - 4 credit points

Pre-requisites Sports Biomechanics I (EXSS3012), Kinesiology and Applied Anatomy (112C5)

Co-requisites Sports Biomechanics II

Concepts of biomechanics will be applied to the response of the human body to physical tasks. The biomechanics of specific regions, including lower limb, lumbar spine and upper limb, and the effect of their biomechanics on common physical tasks will be investigated.

EXSS3006 (22306) Research Methods

Semester 2 - 5 credit points

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.

EXSS3014 (22314) Exercise and Rehabilitation I

Semester 1 - 5 credit points

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 andbenefits of exercise programs for these conditions willbe considered.

EXSS3015 (22315) Exercise and Rehabilitation II

Semester 2-5 credit points

Pre-requisites Exercise and Rehabilitation I (EXSS3014)

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.

EXSS3007 (22307) Readings and Conference

Semester 2 - 4 credit points

This unit is designed to meet the individual requirements of students who demonstrate an interest and capacity to undertake in depth self-directed learning (with supervision) in a major research area in the School of Exercise and Sport Science. Such students identified for this unit will be of a calibre to proceed to the Honours program.

EXSS3016 (22316) Sport Pharmacology

Semester 1 - 4 credit points

Pre-requisites Body Structure, Homeostasis and Movement (11186), Biochemistry of Exercise (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.

10 School of Health Information Management

The School of Health Information Management offers a Bachelor of Applied Science (Health Information Management), a Bachelor of Applied Science Honours (Health Information Management), a Graduate Diploma of Applied Science (Health Information Management), a Graduate Diploma in Clinical Data Management, and a Master of Applied Science (Health Information Management). In addition, the School offers graduate certificate courses in Casemix and Clinical Data Management. The courses are designed to develop medical record administrators and health information managers as key members of the health care team, responsible for the management of patient-related 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.

A Health Information Manager is concerned with the development, implementation, maintenance and administration of medical record and 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.

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 from the Faculty of Health Sciences are eligible for student membership in the Association and uponsatisfactory completion of the Bachelor of Applied Science (Health Information Management) or Graduate Diploma of Applied Science (Health Information Management) are eligible for full membership.

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*

				Sem 1		Sem 2
Year 1						
HIMT1017	(09117)	Clinical Classification I		-		4
HIMT1030	(09130)	Health Information Systems II		-		3
HIMT1031	(09131)	Australian Health Care Systems		3		-
HIMT1033	(09133)	Medical Terminology I		3		-
HIMT1034	(09134)	Medical Terminology II		-		3
HIMT1035	(09135)	Communication		3		-
HIMT1040	(09140)	Professional Experience IA		4		-
HIMT1041	(09141)	Professional Experience IB		-	4[1]	
HIMT1037	(09137)	Health Information Systems I		6		-
HIMT1039	(09139)	Microcomputer Applications		3		-
BEHS1087	(101A2)	Introduction to Psychology		-		3
BEHS1088	(101A3)	Introduction to Sociology		3		-
BIOS1104	(111B3)	Basic Human Biology IA		3		-
BIOS1105	(111B4)	Basic Human Biology IB		-		3
		Stage Total	*48*	*28*	*4*	*16*

Year 2

HIMT2031	(09238)	Programming Logic and Design				3		-
HIMT2036	(09243)	Medical Science I				-		3
HIMT2039	(09246)	Professional Experience II					5[2]	
fflMT2048	(09255)	Health Informatics				3		-
HIMT2042	(09249)	Database Systems				-		3
HIMT2043	(09250)	Clinical Classification IIA				3		-
fflMT2044	(09251)	Clinical Classification IIB				-		5
HIMT2045	(09252)	Management Principles I				3		-
HIMT2047	(09254)	Casemix Measurement Systems				-		3
BEHS2073	(10284)	Social Psychology				3		-
BEHS2107	(102B9)	Psychology of Work and Management				-		3
BEHS2075	(10286)	Research Methods I: Design				3		-
BEHS2076	(10287)	Research Methods II: Data Analysis				-		3
BIOS2082	(112D7)	Basic Human Biology IIA				3		-
BIOS2083	(112D8)	Basic Human Biology IIB				-		2
			Stage Total	*48*		*21*	*5*	*22*

Year 3

HIMT3045	(09346)	Research Project A				2		-
HIMT3046	(09347)	Research Project B				-		2
HMT3025	(09325)	Financial Management in Health Care				3		-
HIMT3030	(09331)	Medical Science II				3		-
HIMT3031	(09332)	Medical Science III				-		2
HIMT3032	(09333)	Epidemiology				-		3
HIMT3048	(09349)	Professional Experience HIA			**43**			-
HIMT3049	(09350)	Professional Experience IIIB					4[2]	
HIMT3050	(09351)	Clinical Classification HIA				2		-
HIMT3051	(09352)	Clinical Classification IIIB				-'		3
HIMT3041	(09342)	Human Resource Management				3		-
HIMT3043	(09344)	Health Care Evaluation				-		3
HIMT3044	(09345)	Management Principles II				3		-
BEHS3048	(10396)	Sociology of Work and Organisations				-		3
BEHS3047	(10395)	Psychology of Work and Management				3		
HIMT3042	(09343)	Management Principles III						3
fflMT3034	(09335)	Medico-Legal Principles U						2
			Stage Total	*48*	*4*	*19*	*4*	*21*

Honours Program - Additional Units

Year 3

BEHS4037	(10489)	Intermediate Statistics				3	or	3

Year 4

HIMT4046	(09472)	Research Thesis Part A				24		-
HIMT4047	(09473)	Research Thesis Part B				-		24
			Stage Total	*48*				

Notes

[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

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 informationsystems. 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. Theincreasing complexity of communicationbetween 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 Managment) 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 enrollingpart-tirne 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 enrollingpart-time should alsonote the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  - Minimum time: 6 years from the initial academic year of enrolment
  - Maximum time: 10 years from the initial academic year of enrolment
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units offered in different years, that is units having different third digits in their codes eg. HIMTxxx (092xx) and HIMTxxx (093xx), and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet "unsatisfactoryprogress" requirements, as set out above.
- Students must meet pre-requisite and co-requisite requirements as specified for enrolment in specific units of study:
  - Where a unit of study is a pre-requisite, this pre-requisite unit must be passed prior to enrolment in any other units for which it is a pre-requisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility of monitoring changes in curriculum which may affect their progression and for discussing these with the Course Co-ordinator.

Admission Requirements

There are no specific pre-requisites for admission to the Bachelor of Applied Science (Health Information Management) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics and 2 unit English at HSC level.

Course Outline

The course outlines for the Bachelor of Applied Science (Health Information Management) Pass and Honours courses are presented in Table 10.1.

Unit Descriptions

YearJ

HIMT1017 (09117) Clinical Classification i

Semester 2 - 4 credit points

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 Dep artment's Inpatient Statistics Collection and NSW Maternal and Perinatal Collection.

HIMT1030 (09130) Health Information Systems II
Semester 2- 3 credit points
Pre-requisite Health Information Systems I (HIMT1037)
In this unit students extend their study of health information systems to health records used outside hospitals - both in ambulatory and other institutional care settings. Records used in community health, primary care, general practice, domiciliary care, nursing homes and mental health are among the systems examined. Students also complete modules dealing with data forms and screen design; the collection and computation of health care statistics; and concepts and practices used in quality assessment and control in medical record and health information systems. Tutorials concentrate on professional issues through discussion of current literature in the field of health information management.

HIMT1031 (09131) Australian Health Care Systems
Semester 1 - 3 credit points
In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities, and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

HIMT1033 (09133) Medical Terminology I
Semester 1 - 3 credit points
This unit is designed to introduce the student to the language necessary to understand the information contained in the medical record. The students study the basic concepts of medical terminology including the history and development of the medical language, roots, suffixes, prefixes, combining vowels and forms, medical, surgical and investigatory abbreviations relating to the body systems. Also included is the study of lay terms, eponyms, homonyms, medical and surgical specialists departments, and the use of a medical dictionary and MIMS.

HIMT1034 (09134) Medical Terminology II
Semester 2- 3 credit points
Pre-requisite Medical Terminology I (HIMT1033)
This unit builds on the knowledge gained in Medical Terminology I by the study of terms relating to body systems including disease titles and symptoms. Terms relating to specific operative procedures/surgical techniques and common laboratory tests are also studied as well as the use and analysis of terms used in discharge summaries and operation reports. Emphasis is placed on the identification, understanding and correct spelling of terms used in health care.

HIMT1035 (09135) Communication
Semester 1 - 3 credit points
This unit has been developed to prepare the student for study at a tertiary level and to become an effective communicator, both verbally and in writing. Topics studied include the communication and perception processes, verbal and non-verbal communication, study skills, assignment writing, written communication and public speaking. Because students need to be proficient in literature searching this unit also includes an introduction to the library, access to professional literature and audio-visual media, and referencing.

HIMT1040 (09140) Professional Experience IA
Semester 1 - 4 credit points
The unit introduces the student to the various procedures, functions and services of the medical record department during field visits and workshops. Students are given the opportunity to perform various tasks in small groups with supervision from a health information manager.

HIMT1041 (09141) Professional Experience IB
Semester 2- 4 credit points
The unit offers the student a one week placement during the inter-semester recess which allows the student to consolidate and expand the skills acquired in Professional Experience IA. Field visits and workshops focus on health information systems outside the traditional medical record department.

HIMT1037 (09137) Health Information Systems I
Semester 1-6 credit points
This unit introduces the student to the concepts and components of the health information systems, including the health record as an information system, the development of the health record during the healthcare process and the quality of medical recording. The role of the Health Information Manager (HIM) and the functions of a medical record department are examined along with professional ethics and patient rights. The major component of the unit focuses on hospital record management and covers patient identification, medical record numbering and filing systems, record control, retention and storage, discharge analysis, health record content and structure, including source-orientated medical records (SOMR) and problem-orientated medical records (POMR). Generic records management concepts and procedures are integrated into the unit. Legal aspects related to confidentiality and release of information are examined.

The unit includes an introduction to computerised patient information systems, and students will become familiar with the use of the computerised Patient Master Index (PMI) and Admissions, Transfers and Separations (ATS) system through the New South Wales HOSPAS system. Visits to hospitals to observe and practice skills are a compulsory component of the unit, linked with HTMT1041 Professional Experience IB.

HIMT1039 (09139) Microcomputer Applications
Semester 1 - 3 credit points
In this unit students are introduced to microcomputers. This includes the MS-DOS Operating System, a spreadsheet and a word processing package. The students evaluate advantages and limitations of microcomputers in comparison to mainframe computers and learn to use E-mail, the Internet, and CD-ROM.

BEHS1087 (101A2) Introduction to Psychology
Semester 2- 3 credit points
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.

BEHS1088 (101 A3) Introduction to Sociology
Semester 1-3 credit points
An introduction to the theoretical approaches to sociology, including social organisation and health, historical and cross cultural patterns of health and illness, the nature of the Australian economy, the Australian political structure, the nature of class in Australia, gender relations, Australian aborigines, non-English speaking migrants and ageing in Australian society.

BIOS1104 (111B3) Basic Human Biology IA
Semester 1-3 credit points
This unit includes an introduction to human biology, the histology of basic tissues, and the anatomy of the skeletal system, the joints and the skin. Principles of homeostasis and metabolism are 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 these fields. This unit includes some laboratory classes where anatomy is studied from human cadavers.

BIOS1105 (111B4) Basic Human Biology IB
Semester 2- 3 credit points
This unit covers 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 humanbody, and the associated medical terminology. This unit includes some laboratory classes where anatomy is studied from human cadavers.

Year 2

HIMT2031 (09238) Programing Logic and Design
Semester 1-3 credit points
This unit introduces students to structured programing, using the language PASCAL. They learn the standard techniques generally employed in programing, the syntax of PASCAL, program design aids (Nassi-Shneiderman Diagrams), data types and data structures and the use of functions and procedures.

HIMT2036 (09243) Medical Science I
Semester 2- 3 credit points
Pre-requisite Medical Terminology II (09134)
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.

HIMT2039 (09246) Professional Experience II
Inter-semester-105 hours (3 weeks) 5 credit points
Pre-requisite Professional Experience I (09136)
This unit allows the student to build on the practical experience gained in year 1 by examining in detail the procedures in a medical record department. Students will be expected to be competent and proficient in carrying out medical record and health information procedures using both manual and computerised systems. A major task during the placement is to write procedure manual entries for the medical record department.

HIMT2048 (09255) Health Informatics
Semester 1 - 3 credit points
Thisunitis designed to exarninehosptialinforrnationsysterns 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.

HIMT2042 (09249) Database Systems
Semester 2 - 3 credit points
Pre-requisite Programing Logic and Design (HIMT2031)
This unit covers the study of relational database design, using 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.**

HIMT2043 (09250) Clinical Classification IIA
Semester 1 - 3 credit points
Pre-requisites Clinical Classification I (09117) and Medical Terminology II (09134)
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.

HIMT2044 (09251) Clinical Classification IIB
Semester 2- 5 credit points
Pre-requisite Clinical Classification IIA (HIMT2043)
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.

HIMT2045 (09252) Management Principles I
Semester 1 - 3 credit points
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 It.

HIMT2047 (09254) Casemix Measurement Systems
Semester 2- 3 credit points
This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will be explored.

BEHS2073 (10284) Social Psychology
Semester 1 - 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.

BEHS2107 (102B9) Psychology of Work and Management
Semester 2- 3 credit points
Pre-requisite Social Psychology (BEHS2073)
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.

BEHS2075 (10286) Research Methods I: Design
Semester 1-3 credit points
This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students willbe introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

BEHS2076 (10287) Research Methods II: Data Analysis
Semester 2 - 3 credit points
This unit builds on 10286 and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from HIM practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests, and analysis of variance. Students will use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BIOS2082 (112D7) Basic Human Biology IIA
Semester 1-3 credit points
Pre-requisite Basic Human Biology I (11162)
This unit covers musculoskeletal anatomy, neuroanatomy and neurophysiology, the anatomy and physiology of the visual and auditory /vestibular systems. An introduction to haematology assists students in their understanding of disease processes. This unit includes some laboratory classes where anatomy is studied from models and cadavers.

BIOS2083 (112D8) Basic Human Biology MB
Semester 2 - 2 credit points
Pre-requisite Basic Human Biology I (11162)
This unit continues to build on the understanding of disease processes that students gained in Basic Human Biology IIA. This unit covers the anatomy and physiology of the gastrointestinal system and introduces students to microbiology and infectious diseases, and immunology. This unit includes some laboratory classes where anatomy is studied from models and cadavers.

Year 3

HIMT3045 (09346) Research Project A
Semester 1 - 3 credit points
Pre-requisite Research Methods II: Data Analysis (10287)
This unit, along with Research Project B, has been designed to enable senior students to develop a research proposal indicating an understanding of the research techniques involved and based on some aspect of the theory and practice of health information managment.

HIMT3046 (09347) Research Project B
Semester 2 - 3 credit points
In this unit, whichbuilds on Research Project A, the students carry out a research project and present a report on the outcome of the project.

HIMT3025 (09325) Financial Management in Health Care
Semester 1 - 3 credit points
In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include the accounting function embracing basic accountingprocedures, financial andbudgetary 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.

HIMT3030 (09331) Medical Science II
Semester 1 - 3 credit points
Pre-requisite Medical Science I (09243)
This unit continues the study of disease processes and the physician's and surgeon's response to these processes, and focuses on topics in general and specialist surgery and obstetrics.

HIMT3031 (09332) Medical Science III
Semester 2-2 credit points
Pre-requisite Medical Science II (09331)
In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, paediatrics, oncology, radiotherapy, nuclear medicine, geriatrics, and rehabilitation medicine. Studies also include investigations and pharmacology.

HIMT3032 (09333) Epidemiology
Semester 2 - 3 credit points
This unit introduces the student to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies and quantitative 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.

HIMT3034 (09335) Medico-Legal Principles II
Semester 2 - 2 credit points
This unit covers institutional legal responsibilities in health care, and includes Commonwealth and NSW legislation relating to health care systems, and policies incorporated within the NSW Department of Health Patients Matters manual.

HIMT3048 (09349) Professional Experience MA
Pre-semester - 4 credit points
This unit is designed to extend the student's knowledge and level of understanding in settings outside the traditional medical record department. Students and 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.

HIMT3049 (09350) Professional Experience MB
Inter-semester - 4 credit points
This unit allows the student to gain direct experience in the organisation and managment of medical record and patient information services in hospitals.

H1MT3050 (09351) Clinical Classification IIA
Semester 1 - 2 credit points
Pre-requisite Clinical Classification IIB (09251)
This unit extends the student's skills in clinical coding through practical sessions in a hospital setting.

HIMT3051 (09352) Clinical Classification IIB
Semester 2- 3 credit points
Pre-requisite Clinical Classification IIB (09251)
In this unit the most recent coding standards are reviewed, computerised coding software is examined, and methods of quality control for coding are investigated.

HIMT3041 (09342) Human Resource Management
Semester 1 - 3 credit points
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 humanresource 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.

HIMT3042 (09343) Management Principles III
Semester 2 - 3 credit points
In this unit students continue to study the historical and theoretical aspects of management whilst relating this knowledge to the practical aspects of health information management. Topics studied include motivation, leadership, the control process and total quality managment. (1998 description)

HIMT3043 (09344) Health Care Evaluation
Semester 2 - 3 credit points
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 evidenced 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.

HIMT3044 (09345) Management Principles II
Semester 1 - 3 credit points
This unit builds on Management Principles I and introduces students to the management function of planning and the change process with particular applications in the areas of Health Information Management. Organisational communication and occupational health and safety are also studied. (1998 description only)

BEHS3047 (10395) Psychology of Work and Management
Semester 1 - 3 credit points
This unit aims to bring behavioural science perspectives to the analysis of work, work behaviour and occupations as applied to health information managment and includes work motivation, work satisfaction, work and the individual, the psychopathology of work, work stress, technical change, work and leisure, redesigning work and management change.

BEHS3048 (10396) Sociology of Work and Organisations
Semester 2 - 3 credit points
Pre-requisite Health, Society and Social Change (10285)
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.

Honours Program

General information related to the Honours Program is presented in Chapter 3. 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 Year 3 units in the Pass Course. In addition, students must complete the following:

Year 3

BEHS4037 (10489) Intermediate Statistics
Semester 1 or2-3 credit points
Pre-requisite Research Methods I (10286) and Research Methods II (10287), or equivalent
In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

Year 4

HIMT4046/HIMT4047 (09472/09473) Research Thesis A/ Research Thesis B
Total 48 credit points
This unit provides Honours students with the opportunity to undertake an investigation of an area of specialised interest in health information management or a closely related area and prepare a written report including a description of the research question, the process of investigation, a literature review, the findings and their implications in relation to the management of health information.

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 (N.S.W.).

1998 Clinical Practice Dates

Bachelor of Applied Science
Year 1
June 29 - July 3 (1 week)
Year 2
July 20 - August 7 (3 weeks)
Year 3
2-13 February; 16-27 February (2 weeks)
July 27 - August 7 (2 weeks)

Uniforms

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

11 School of Medical Radiation Technology

The School of Medical Radiation Technology was established at the Cumberland College of Health Sciences in 1988 when it offered a Diploma of Applied Science (Medical Radiation Technology). The Bachelor of Applied Science (Medical Radiation Technology) course commenced in 1992. There are three professional streams in the undergraduate course; Diagnostic Radiography, Radiation Therapy and Nuclear Medicine Technology. A Graduate Diploma of Applied Science (Medical Ultrasonography) commenced in 1991. A Graduate Certificate of Applied Science (Medical Ultrasonography), a distance education program for rural health workers, commenced in 1994.

A diagnostic radiographer is responsible for the production of diagnostic images on a patient who has been referred for a specific series of investigations. Most of the investigations performed will use radiation beams (X-ray) to create the image. The investigations vary markedly in their complexity extending from simple skeletal radiographs to sophisticated high technology investigations which use both radiation beams and computers to create sectional images or a map of other parts of the body. A rapidly emerging high technology investigation, Magnetic Resonance Imaging, uses high intensity magnetic fields, radio-frequency waves and computers to create images of any region of the patient's body.

A nuclear medicine technologist uses radioactive substances and sophisticated instrumentation such as gamma cameras and computers to gain diagnostic information about disease. Nuclear medicine procedures provide physiological as well as structural information about the human body. The technologist is responsible for preparing radiopharmaceuticals, working directly with patients, analysing computer data, and producing images and results for medical diagnosis.

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. The 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. Accurate positioning of the patient and the treatment machine is essential because of the high doses of radiation that are delivered to the diseased area. The profession combines close patient contact with the use of high technology equipment.

A medical sonographer is responsible for the production of diagnostic images and for obtaining other diagnostic information using ultrasound. Investigations are performed on most regions of the body.

Table 11.1 Bachelor of Applied Science (Medical Radiation Technology)

Course Code	*Mode of Offer*		
1808[D]	*Pass Course; Full-time, 3 years*	*18211D]*	*Conversion Course; Part-time, 1 year*
1809[N]	*Pass Course; Full-time, 3 years*	*18221N]*	*Conversion Course; Part-time, 1 year*
1810[R]	*Pass Course; Full-time, 3 years*	*1823[R]*	*Conversion Course; Part-time, 1 year*
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

				Sem 1	Sem 2
Year 1					
BEHS1112	(101C9)	Behavioural Science IA - Introduction to Computing		3	-
BEHS1113	(101D1)	Behavioural Science IB - Introduction to Psychology		-	3
BIOS1100	(111A9)	Radiation Physics A		7	-
BIOS1101	(111B0)	Radiation Physics B		-	5
BIOS1102	(111B1)	Anatomy of Body Systems A		4	-
BIOS1103	(111B2)	Anatomy of Body Systems B		-	4
BIOS1084	(11193)	Introductory Human Biology		-	4
MRTY1014	(18116)	Introduction to Medical Radiation		6	-
MRTY1013	(18114)	Clinical Education I		3	3
PLUS					
Diagnostic Radiography					
MRTY1015	(18117)	Introductory Radiography		-	6
OR					
Nuclear Medicine					
MRTY1016	(18118)	Introductory Nuclear Medicine		-	6
OR					
Radiation Therapy					
MRTY1017	(18119)	Introductory Radiation Therapy		-	6
			Stage Total 48	*23*	*25*
Year 2					
BEHS2103	(102B5)	Behavioural Science IIA		2	-
BEHS2104	(102B6)	Behavioural Science IIB		-	*2*
BIOS2078	(112D3)	Pathophysiology A		3	-
BIOS2079	(112D4)	Pathophysiology B		-	3
MRTY2037	(18237)	Radiation Protection		1	-
MRTY2038	(18238)	Radiation Biology		-	1
MRTY2039	(18239)	Sectional Anatomy A		2	-
MRTY2040	(18240)	Sectional Anatomy B		-	2
PLUS					
Diagnostic Radiography					
MRTY2041	(18241)	Imaging IA		2	-
MRTY2042	(18242)	Imaging IB		-	3
MRTY2043	(18243)	Radiography IA		3	-
MRTY2044	(18244)	Radiography IB		-	3
MRTY2045	(18245)	Radiographic Pathology IA		2	-
MRTY2046	(18246)	Radiographic Pathology IB		-	2
MRTY2034	(18234)	Clinical Education IIA		9	8
OR					
Nuclear Medicine					
MRTY2047	(18247)	Instrumentation IA		2	-
MRTY2048	(18248)	Instrumentation IB		-	2
MRTY2049	(18249)	Nuclear Medicine IA		5	-
MRTY2050	(18250)	Nuclear Medicine IB		-	5
MRTY2051	(18251)	Radiopharmacy A		2	-
MRTY2052	(18252)	Radiopharmacy B		-	2
MRTY2035	(18235)	Clinical Education IIB		7	7

Radiation Therapy

BIOS2080	(112D5)	Tumour Pathology A			1	-
BIOS2081	(112D6)	Tumour Pathology B			-	1
MRTY2053	(18253)	Radiation Therapy IA			4	-
MRTY2054	(18254)	Radiation Therapy IB			-	4
MRTY2055	(18255)	Radiotherapy Physics IA			2	-
MRTY2056	(18256)	Radiotherapy Physics IB			-	2
MRTY2036	(18236)	Clinical Education EC			9	9
		Stage Total	*48*		*24*	*24*

Year 3

BEHS3073	(103C6)	Behavioural Science flTA			5	-
BEHS3074	(103C7)	Behavioural Science IIIB			-	3
MRTY3037	(18337)	Image Processing A			2	-
MRTY3038	(18338)	Image Processing B		•	-	1
MRTY3020	(18320)	Professional Studies			2	-

PLUS

Diagnostic Radiography

MRTY3039	(18339)	Sonography A			2	-
MRTY3040	(18340)	Sonography B		*		2
MRTY3041	(18341)	Imaging IIA			4	-
MRTY3042	(18342)	Imaging IIB			-	2
MRTY3043	(18343)	Radiography DA			4	-
MRTY3044	(18344)	Radiography EB			-	2
MRTY3032	(18332)	Radiographic Pathology II		•		2
MRTY3033	(18333)	Contrast Media			2	-
MRTY3035	(18335)	Clinical Education ELA			4	11

UK

Nuclear Medicine

MRTY3039	(18339)	Sonography A			2	-
MRTY3040	(18340)	Sonography B			-	2
MRTY3045	(18345)	Instrumentation IIA			4	-
MRTY3046	(18346)	Instrumentation EB			-	3
MRTY3047	(18347)	Nuclear Medicine IIA			6	-
MRTY3048	(18348)	Nuclear Medicine IIB			-	4
MRTY3026	(18326)	Clinical Education flTB			4	10

UK

Radiation Therapy

MRTY3049	(18349)	Radiation Therapy EA			5	-
MRTY3050	(18350)	Radiation Therapy nB			-	3
MRTY3051	(18351)	Radiotherapy Physics EA			2	-
MRTY3052	(18352)	Radiotherapy Physics EB			-	2
MRTY3053	(18353)	Principles of Oncology A			2	-
MRTY3054	(18354)	Principles of Oncology B			-	2
MRTY3030	(18330)	Clinical Education IIIC			6	11
MRTY3034	(18334)	Radiation Therapy Project			1	1
		Stage Total	*48*			

Honours Program - Additional Units

Year 3'

MRTY3055	(18355)	Research in Medical Radiations IA		1		
MRTY3056	(18356)	Research in Medical Radiations IB				2
		Stage Total	*3*	*1*		*2*

Year 4[s]

BEHS4032	(10475)	Research Methods and Statistics		3		
MRTY4017	(18426)	Honours Workshop A		2		
MRTY4018	(18427)	Honours Workshop B				2
MRTY4006	(18413)	Honours Thesis		16		21
MRTY4011	(18419)	Research in Medical Radiations II				1
		Elective[3]		3	OR	3
		Stage Total	*48*			

Notes

[1] These are additional units for students accepted into the Honours Program

[2] Year 4 units (in special circumstances) may be taken over two years

[3] Students may choose from one of the following electives:

COMH4025	(084A5)	Epidemiological Research
COMH4026	(084A6)	Evaluation Research
COMH4027	(084A7)	History and Philosophy of Scientific Methodology
BEHS4037	(10489)	Intermediate Statistics
BEHS4038	(10490)	Multivariate Statistics
BEHS4039	(10491)	Qualitative Research Methods
BEHS4040	(10492)	Survey Research Methods

Conversion Course

MRTY4016	(18425)	Radiation Biology and Protection		-		3
MRTY4019	(18428)	Medical Radiations Project		5		9
PLUS						
Diagnostic Radiography						
MRTY4008	(18416)	Advances in Radiography		7		-
OR						
Nuclear Medicine Technology						
MRTY4009	(18417)	Sectional Anatomy		7		-
OR						
Radiation Therapy						
MRTY4010	(18418)	Sonography		7		-
		Stage Total	*24*	*12*		*12*

Bachelor of Applied Science (Medical Radiation Technology)

This coursehas three mainstreams: Diagnostic Radiography, Nuclear Medicine Technology and Radiation Therapy. The course is structured with a common first semester in year 1.

Admission Requirements

There are no specific pre-requisites for admission to the Bachelor of Applied Science (Medical Radiation Technology) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Mathematics, and either two of 2 unit Physics, 2 unit Chemistry, and 2 unit Biology or 3/4 unit Science at HSC level. Good oral English communication skills are assumed as a large component of the course involves dealing directly with people in clinical settings. Advanced standing in some units will be given on the basis of successfully passing a challenge exam.

Course Outline

The course outline with its three streams and Honours Program is presented in Table 11.1.

Unit Descriptions

Year 1

BEHS1112(101C9) Behavioural Science IA Introduction to Computing
Semester 1 - 3 credit points
This unit provides an introduction to computing systems with special emphasis on the microcomputer. Applications relevant to the health sciences and the general principles of structured prograrnming will be examined.

BEHS1113 (101D1) Behavioural Science IB Introduction to Psychology
Semester 2 - 3 credit points
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.

BIOS1100 (111A9) Radiation Physics A
Semester 1 - 7 credit points
This unit examines the structure of matter together with physical phenomena such as the types of ionising radiation, their interactions with matter, electricity, magnetism, electrical safety, acoustics and heat. In addition, it provides a brief review of the necessary fundametal physics and mathematics required for this unit and the allied unit, Radiation Physics B (BIOS1101)

BIOS1101 (111B0) Radiation Physics B
Semester 2 - 5 credit points
Assumed Knowledge Radiation Physics A (BIOS1100)
This unit provides an introduction to basic electronics, optics, detection of ionising radiation, dosimetry and the biological effects of non-ionising radiation.

BIOS1102(111B1) Anatomy of Body Systems A
Semester 1 - 4 credit points
This unitprovides a general introduction to the organisation of the human body and studies the regional anatomy of the upper and lower limbs, trunk, pelvis, head, neck, cardiovascular and respiratory systems.

BIOS1103 (111B2) Anatomy of Body Systems B
Semester 2- 4 credit points
This unit provides a general introduction to the anatomy and function of the digestive, urinary, reproductive and nervous systems, In addition, it provides an outline of embryology, genetics and the special senses.

BIOS1084 (11193) Introductory Human Biology
Semester 2- 4 credit points
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, the principles of homeostasis, genetics and blood.

MRTY1014 (18116) Introduction to Medical Radiations
Semester 1 - 6 credit points
Co-requisite Radiation Physics A (BIOS 1100)
This unit provides an introduction to the fundamental principles and applications of diagnostic radiography, radiation therapy, nuclear medicine image generation and diagnostic ultrasound. Students will also be introduced to the concept of multi-disciplinary health care by reviewing the way these three professions interact and provide information to each other.

MRTY1013 (18114) Clinical Education I
Semester 1 - 3 credit points
Semester 2 - 3 credit points
Co-requisite Introduction to Medical Radiation (MRTY1014), Introductory Radiography (MRTY1015), or Introductory Nuclear Medicine (MRTY1016), or Introductory Radiation Therapy (MRTY1017)
This unit provides an introduction to the clinical environments of diagnostic radiography, nuclear medicine or radiation oncology and the role of the diagnostic radiographer, nuclear medicine technologist or radiation therapist as a member of the health care team.

MRTY1015 (18117) Introductory Radiography
Semester 2- 6 credit points
Co-requisite Radiation Physics B (BIOS1101)
This unit provides an introduction to the principle and practice of basic radiographic procedures of the upper and lower limb, and chest.

MRTY1016 (18118) Introductory Nuclear Medicine
Semester 2 - 6 credit points
Co-requisite Radiation Physics B (BIOS1101)
This unit introduces students to their role in the clinical environment. It aims to develop the student's understanding of physiology, SPECT and the application of skeletal, lung, and cardiac nuclear medicine.

MRTY1017 (18119) Introductory Radiation Therapy
Semester 2 - 6 credit points
Co-requisite Radiation Physics B (BIOS1101)
In this unit the student is introduced to the role of the radiation therapist in a radiation oncology department. The use of radiation therapy in the treatment of skin lesions and as a palliative measure in the treatment of malignant disease will be examined. This is the first of five units which use problem-based learning methods to encourage students to investigate the concepts involved in applied radiation therapy.

Year 2

BEHS2103(102B5) Behavioural Science IIA
Semester 1 - 2 credit points
Pre-Requisite/Co-Requisite Behavioural Science 1B Introduction to Psychology (101D1)
This unit, Australian Society and Culture, covers the basic sociological concepts and their significance for analysing contemporary Australian society.

BEHS2104 (102B6) Behavioural Science IIB
Semester 2-2 credit points
Pre-Requisite/Co-Requisite Behavioural Science 1B Introduction to Psychology (101D1)
This unit, Communication and Interaction, applies theoretical perspective and concepts from Psychology and Sociology to aspects of communication and interaction.

BIOS2078 (112D3) Pathophysiology A
Semester 1 - 3 credit points
Pre-requisites Introductory Human Biology (11193), Anatomy of Body Systems (11174)
This unit studies microbiology, immunology, pharmacology, neoplasia and the physiology and pathophysiology of the cardio-vascular and gastrointestinal systems relevant to the study of medical radiation technology.

BIOS2079(112D4) Pathophysiology B
Semester 2 - 3 credit points
Pre-requisites Introductory Human Biology (11193), Anatomy of Body Systems (11174)
This unit studies the physiology and pathophysiology of the respiratory, skeletal, renal, endocrine and central nervous systems relevant to the study of medical radiation technology.

BIOS2080 (112D5) Tumour Pathology A
Semester 1 -1 credit point
Pre-requisites Anatomy of Body Systems (11174), Introduction Human Biology (11193)
Co-requisite Pathophysiology A (BIOS2078)
This unit studies neoplasia and the detailed pathology of tumours of the skin, haemopoietic, and gastrointestinal systems to provide a foundation to understanding the rationale of oncological regimes.

BIOS2081 (112D6) Tumour Pathology B
Semester 2-1 credit point
Pre-requisites Anatomy of Body Systems (11174), Introduction Human Biology (11193)
Co-requisite Pathophysiology B (BIOS2079)
This unit studies the detailed pathology of tumours of the musculo-skeletal, respiratory, reproductive, endocrine, renal and central nervous systems to provide a foundation to understanding the rationale of oncological regimes.

MRTY2037 (18237) Radiation Protection
Semester 1 -1 credit point
Pre-requisites Radiation Physics (11171)
This unit provides a study of the safe uses of ionising radiation in medicine. Issues of monitoring, shielding and Australian radiation legislation are addressed.

MRTY2038 (18238) Radiation Biology
Semester 2-1 credit point
Pre-requisites Radiation Physics (11171), Introductory Human Biology (11193)
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.

MRTY2039 (18239) Sectional Anatomy A
Semester 1 - 2 credit points
Pre-requisites Anatomy of Body Systems (11174)
This unit facilitates the ability of the student to identify the normal anatomy of the chest and abdomen 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.

MRTY2040 (18240) Sectional Anatomy B
Semester 2 - 2 credit points
Pre-requisites Anatomy of Body Systems (11174)
This unit facilitates the ability of the student to identify the normal anatomy of the pelvis, brain and neck 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.

MRTY2041 (18241) Imaging IA
Semester 1-2 credit points
Pre-requisites Radiation Physics (11171), Introduction to Radiography (18117)
Co-requisite Radiation Protection (MRTY2037)
This unit studies the construction, design and operation general radiographic equipment. This unit also includes an analysis of scatter in diagnostic radiography.

MRTY2042 (18242) Imaging IB
Semester 1-3 credit points
Pre-requisites Radiation Physics (11171), Introduction to Radiography (18117)
Co-requisite Radiation Biology (MRTY2038)
This unit studies the construction, design and operation and quality control of tomographic, image receptor and processing equipment. This unit also includes methods of radiation protection specifically applied to diagnostic radiography.

MRTY2043 (18243) Radiography IA
Semester 1-3 credit points
Pre-requisites Radiation Physics (11171), Clinical Education I (18114), Introductory Radiography (18117)
Co-requisites Imaging IA (MRTY2041), Clinical Education IIA (MRTY2034)
The principles and practice of plain non-contrast radiographic procedures of the "appendicular skeleton", chest and abdominal regions are comprehensively addressed in this unit. This unit studies the radiographic appearance of relevant osseous and visceral anatomy visualised in the plain radiographic procedures taught in this unit.

MRTY2044 (18244) Radiography IB

Semester 2 - 3 credit points

Pre-requisites Radiation Physics (11171), Clinical Education I (18114), Introductory Radiography (18117)

Co-requisites Clinical Education IIA (MRTY2034)

The principles and practice of plain non-contrast radiographic procedures of the "axial skeleton", the upper airway, to image foreign objects, and an introduction to mobile and paediatric radiography are comprehensively addressed in this unit. This unit studies the radiographic appearance of relevant osseous and visceral anatomy visualised in the plain radiographic procedures taught in this unit.

MRTY2045 (18245) Radiographic Pathology IA

Semester 1-2 credit points

Pre-requisites Anatomy of Body Systems (11174), Introduction to Human Biology (11193)

Co-requisites Pathophysiology A (BIOS2078), Radiography IA (MRTY2043)

This unit provides the student with the basics for pattern recognition of the normal radiographic appearance of the chest abdomen and bony skeleton. The unit will also include identifying some specific injuries and disease processes.

MRTY2046 (18246) Radiographic Pathology IB

Semester 2 - 2 credit points

Pre-requisites Radiographic Pathology IA (MRTY2045)

Co-requisites Pathophysiology B (BIOS2079), Radiography IB (MRTY2044)

This unit compliments the basic pattern recognition learnt in Radiographic Pathology IA. The unit identifies abnormal appearances on radiographic images as used to identify specific pathologies.

MRTY2034 (18234) Clinical Education IIA

Semester 1 - 9 credit points

Semester 2 -8 credit points

Pre-requisites Introductory Radiography (18117), Clinical Education I (18114)

Co-requisites Radiography IA (MRTY2043) and Radiography IB (MRTY2044)

This unitprovidesastructuredprogramof clinical experience to attain knowledge and skills for the radiographic examinations taught in Radiography I.

MRTY2047 (18247) Instrumentation IA

Semester 1 - 2 credit points

Pre-requisites Radiation Physics (11171), Introduction to Medical Radiations (18116)

This unit studies the construction and design of nuclear medicine instrumentation components.

MRTY2048 (18248) Instrumentation IB

Semester 2 - 2 credit points

Pre-requisites Instrumentation IA (MRTY2047)

This unit studies the operation and quality control of nuclear medicine instrumentation.

MRTY2049 (18249) Nuclear Medicine IA

Semester 1 - 5 credit points

Pre-requisites Radiation Physics (11171), Clinical Education 1 (18114)

Co-requisites Radiopharmacy A (MRTY2051), Clinical Education IIB (MRTY2035)

This unit examines in detail the applications of nuclear medicine to the respiratory, skeletal and genito-urinary systems of the body including the study of the associated physiological pathways.

MRTY2050 (18250) Nuclear Medicine IB

Semester 2 - 5 credit points

Pre-requisites Nuclear Medicine IA (MRTY2049), Radiopharmacy A(MRTY2051)

Co-requisites Clinical Education IIB (MRTY2035)

This unit examines in detail the applications of nuclear medicine to the cardiovascular, gastrointestinal and lymphatic systems of the body including the study of the associated physiological pathways.

MRTY2051 (18251) Radiopharmacy A

Semester 1-2 credit points

Pre-requisite Introductory Human Biology (11193)

Co-requisite Nuclear Medicine I A (MRTY2049)

This unit examines the design, production, preparation and biological behaviour of radiopharmaceuticals used in the body systems covered by the unit Nuclear Medicine.

MRTY2052 (18252) Radiopharmacy B

Semester 2 - 2 credit points

Pre-requisite Radiopharmacy A (MRTY2051)

This unit examines the design, production, preparation and biological behaviour of radiopharmaceuticals used in the body systems covered by the unit Nuclear Medicine.

MRTY2035 (18235) Clinical Education IIB

Semester 1 - 7 credit points

Semester 2 - 7 credit points

Pre-requisites Introductory Nuclear Medicine 1 (18118), Clinical Education (18114)

Co-requisite NuclearMedicine IA (MRTY2049) and Nuclear Medicine IB(MRTY2050)

This unit provides a structured program of clinical experience to attain knowledge and skills for the nuclear medicine procedures taught in Nuclear Medicine.

MRTY2053 (18253) Radiation Therapy IA

Semester 1 - 4 credit points

Pre-requisites Radiation Physics (11171), Introductory Radiation Therapy (18119)

Co-requisites Radiotherapy Physics IA (MRTY2055), Clinical Education IIC (MRTY2036)

This is the second of five units which cover the principles and applications of applied radiation therapy. Basic treatment, simulation and planning methods are covered with an emphasis on techniques that use combinations of two fields. Isocentric principles will also be introduced. Problem-based learning methods will be used in this unit.

MRTY2054 (18254) Radiation Therapy IB

Semester 2 - 4 credit points

Pre-requisite Radiation Therapy IA (MRTY2053)

Co-requisites Radiotherapy Physics IB (MRTY2056), Clinical Education IIC (MRTY2036)

This is the third of five units which cover the principles and applications of applied radiation therapy. More advanced treatment, simulation and planning methods are covered, with an emphasis on multi-field techniques. Isocentric . principles are more deeply explored. Problem-based learning methods will be used in this unit.

MRTY2055 (18255) Radiotherapy Physics IA

Semester 1 - 2 credit points

Pre-requisites Radiation Physics (11171), Introductory Radiation Therapy (18119)

This is the first of four units which cover the physical principles of the use of ionising radiation in radiation therapy. The physical basis of beam calibration and dose calculation for fixed and isocentric radiotherapy are addressed.

MRTY2056 (18256) Radiotherapy Physics IB

Semester 2 - 2 credit points

Pre-requisites Radiotherapy Physics IA (MRTY2055)

This is the second of four units which cover the physical principles of the use of ionising radiation in radiation therapy. In this unit various beam generators and dosimetry equipment are introduced. The physics of radiotherapy dose calculation is further explored.

MRTY2036 (18236) Clinical Education IIC

Semester 1 - 9 credit points

Semester 2 - 9 credit points

Pre-requisites Clinical Education I (18114)

Co-requisite Radiation Therapy IA (MRTY2053), and Radiation Therapy IB (MRTY2054)

This unitprovides a structured program of clinical experience to apply the knowledge and skills studied in Radiation Therapy IA and IB.

Vear3

BEHS3073(103C6) Behavioural Science MA

Semester 1-5 credit points

Pre-requisite Behavioural Science II (10283).

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.

BEHS3074 (103C7) Behavioural Science IIIB

Semester 2 - 3 credit points

Pre-requisite Behavioural Science II (10283)

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.

MRTY3037 (18337) Image Processing A

Semester 1 - 2 credit points

Pre-requisite Introduction to Medical Radiations (18116), Introductory Radiography (18117), or Introductory Nuclear Medicine (18118), or Introductory Radiaiton Therapy (18119)

This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY3038 (18338) Image Processing B

Semester 2-1 credit points

Pre-requisite Introduction to Medical Radiations (18116), Introductory Radiography (18117), or Introductory Nuclear Medicine (18118), or Introductory Radiaiton Therapy (18119)

This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY3020 (18320) Professional Studies

Semester 1 - 2 credit points

Pre-requisite Clinical Education IIA (18224), OR Clinical Education IIB (18228), OR Clinical Education IIC (18232)

This unit provides a framework for the understanding of the professional, ethical and legal issues relating to the medical radiation profession. Emphasis will be placed on the current professional issues in medical radiation sciences and the impending role of the graduate as a contributing member of the profession.

MRTY3039 (18339) Sonography A

Semester 1-2 credit points

Pre-requisite Introductory Medical Radiations (18116)

This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY3040 (18340) Sonography B

Semester 2 - 2 credit points

Pre-requisite Introductory Medical Radiations (18116)

This unit extends the areas of clinical applications and practice of diagnostic ultrasound.

MRTY3041 (18341) Imaging IIA

Semester 1 - 4 credit points

Pre-requisites Radiation Biology & Protection (18220), Imaging I (18222), Radiography I (18223)

Co-requisite Image Processing A (MRTY3037)

This unit complements Imaging I and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY3042 (18342) Imaging IIB

Semester 2 - 2 credit points

Pre-requisites Radiation Biology & Protection (18220), Imaging I (18222), Radiography I (18223)

Co-requisite Image Processing B (MRTY3038)

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.

MRTY3043 (18343) Radiography IIA

Semester 1-4 credit points

Pre-requisites Radiography I (18223), Clinical Education IIA (18234)

Co-requisites Clinical Education IIIA (MRTY3035)

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.

MRTY3044 (18344) Radiography IIB

Semester 2 - 2 credit points

Pre-requisites Radiography (18223), Clinical Education IIA (18224)

Co-requisites Clinical Education IIIA (MRTY3035)

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.

MRTY3032 (18332) Radiographic Pathology II

Semester 2-2 credit points

Pre-requisite Radiographic Pathology (18233)

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.

MRTY3033 (18333) Contrast Media

Semester 1 - 2 credit points

Pre-requisite Introduction to Human Biology (11193)

Co-requisites Radiography IIA (MRTY3043), Clinical Education IIIA (MRTY3035)

This unitprovides thestudentwith fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis onintravascularcontrastmedia. Themechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY3035 (18335) Clinical Education IIIA

Semester 1-8 credit points

Semester 2- 7 credit points

Pre-requisite Clinical Education IIA (18224)

Co-requisite Radiography IIA (MRTY3043) and Radiography IIB (MRTY3044)

Thisunitprovidesastructuredprogram of clinical experience to attain the applied knowledge and skills for radiographic examinations taught in Radiography IIA & IIB.

MRTY3045 (18345) Instrumentation IIA

Semester 1 - 4 credit points

Pre-requisite Instrumentation (18225)

This unit provides the student with a detailed knowledge of the most recently developed Nuclear Medicine Instrumentation systems giving the student some understanding of appropriate usage and performance evaluation.

MRTY3046 (18346) Instrumentation IIB

Semester 2 - 3 credit points

Pre-requisite Instrumentation (18225)

This unit provides the student with some advanced knowledge of nuclear medicine instrumentation including PET (Positron Emission Tomography) and Cyclotron.

MRTY3047 (18347) Nuclear Medicine IIA

Semester 1 - 6 credit points

Pre-requisites Nuclear Medicine (18226), Clinical Education IIB (18235), Radiopharmacy (18227)

Co-requisites Instrumentation IIA (MRTY3045), Clinical Education IIIB (MRTY3026)

This unit examines in detail the applications of Nuclear Medicine to the endocrine and central nervous systems of the body and tumour and infection localisation including the study of the associated physiological pathways.

MRTY3048 (18348) Nuclear Medicine IIB

Semester 2 - 4 credit points

Pre-requisites Nuclear Medicine IIA (MRTY3047), Clinical Education IIB (18235)

Co-requisites Instrumentation IIB (MRTY3046), Clinical Education IIIB (MRTY302B)

This unit provides an understanding of Positron Emission Tomography, Radio Immuno Assay, in vivo tracer studies and Paediatric Nuclear Medicine including the study of the associated physiological pathways.

MRTY3026 (18326) Clinical Education IIIB

Semester 1- 7 credit points

Semester 2 - 7 credit points

Pre-requisite Clinical Education IIB (18235)

Co-requisite Nuclear Medicine IIA (MRTY3047), and Nuclear Medicine IIB (MRTY3048)

This unitprovides astructuredprogramof clinical experience to attain knowledge and skills for the Nuclear Medicine procedures taught in Nuclear Medicine IIA & IIB.

MRTY3049 (18349) Radiation Therapy IIA

Semester I - 5 credit points

Pre-requisites Radiation Therapy (18229), Radiotherapy Physics (18230)

Co-requisites Clinical Education IIIC (MRTY3030)

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.

MRTY3050 (18350) Radiation Therapy IIB

Semester 2- 3 credit points

Pre-requisites Radiation Therapy (18229)

Co-requisites Clinical Education IIIC (MRTY3030)

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.

MRTY3051 (18351) Radiotherapy Physics IIA

Semester 1 - 2 credit points

Pre-requisites Radiotherapy Physics (18230)

This is the third of four units which cover the physical principlesof the useofionisingradiationinradiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY3052 (18352) Radiotherapy Physics **IIB**

Semester 2 - 2 credit points

Pre-requisites Radiotherapy Physics IIA (MRTY3051)

This is the last of four units which cover the physical principles of the use of ionising radiationinradiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY3053 (18353) Principles of Oncology A

Semester 1 - 2 credit points

Pre-requisites Tumour Pathology (112B6)

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, p atient care, and critical evaluation of treatment outcomes.

MRTY3054 (18354) Principles of Oncology B

Semester 2 - 2 credit points

Pre-requisites Tumour Pathology (112B6)

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.

MRTY3030 (18330) Clinical Education IIIC

Semester 1-6 credit points

Semester 2-11 credit points

Pre-requisite Clinical Education IIC (18232)

Co-requisite Radiation Therapy IIA (MRTY3049)

This unit provides the student with a structured program of clinical experience to apply the knowledge and skills obtained in Radiation Therapy IIA & IIB.

MRTY3034 (18334) Radiation Therapy Project
Semester 1 -1 credit point
Semester 2 -1 credit point
Pre-requisites Radiation Therapy (18229), Clinical Education IIC (18232)
Co-requisite Behavioural Science IIIA (BEHS3073)
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.

Honours Program

Selection Criteria

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.

General information related to the Honours Program is presented in Chapter 3. For information specific to the Medical Radiation Technology Program, students are advised to contact the Secretary for the School of Medical Radiation Technology.

Students in the Honours Program complete all Year 3 units in the Pass Program. In addition, students in the Honours Program complete the following:

Year 3

MRTY3055 (18355) Research in Medical Radiations IA
Semester 1 -1 credit point
This unit assists the student to identify the research possibilities in the professional area of medical radiation technology. Students will develop the ability to critically analyse journal articles as well as compile a literature review and research proposal.

MRTY3056 (18356) Research in Medical Radiations IB
Semester 2 - 2 credit points
This unit assists the student to identify the research possibilities in the professional area of medical radiation technology. Students will develop the ability to critically analyse journal articles as well as compile a literature review and research proposal.

Year 4

BEHS4032 (10475) Research Methods and Statistics
Semester 1 - 3 credit points
This unit is designed to provide students with an understanding of basic research and statistical methods and practical applications relevant to clinical practice. The focus is on statistical reasoning and extracting meaning from data. Extensive use is made of modern computer software to achieve this. The broad areas discussed are: methods for data exploration and description, strategies for data collection, statistical inference and estimation. Statistical description methods comprise numerical and graphical methods for one and two variable models including control charts and regression models. Rationales for sampling, observational and experimental designs for data production are discussed. Inferential methods including estimating with confidence and tests of significance are introduced for one and two samples.

MRTY4017(18426) Honours Workshop A
Semester 1 - 2 credit points
This workshop is designed to assist Honours students with the development of their individual research projects. Students are encouraged to develop an understanding of the nature of the knowledge and methodology they are using in their research through discussion of articles.

MRTY4018(18427) Honours Workshop B
Semester 2 - 2 credit points
This workshop continues the development of individual Honours Theses through an emphasis on written presentation skills.

MRTY4006 (18413) Honours Thesis
Semester 2 - 37 credit points
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

MRTY4011 (18419) Research in Medical Radiations II
Semester 2 -1 credit point
Computer skills will be developed in a practical manner for statistics, spreadsheet and data presentation packages. Individual consultation willbeprovidedforproblems related to the statistics of students' research projects. Document creation/display and word processing skills will also be developed.

Elective

Semester 1 or 2 - 3 credit points
Students select one of the following units (subject to sufficient student numbers) in consultation with their supervisors:

COMH4025 (084A5) Epidemiological Research
In this unit students willbe 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 hypothesis.

COMH4026 (084A6) Evaluation Research
In this unit students willbe exposed to aspects of conducting evaluation research, an area that focuses on the application of multi-disciplinary research methods to health sciences in a decision-making context.

COMH4027 (084A7) History and Philosophy of Scientific Methodology

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

BEHS4037 (10489) Intermediate Statistics

Pre-requisite Research Methods I and II, or equivalent

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

BEHS4038 (10490) Multivariate Statistics

Pre-requisite 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.

BEHS4039 (10491) Qualitative Research Methods

This unit exposes students to the major philosophical foundations and strategies of research in the social sciences.

BEHS4040 (10492) Survey Research Methods

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.

Clinical Education Program (Degree)

The three weeks of Clinical Education in year 1 provide a general introduction to the principles of patient care and to the role of the medical radiation technologist. 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 5 June, 1998. St John Ambulance courses on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

In years 2 and 3, students will be separated into their respective specialities for Clinical Education.

Diagnostic Radiography

Clinical Education in year 2 (14 weeks) and year 3 (11 weeks) provide 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 clinical procedures in Clinical Education IIA and HIA is closely synchronised with the acquisition of the related theory in the professional technique units. 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.

By the end of year 2 students will be able to perform simple routine skeletal examinations.

By the end of year 3 students will gain the clinical skills necessary to competently perform the procedures that require a contrast medium to be utilised to enhance, or outline, the anatomy being examined. Students will be required to demonstrate their clinical competency in specific contrast procedures and allskeletal examinations. Students will develop the critical thinking and clinical skills that are necessary when imaging trauma patients, paediatric patients and aged patients with debilitating disease processes and will also have observed and assisted with, but will not be required to demonstrate clinical competence in, the areas of Angiography, Computed Tomography (CT) or Magnetic Resonance Imaging (MRI).

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.

Throughout years 2 and 3 the student's clinical competence will be progressively assessed by a University supervisor and an authorised clinical associate from the respective clinical centre. By the end of year 3 students must demonstrate the clinical competence required to perform as a beginning practitioner in diagnostic radiography requiring minimal supervision.

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, reconstiturion 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

The thirteen and eleven weeks of Clinical Educationin years 2 and 3 respectively 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 Clinical Education IIC and IIIC is closely synchronised with the acquisition of the related theory in Radiation Therapy I and II respectively. Students will be placed in a variety of radiation oncology departments to give themabreadthof experienceof 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 Departments. By the end of the third year students must demonstrate the clinical competence required to perform as a radiation therapist with minimum supervision.

Bachelor of Applied Science (Medical Radiation Technology) Conversion Course

This course is designed specifically for holders of the Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or an equivalent Diploma from other recognised institutions. Other applicants may be considered if they satisfy the Head of School that they possess some form of qualification and experience which is of sufficient merit to warrant their admission to the course, with or without additional work. The course is offered in the Diagnostic Radiography, Nuclear Medicine Technology, and Radiation Therapy streams.

Students will enter the stream relevant to their primary qualification. The duration of the course is one year part-time and COMPRISES A COMBINATION OF ON-CAMPUS BLOCK AND EXTERNAL STUDY MODES.

Course Outline

The course outline for the Bachelor of Applied Science (Medical Radiation Technology) Conversion Course is presented in Table 11.1.

MRTY4016 (18425) Radiation Biology and Protection

Semester 2 - 3 credit points

This unit provides an in depth study of the radiobiological effects and safe usage of ionising and non-ionising radiation common to all medical radiations.

MRTY4019 (18428) Medical Radiations Project

Semester 1-5 credit points

Semester 2 - 9 credit points

This unit provides the student with the opportunity to undertake an investigative project in a specific area of medical radiation technology.

MRTY4008 (18416) Advances in Radiography

Semester 1 - 7 credit points

This unit will introduce the student to current advances in imaging technology, such as film/screen systems, CT, MRI, MRA, DSA and angiography, digital acquisition system and ultrasound. The unit will also address the issue of the role of imaging technologies in cost effective patient management.

MRTY4009 (18417) Sectional Anatomy

Semester 1 - 7 credit points

This unit enables the student to identify normal anatomy in sectional images by creating a framework upon which an organ is identified due to its spatial relationships and appearances as displayed on diagnostic images.

MRTY4010 (18418) Sonography

Semester 1 - 7 credit points

This unit provides an introduction to the study of the clinical application and practice of diagnostic ultrasound.

1998 Clinical Education Dates

Bachelor of Applied Science (Medical Radiation Technology)

Diagnostic Radiography
Year 1
8 December - 19 December (2 weeks)
Year 2
9 February - 27 February (3 weeks)
6 April - 1 May (4 weeks)
29 June - 17 July (3 weeks)
7 September - 2 October (4 weeks)
Year 3
12 January - 6 February (4 weeks)
20 July - 4 September (7 weeks)

Nuclear Medicine
Year 1
29 June - 17 July or 20 July - 7 August (3 weeks total)
Year 2
9 February - 27 February (3 weeks)
25 February - 1 April (6 onlyTuesdays)
6 April - 1 May (4 weeks)
29 June - 24 July (4 weeks)
5 September - 2 October (5 weeks)
Year 3
5 January - 6 February (5 weeks)
27 July - 4 September (6 weeks)

Radiation Therapy
Year 1
29 June - 3 July/27 July - 31 July (1 week)
7 December - 18 December (2 weeks)
Year 2
23 February - 27 February (1 week)
2 March - 3 April (1 day/week)
6 April - 1 May (4 weeks)
29 June - 17 July (3 weeks)
7 September - 2 October (4 weeks)
Year 3
26 January - 23 February (4 weeks)
20 July - 4 September (7 weeks)

Uniforms

Uniforms, identification badges and radiation monitoring badges must be worn by all students during clinical practice placements.

Female

A white paramedical uniform or a white blouse with collar and navy blue culottes. Closed flat heeled duty shoes either white or navy in colour. A cardigan, jumper or sleeveless woollen vest either in white or navy.

Male

A white "Ben Casey" jacket and navy trousers. Closed black shoes. A cardigan, jumper or sleeveless woollen vest either in white or navy.

12 School of Occupational Therapy

The School of Occupational Therapy was a foundation school of Cumberland College of Health Sciences when it was established as the N.S.W. College of Paramedical Studies in 1973. Prior to that year the education of occupational therapists was the responsibility of the professional association. The first training program was commenced in 1941 under the auspices of the N.S.W. Branch of the Australian Physiotherapy Association. In 1947, the newly formed Australian Association of Occupational Therapists assumed responsibility for the education of occupational therapists in New South Wales and through the New South Wales Association of Occupational Therapists retained that responsibility until 1973.

One of the first undertakings of the School of Occupational Therapy 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. In 1985, the School introduced the Associate Diploma in Diversional Therapy, the first formal education program for diversional therapists in Australia. In 1995, a three year Bachelor of Applied Science (Diversional Therapy) was introduced. The name of this program will be changed to Bachelor of Applied Science (Leisure and Health) in 1997. The School has developed an articulated program of post grad uate study. This includes PhD level studies, two Master's degree courses, one by research, the other by course work and a Graduate Certificate which focuses on specialty areas of practice in Occupational Therapy.

Further information about the School's programs may be obtained from the School on 9 351 9386.

Table 12.1 Bachelor of Applied Science (Leisure and Health)*

* previously Diversional Therapy

Course Code — *Mode of Offer*

1531 — *Pass Course; Full-time, 3 years*

				Sem 1	Sem 2
Year 1					
BEHS1105	(101C2)	Introduction to Health Sociology		5	-
BEHS1106	(101C3)	Psychology I		-	5
BEHS1107	(101C4)	Sociology of Community and Family		-	3
BIOS1106	(111B5)	Biological Sciences IA		4	-
BIOS1107	(111B6)	Biological Sciences IB		-	4
OCCP1042	(15143)	Professional Practice I		3	-
OCCP1043	(15144)	Theories of Leisure and Recreation		3	-
OCCP1044	(15145)	Creative Arts in Recreation: Visual Arts		2	-
OCCP1045	(15146)	Communication Theory and Practice		2	-
OCCP1046	(15147)	Introduction to People with Disabilities		2	-
OCCP1047	(15148)	Management and Computer Skills		-	2
OCCP1048	(15149)	Creative Arts in Recreation: Expressive Arts		-	2
OCCP1049	(15150)	Leadership and Group Dynamics		-	2
OCCP1050	(15151)	Introduction to Teaching and Learning		-	3
OCCP1051	(15152)	Issues which Influence Client Care		-	3
OCCP1052	(15153)	Field Experience I		3	-
		Stage Total	*48*	*24*	*24*

Year 2

BEHS2094	(102A6)	Clients, Work and Organisations		3	-
BEHS2095	(102A7)	Psychology of Disability I		4	-
BEHS2096	(102A8)	Psychology of Disability II		-	4
BEHS2097	(102A9)	Research Methods I		-	3
BIOS2084	(112D9	Biological Sciences DA		2	-
BIOS2085	(112EO)	Biological Sciences IIB		-	2
OCCP2049	(152A6)	Professional Practice II		2	-
OCCP2050	(152A7)	Social Psychology of Leisure and Recreation		3	-
OCCP2051	(152A8)	Advanced Theory and Methods of Instruction		2	-
OCCP2052	(152A9)	Diversional Therapy and the Ageing Population		2	-
OCCP2053	(152B1)	Contemporary Issues in Health Care		-	3
OCCP2054	(152B2)	Leisure Education		-	2
OCCP2055	(152B3)	Program Design, Implementation and Evaluation		-	2
OCCP2056	(152B4)	People with Disabilities I		-	3
OCCP2057	(152B5)	Field Experience II		6	5
		Stage Total	*48*	*24*	*24*

Note

[1] Includes: 70 hours intersemester 35 hour camp

Year 3

BEHS3064	(103B5)	Research Methods II		2	-
BEHS3065	(103B6)	Sociology of the Aged and Ageing		-	3
BEHS3066	(103B7)	Psychology II		-	4
BIOS3042	(11397)	Biological Sciences IIIA		2	-
BIOS3043	(11398)	Biological Sciences IIIB		-	2
OCCP3035	(15384)	Counselling Skills		2	-
OCCP3036	(15385)	Recreation for Specific Groups		-	2
OCCP3037	(15386)	Leisure throughout the Life Cycle		-	2
OCCP3038	(15387)	Integrative Paper		-	2
OCCP3039	(15388)	People with Disabilities II		-	2
OCCP3040	(15389)	Field Experience III		18	7
		Stage Total	*48*	*24*	*24*

Table 12.1.1 Bachelor of Applied Science (Leisure and Health)* Honours

* previously Diversional Therapy

Course Code *Mode of Offer*

1533 *Full-time, 4 years, Honours*

Years 1 and 2 as per Pass Program (Table 12.1)

				Sem 1	**Sem 2**
Year 3					
BEHS3065	(103B6)	Sociology of the Aged and Ageing		-	3
BEHS3066	(103B7)	Psychology II		-	4
BEHS3069	(103C2)	Research Methods and Statistics		-	3
BIOS3042	(11397)	Biological Sciences IIIA		2	-
BIOS3043	(11398)	Biological Sciences IIIB		-	2
OCCP3035	(15384)	Counselling Skills		2	-
OCCP3036	(15385)	Recreation for Specific Groups		-	2
OCCP3037	(15386)	Leisure Throughout the Lifecycle		-	2
OCCP3039	(15388)	People with Disabilities II		-	2
OCCP3040	(15389)	Field Experience III		18	7
OCCP3029	(15378)	Honours Research Seminar I		~	3
		Research Elective*			3
		Stage Total	*53*	*22*	*31*
Year 4					
OCCP4019	(15442)	Honours Research Seminar II		2	2
OCCP4043	(154A8)	Honours Thesis		22	22
		Stage Total	*48*	*24*	*24*

Notes

* Honours students in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4.

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 co-ordinate and implement recreational and leisure activities withinhealth care and community environments. Graduates from the program - known under various titles such as program co-ordinator, diversional therapist, play leader, leisure service provider work with abroad client group with clientgs coming from a wide range of ages and ethnic and cultural backgrounds. They work with clients in a range of facilities which include nursing homes and hostels, daycare centres, hospitals (eg, in rehabilitation, psychiatric, and paediatric units), hospices and palliative care units, community centres, gaols and remand centres, and residential group homes.

Thirteen weeks of Field Experience is spread over the three years of the program. Field Experience 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, youngpeople with disabilities, program co-ordination in a government department, and working with people with a mental illness. At least one placement must be in an aged care facility.

Admission Requirements

There are no specific pre-requisites 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 3/4 unit Science at HSC level.

Course Outline

The course outline for the Bachelor of Applied Science (Leisure and Health) is presented in Table 12.1 and 12.1.1.

Unit Descriptions

Year 1

BEHS1105 (101C2) Introduction to Health Sociology
Semester 1 - 5 credit points
Sociological perspectives and concepts are introduced as a basis for further analysis. Theories from various paradigms are applied to aspects of contemporary Australian society and its major institutions including health care. Comparative approaches are taken with other societies. Major variables of social class, gender, age and ethnicity are critically examined and related to patterns of health and illness.

BEHS1106(101C3) Psychology I
Semester 2 - 5 credit points
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.

BEHS1107 (101C4) Sociology of Community and Family
Semester 2 - 3 credit points
Pre-requisite Introduction to Health Sociology (101C2)
This unit develops an understanding of urbanisation and of 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, intensity and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill-health, disability or sudden health crises. Patterns and agencies of formal and informal support, and changing family patterns are focuses of this unit.

BIOS1106(111B5) Biological Sciences IA
Semester 1 - 4 credit points
This unit introduces cellular structure 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.

BIOS1107 (111B6) Biological Sciences IB
Semester 2- 4 credit points
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.

OCCP1042 (15143) Professional Practice I
Semester 1-3 credit points
This unit provides students with a conceptual basis for practice in the area of leisure and health including diversional therapy. Concepts which influence the development of professions are examined and the role of leisure service providers is explored. A comparative analysis of professions which provide similar services will be made. Professional values and legal and ethical issues will be introduced.

OCCP1043 (15144) Theories of Leisure and Recreation
Semester 1 - 3 credit points
This unit provides students with an introduction to leisure theory and the role of leisure and recreation in contemporary society. Students will draw on the literature and their own personal experience to identify the benefits of leisure and recreation to the individual.

OCCP1044 (15145) Creative Arts in Recreation Visual Arts
Semester 1-2 credit points
This unit will provide students with the opportunity to develop their understanding of various philosophies, disciplines and practices of visual arts in health and disability services. Students will develop practical skills and also study areas such as creativity, art therapy, adapting arts activities, community arts and working with groups.

OCCP1045 (15146) Communication Theory and Practice

Semester 1 - 2 credit points

This unit introduces students to the basic knowledge and skills necessary for accurate and effective communication in a professional context. Areas studied include: verbal and non-verbal communication; listening skills; oral presentations; academic writing skills and asserriveness training.

OCCP1046 (15147) Introduction to People with Disabilities

Semester 1-2 credit points

This unit will provide students with an understanding of the demands of the various components of recreational activities, possible deficits in clients functioning in these components and the effects of these deficits which may lead tobarriersinaclient'sparticipationinarecreational program.

Students will explore and identify the impact of a motor cognitive or affective deficit on a client's ability to particip ate in recreational activities. Students will utilise a framework for evaluation procedures which include: the client, the activity and the condition. They will develop the skills required to conduct client assessments and perform activity analysis procedures. Therefore developing the ability to innovately tailor recreational activities to individual client needs.

OCCP1047 (15148) Management and Computer Skills

Semester 2 -2 credit points

Pre-requisite Professional Practice I (OCCP1042)

This unit focuses on specific skills related to program managment and the use of computer technology relevant to leisure service provision. Students are provided with opportunities to develop specific skills in event management, documentation, volunteer management and program management. Students are introduced to the application word processing, spreadsheets, data bases and the use of computers for people with disabilities.

OCCP1048 (15149) Creative Arts in Recreation: Expressive Arts

Semester 2-2 credit points

This unit provides students with the opportunity to develop a theoretical and practical understanding of the way in which the expressive arts are used in health and disability services. The areas covered include : reminiscing, drama, sensory activities, storytelling and music. Students also develop skills in thinking creatively and voice production.

OCCP1049 (15150) Leadership and Group Dynamics

Semester 2 - 2 credit points

Pre-requisite Communication Theory and Practice (OCCP1045)

This unit covers the basic concepts relating to the nature and function of groups. Students are given the opportunity to develop leadership skills necessary for them to work effectively with clients and with other health professionals. Attention is given to negotiation and conflict resolution strategies.

OCCP1050 (15151) Introduction to Teaching and Learning

Semester 2- 3 credit points

In this unit students are introduced to key learning theories: behaviourist theory; interactionist theory; developmental-interactionist theory; and cognitive theory. Special consideration is given to the way each of these theories contributes to our understanding of how professionals can address the learning needs of their clients.

OCCP1051 (15152) Issues which Influence Client Care

Semester 2 - 3 credit points

The aim of this unit is to introduce students to a range of issues which influence caregiving within the context of leisure provision, including diversional therapy. Students will develop specific strategies to help overcome barriers to participation in recreational activities. The following topics are amongthose explored in this unit:barrierstoparticipation in recreational activities, physical environments and space, segregation versus integration, health status of clients, sex/ gender, ability, culture, race and ethnicity, control in the environment, loss and grief, leisure values, choice, risk taking and environmental issues.

OCCP1052 (15153) Field Experience I

Semester 1-3 credit points

This unit will provide students, in workshop sessions, with an opportunity to understand their roles and responsibilities during field experience. The one week field experience placement will enable the student to explore the function of the placement centre and observe professional practice within that setting.

Year2

BEHS2094 (102A6) Clients, Work and Organisations

Semester 1 - 3 credit points

Prerequisite Introduction to Sociology (101C2)

Sociological frameworks are applied to client/practitioner relationships, particularly in organisational settings. Problems and dilemmas of professional practice, employment and work are examined. Reactive processes and self, especially in long-stay and institutional contexts are analysed using relevant sociological perspectives.

BEHS2095 (102A7) Psychology of Disability I

Semester 1 - 4 credit points

This subject consists of 2 units. The first unit introduces students to definitions and classifications of disabilities, community attributes towards disability, causes of negative attitudes and strategies for changing these, adjustment to disability and issues related to living with a disabUity. Particular emphasis is given to physical disabilities. The second unit 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.

BEHS2096 (102A8) Psychology of Disability II

Semester 2 - 4 credit points

This subject consists of two units. The first unit focuses on developmental disabilities. Topic will include causes and characteristics of developmental disabilities, institutionalisation and normalisation, development through the life span, effects on families, and community attitudes. The second unit covers principles of cognitive function and information processing related to neurological disorders and cognitive rehabilitation.

BEHS2097(102A9) Research Methods I

Semester 2- 3 credit points

This unit 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.

BIOS2084(112D9) Biological Sciences IIA

Semester 1 - 2 credit points

This subject will consist of two units. The learning in these units will build on the information gained in the first year units, and give the students an understanding of the pathophysiology of disease and an overview of drugs and medicines.

Unit 1 - Basic Pathophysiology

This unit will introduce the students to disturbances in the homeostatic processes in the body systems that present as acute and chronic disease.

Unit 2 - Introduction to drugs and Pharmacology

This unit will be an introduction to basic pharmacological principles and the actions of the major drug groups.

BIOS2085 (112EO) Biological Sciences IIB

Semester 2-2 credit points

This course will consist of two units. The learning in these units will build on the information gained in the first year units, and give the students an understanding of the process of growth and development, and microbiology.

Unit 1 - Microbiology

This unit will introduce the student to the range of infectious organisms, theprinciples of cross infection and the operation of the immune system.

Unit 2 - Growth and Development

This unit will provide the student with an overview of the process of growth and development from fertilisation to old age and the common disease processes in each of these phases.

OCCP2049(152A6) Professional Practice II

Semester 1 - 2 credit points

Pre-requisite Professional Practice I (15143)

This unit provides students with an overview of the function and structure of the health care system in New South Wales. Topics studied include: health care issues at federal, state and local levels; structure and roles of key service groups; funding arrangements; alternative health care providers; social differentials; the roles of various health care professionals and their relationship to leisure service provision, including diversional therapy.

OCCP2050 (152A7) Social Psychology of Leisure and Recreation

Semester 1 -3 credit points

The constructs of leisure and recreation in society and the inter-relationship between leisure roles, leisure identity and quality of life form the basis of study in this unit. Content areas include: historical developments; motivation for leisure; theoretical models; leisure socialisation; leisure behaviour; and the contribution of leisure and recreation to a person's quality of life. Finally, literature related to leisure and recreation in institutional and community settings is examined.

OCCP2051 (152A8) Advanced Theory and Methods of Instruction

Semester 1 - 2 credit points

Pre-requisite Introduction to Teaching and Learning (15151)

This unit provides students with further knowledge of the teaching/learning process and enables them to practice specific teaching skills in a simulated instructional context. Included are: task and activity analysis; organising teaching sequences and developing learning strategies; experiential approaches to learning; and, an introduction to a range of instructional technologies.

OCCP2052 (152A9) Diversional Therapy and the Ageing Population

Semester 1 - 2 credit points

This unit will provide students with specific strategies and knowledge to overcome barriers to participation in recreational activities experiencedby clients who are ageing. Students will develop an understanding of the aged population and issues effecting this population. Students will be expected to identify and explore theoretical perspectives of caregiving appropriate for people who experience the effects of ageing and to identify and evaluate specialist services which provide information, support and resources for people who are aged.

OCCP2053 (152B1) Contemporary Issues in Health Care

Semester 2 - 3 credit points

Pre-requisite Professional Practice II (OCCP2049)

This unit will provide students with an understanding of current issues and concepts which may directly or indirectly influence the delivery of recreation services within the health care system. Students will explore relevant government acts, outcome standards, and principles which influence the individual and the recreation program

OCCP2054(152B2) Leisure Education

Semester 2-2 credit points

This unit introduces students to models of leisure education and leisure counselling. Students will have an opportunity to explore a number of diagnostic tools available to assess clients' leisure needs and choices and to design appropriate recreational programs to meet these needs.

OCCP2055 (152B3) Program Design, Implementation and Evaluation

Semester 2 - 2 credit points

Pre-requisite Advanced Theory and Methods of Instruction (OCCP2051)

In this unit students continue to develop skills necessary for the facilitation of client involvement in leisure and recreation programs. Emphasis is placed on issues related to the design of programs, 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.

OCCP2056 (152B4) People with Disabilities I

Semester 2- 3 credit points

Pre-requisite Introduction to People with Disabilities (15147)

This unit will provide students with the opportunity to continue to develop the expertise related to specific strategies to overcome barriers to participation in recreational activity programs for people who experience the effects of dementia and neurological based deficits. Students will be expected to demonstrate an understanding of the medical and social condition affecting clients with dementia and neurological based deficits. Students will be expected to demonstrate knowledge of behavioural management strategies to be used with clients who experience dementia of neurological based deficits.

OCCP2057(152B5) Field Experience II

Semester 1 - 6 credit points

Semester 2-5 credit points

This unit includes three components - classwork, a three week placement during the intersemester break and a weekend camp. In the supervised placements, students will begin to apply and practice the skills acquired in the academic program. Students will also be encouraged to develop and implement leisure and recreation programs, evaluate programs and administrative procedures, and link academic study to professional practice.

Year 3

BEHS3064 (103B5) Research Methods II

Semester 1-2 credit points

Pre-requisite Research Methods I (102A9)

This unitwill consist of two components. Thefirst 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 exercisebased on their fieldwork experience. Students will prepare a report on the research exercise.

BEHS3065 (103B6) Sociology of the Aged and Ageing

Semester 2- 3 credit points

Pre-requisite Introduction to Sociology (101C2)

This unit 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.

BEHS3066 (103B7) Psychology II

Semester 2- 4 credit points

This subject 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 includebehaviour in groups, attitudes and stereotyping, social interaction, conformity and leadership.

BIOS3042 (11397) Biological Sciences III A

Semester 1 - 2 credit points

This unitwill allow students to undertake study in two topic areas covering contemporary issues in health and human biology. The students will select two modules from a selection offered by the department. These may vary somewhat from year to year, but are likely to include the following:

Nutrition
Medical aspects of disability
Sexuality
Reproductive health
Healthy lifestyles

This course will provide students with the confidence to dealwithbiologicalbasedinforrnationinascientificnianner. They will also develop the skills of scientific writing and presentation.

BIOS3043 (11398) Biological Sciences NIB

Semester 1-2 credit points

Semester 2- 2 credit points

This unit will allow students to undertake study in two topic areas covering contemporary issues in health and human biology. The students will select two modules from a selection offered by the department. These may vary somewhat from year to year, but are likely to include the following:

Long term effects of neuromuscular disability
Medical aspects of ageing
Exercise physiology and training for special groups
Cross cultural health care concerns
Health effects of polution
Sexually transmitted diseases

This course will provide students with the confidence to dealwithbiologicalbasedinformationinascientificmanner. They will also develop the skills of scientific writing and presentation.

OCCP3035 (15384) Counselling Skills

Semester 1 - 2 credit points

Co-requisites Field Experience III (OCCP3040)

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 field experience placement in this semester. They will learn to assess client's needs and tobestmeet these needs through the selection of an appropriate counselling model. The different models studied will allow students to develop flexible ways of relating to clients in a variety of contexts e.g. bereavement counselling for clients, relatives, carers, counselling clients with disabilities.

OCCP3036 (15385) Recreation for Specific Groups

Semester 2-2 credit points

This unit provides students with an understanding of the recreational needs of specific groups. Groups studied include: ethnic groups, women, people with disabilities and socially disadvantaged groups such as substance abusers, prisoners and the unemployed. Students will examine the role of government and other agencies in meeting the needs of such groups.

OCCP3037 (15386) Leisure throughout the Life Cycle

Semester 2 ■ 2 credit points

This unit provides opportunities for students to further enrich their understanding of the inter-relationships between governmentpolicyprovisions and their knowledgeof clients' leisure needs throughout the life cycle, and the linkbetween this inter-relationship and the development and provision of effective leisure and recreation programs.

OCCP3038 (15387) Integrative Paper

Semester 2 - 2 credit points

This unit allows students to study 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 discussion paper which demonstrates an indepth investigation and integration of information from a variety of sources.

OCCP3039 (15388) People with Disabilities II

Semester 2 - 2 credit points

Pre-requisite Introduction to People with Disabilities (15147)

This unit will provide students with the opportunity to continue to develop the expertise related to specific strategies to overcome barriers to participation in recreational activity programs for people who experience psychiatric disorders, developmental disabilities and terminal illness.

Students will demonstrate an understanding of the behaviour patterns of those who experience psychiatric disorders, developmental disabilities and terminal illness. Students will be expected to demonstrate a knowledge of appropriate use of behaviour modification techniques required in specific diversional therapy settings. Students will develop the ability to network the appropriate support systems available to individual clients.

OCCP3040 (15389) Field Experience III

Semester 1 - 18 credit points

Semester 2 - 7 credit points

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. Opportunities exist for rural, interstate and overseas placements. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervisors fromplacement advisors and the university supervisor. Students utilise learning contracts and have input into the assessment for this subject.

Honours Program

General policies relating to the Honours Program are presented in Chapter 3. For information specific to the Leisure and Health Honours Program students are advised to contact the Honours Course Co-ordinator.

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 11.1.1 for course outline.

Year 3

OCCP3029 (15378) Honours Research Seminar I

Semester 2 - 3 credit points

The 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.

BEHS3069 (103C2) Research Methods and Statistics

Semester 2 - 3 credit points

This unit of study is designed to provide the health science student with an understanding of basic research and statistical methods and practical applications relevant to professional practice. The focus is on statistical reasoning and extracting meaning from data. Extensive use is made of modern computer software to achieve this. The broad areas discussed are: methods for data exploration and description; strategies for data collection; statistical inference and estimation. Statistical description methods comprise numerical and graphical methods for one and two variable models including control charts and regression models. Rationales for sampling, observational and experimental designs for data production are discussed. Inferential methods including estimating with confidence and tests of significance are introduced for one and two samples using both the normal and student distributions.

Research Elective

Semester 2 - 3 credit points

This elective is an opportunity to choose a unit that best compliments the methodology anticipated to be used in the research project.

Year 4

OCCP4019 (15442) Honours Research Seminar II

Semester 1 &2-4 credit points

Semester 1 &2-4 credit points

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.

OCCP4043 (154A8) Honours Thesis

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.

Table 12.2 Bachelor of Applied Science (Occupational Therapy)

Course Code	*Mode of Offer*
1519	*Full-time, 4 years*
1520	*Honours Program; Full-time, 4 years*

					Sem 1	Sem 2
Year 1						
BEHS1094	(101A9)	Introductory Psychology			3	-
BEHS1095	(101B1)	Cognitive Functioning			-	2
BEHS1096	(101B2)	Management of Behaviour			-	2
BIOS1068	(11176)	Introductory Human Biology			4	-
BIOS1069	(11177)	Musculoskeletal Anatomy			2	3
BIOS1070	(11178)	Introductory Neurobiology			3	-
BIOS1071	(11179)	Neurobiology I			-	2
OCCP1035	(15136)	Human Occupations LA			3	-
OCCP1036	(15137)	Human Occupations IB			-	3
OCCP1037	(15138)	Components of Occupational Performance IA			4	-
OCCP1038	(15139)	Components of Occupational Performance IB			-	4
OCCP1039	(15140)	Occupational Therapy Theory and Process I			2	2
OCCP1040	(15141)	Occupational Role Development I			2	2
OCCP1041	(15142)	Fieldwork Education I			-	6
			Stage Total	*49*	*23*	*26*
Year 2						
BEHS2082	(10293)	Introduction to Health Sociology			3	-
BEHS2083	(10294)	Sociology of Health I			-	4
BEHS2084	(10295)	Research Methods I: Design			3	-
BEHS2085	(10296)	Research Methods II: Data Analysis			-	3
BIOS2056	(112A7)	Neurobiology II			4	-
BIOS2057	(112A8)	Body Systems I			-	2
EXSS2009	(22209)	Biomechanics for Occupational Therapy			-	2
OCCP2041	(15297)	Human Occupations DA			2	-
OCCP2042	(15298)	Human Occupations IIB			-	3
OCCP2043	(15299)	Components of Occupational Performance IIA			3	-
OCCP2044	(152A1)	Components of Occupational Performance IIB			-	3
OCCP2045	(152A2)	Occupational Therapy Theory and Process IIA			2	-
OCCP2046	(152A3)	Occupational Therapy Theory and Process IIB			-	2
OCCP2047	(152A4)	Occupational Role Development II			2	2
OCCP2048	(152A5)	Fieldwork Education II			5	3
			Stage Total	*48*	*24*	*24*

Year 3

BEHS3054	(103A3)	Sociology of Health II		-	3
BEHS3055	(103A4)	Health Psychology		-	3
BIOS3027	(11382)	Body Systems II		-	5
OCCP3030	(15379)	Human Occupations III		-	2
OCCP3031	(15380)	Components of Occupational Performance III		-	4
OCCP3032	(15381)	Occupational Therapy Theory and Process III		-	3
OCCP3041	(15390)	Fieldwork Education IIIA		14	-
OCCP3042	(15391)	Fieldwork Education IIIB		10	4
		Stage Total	*48*	*24*	*24*

Year 4

BEHS4026	(10465)	Psychology of Adulthood and Ageing		2	-
BEHS4027	(10466)	Social Psychology		2	-
BEHS4028	(10467)	Sociology Elective		2	-
EXSS4001	(22401)	Applied Physiology		4	-
OCCP4026	(15460)	Human Occupations IV		4	-
OCCP4027	(15461)	Components of Occupational Performance IV		4	-
OCCP4041	(154A6)	Occupational Therapy Theory and Process IVA		1	2
OCCP4042	(154A7)	Occupational Therapy Theory and Process IVB		2	-
OCCP4029	(15463)	Evaluation of Occupational Therapy Programs		1	2
OCCP4030	(15464)	Fieldwork Education IV		2	20
		Stage Total	*48*	*24*	*24*

Table 12.2.1 Bachelor of Applied Science (Occupational Therapy) Honours

Course Code *Mode of Offer*

1520 *Full time, 4 years, Honours Course*
Years 1 and 2 as per Pass Program (Table 12.2)

				Sem 1	Sem 2
Year 3					
BEHS3054	(103A3)	Sociology of Health II		-	3
BEHS3055	(103A4)	Health Psychology		-	3
BIOS3027	(11382)	Body Systems II		-	5
OCCP3030	(15379)	Human Occupations III		-	2
OCCP3031	(15380)	Components of Occupational Performance III		-	4
OCCP3032	(15381)	Occupational Therapy Theory and Process III		-	3
OCCP3041	(15390)	Fieldwork Education IIIA		.14	-
OCCP3042	(15391)	Fieldwork Education IIIB		10	4
		Research Elective[1]		-	3
OCCP3029	(15378)	Honours Research Seminar I		-	3
		Stage Total	*54*	*24*	*30*
Year 4					
BEHS4026	(10465)	Psychology of Adulthood and Ageing		2	-
BEHS4027	(10466)	Social Psychology		2	-
BEHS4028	(10467)	Sociology Elective		2	-
EXSS4001	(22401)	Applied Physiology		4	-
OCCP4019	(15442)	Honours Research Seminar II		2	2
OCCP4040	(154A5)	Human Occupations IV (Hons)		2	-
OCCP4023	(15445)	Honours Thesis		10	12
OCCP4044	(154A9)	Fieldwork Education IV		6	16
		Stage Total	*60*	*30*	*30*

Notes

[1] Honours students, in consultation with their supervisor, elect to take one Research Elective only in either year 3 or year 4.

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). The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking 2 unit Chemistry, or 3/4 unit Science at HSC level.

Course Outline

The course outlines for the Bachelor of Applied Science (Occupational Therapy) are presented in Tables 12.2 and 12.2.1.

Unit Descriptions

Year 1

BEHS1094 (101A9) Introductory Psychology

Semester 1 - 3 credit points

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.

BEHS1095 (101B1) Cognitive Functioning

Semester 2 - 2 credit points

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.

BEHS1096(101B2) Management of Behaviour

Semester 2- 2 credit points

This unit involves the application of learning principles in occupational therapy settings to enhance therapeutic effectiveness. Techniques for increasing desired behaviours, decreasing undesired behaviours and models for understanding behaviour in therapy and rehabilitation settings are discussed. Motor skill learning is approached from an information processing perspective and the conditions of practice and feedback which promote skill learning are examined.

BIOS1068 (11176) Introductory Human Biology

Semester 1 - 4 credit points

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.

BIOS1069 (11177) Musculoskeletal Anatomy

Semester 1 - 2 credit points
Semester 2 - 3 credit points

This unit 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.

BIOS1070 (11178) Introductory Neurobiology

Semester 1-3 credit points
Co-requisite Introductory Human Biology (BIOS 1068)

This unit introduces students to the basic structure and function of the nervous system, and physiology of nerve, 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.

BIOS1071 (11179) Neurobiology I

Semester 2 - 2 credit points
Pre-requisite Introductory Neurobiology (BIOS1070)

This unit covers spinal reflex mechanisms, as well as the structure and function of the somatosensory system. There is also a discussion of the autonomic nervous system. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

OCCP1035 (15136) Human Occupations IA

Semester 1 - 3 credit points

This unit introduces students to the concept of purposeful occupation in areas of self-maintenance, productivity, leisure and rest. The biological and socio-technological evolution of human occupations is explored. Students will be given the opportunity to develop skills in methods used to assess, maintain, restore and enhance mobility skills and basic self-care tasks. Appropriate assessment and intervention strategies are presented for clients with difficulties performing personal self-care tasks.

0CCP1036 (15137) Human Occupations IB

Semester 2 - 3 credit points

This unit continues with self-maintenance occupations, addressing the areas of self-maintenance tasks within the home and the community environment. Students will explore the effects of physical, psychosocial and cognitive dysfunction on personal care, home management and community skills and examine various occupational therapy assessment and intervention strategies.

OCCP1037 (15138) Components of Occupational Performance IA

Semester 1 - 4 credit points

This unit introduces students to the components which underpin the performance of human occupations. Biomechanical, psychosocial, cognitive and sensorimotor components are defined and their relationship to human performance of occupations explored. Principles of psychosocial 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.

OCCP1038 (15139) Components of Occupational Performance IB

Semester 2 - 4 credit points

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.

OCCP1039 (15140) Occupational Therapy Theory and Process I

Semester 1-2 credit points

Semester 2 - 2 credit points

This unit examines the theoretical, philosophical and historical foundations underlying current occupational therapy practice. The student is introduced to a self directed problem solving process which can be applied to occupational therapy practice and which will form the basis for learning in other parts of the curriculum.

OCCP1040 (15141) Occupational Role Development I

Semester 1 - 2 credit points

Semester 2 - 2 credit points

This unit introduces the student to occupational role development across the lifespan. It focuses specifically on development of occupational roles in infancy, childhood and adolescence within a sociocultural context. Role transitions and areas of occupational role performance will be described. Adaptivebehaviours necessary for competent role performance will be presented. Development of performance components required for self-maintenance school/productivity, play/leisure, sleep and rest occupations during these stages in the lifespan will be examined from various theoretical perspectives.

OCCP1041 (15142) Fieldwork Education I

Semester 2 - 6 credit points

This unit provides students with the opportunity to interact with clients, and to promote their awareness of the range and scope of occupational therapy services, and the role of the health care team. It has five hours of lectures and tutorials in semester one and two, one hour debriefing sessions in semester two. Students attend a two week block placement in a professional setting in the intersemester break.

Year2

BEHS2082 (10293) Introduction to Health Sociology

Semester 1 - 3 credit points

Sociological perspectives and concepts are introduced as a basis for further analysis. Theories from various paradigms are applied to aspects of contemporary Australian society andits major institutions includinghealth care. Comparative approaches are taken with other societies. Major variables of social class, gender, age and ethnicity are critically examined and related to patterns of health and illness.

BEHS2083 (10294) Sociology of Health I

Semester 2 - 4 credit points

This unit examines sociological perspectives relating to work, organisations and clients. It integrates organisational dimensions and problems of therapy, aspects of work and non-work and sociological approaches to practitioner-client relationships.

BEHS2084 (10295) Research Methods I: Design

Semester 1-3 credit points

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, the development of research questions and the specification of hypotheses and variable, conceptualization and operationalization, sampling issues, validity and reliability. • A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology.

BEHS2085 (10296) Research Methods II: Data Analysis

Semester 2 - 3 credit points

This unit builds on Research methods I: Design and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from occupational therapy practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BIOS2056 (112A7) Neurobiology II

Semester 1 - 4 credit points

Pre-requisite Neurobiology I (11179)

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 physiologicalbasis of neurologicalproblems 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.

BIOS2057(112A8) Body Systems I

Semester 2 - 2 credit points

The anatomy and physiology of the cardiovascular systems are covered. As an introduction to the cardiovascular system, the properties of blood and the mechanics of fluids are reviewed. This unit includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is a unit requirement.

EXSS2009 (22209) Biomechanics for Occupational Therapy

Semester 2 - 2 credit points

Concepts of biomechanics will be applied to situations which have specific implications for occupational therapy intervention in activities of daily living and the workplace. Included in these applications are the use of electromyography, lifting techniques, workplace and hand tool design and upper limb biomechanics.

OCCP2041 (15297) Human Occupations IIA

Semester 1 - 2 credit points

The unit will focus on occupations as therapy. The therapeutic use of activities will; be addressed as part of overall intervention strategies. Students will be given the opportunity to analyse activities in detail, identifying the therapeutic potential inherent in activities; how they maybe adapted for different populations and used as a form of therapeutic intervention.

OCCP2042 (15298) Human Occupations IIB

Semester 2 - 3 credit points

The focus of this unit is on play and school occupations in infancy and school age children. Students will be given an 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.

OCCP2043 (15299) Components of Occupational Performance IIA

Semester 1 - 3 credit points

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.

OCCP2044 (152A1) Components of Occupational Performance IIB

Semester 2- 3 credit points

This unit focuses on two component areas of occupational performance. First, principles of psychosocial practice which underpin occupational therapy assessment and intervention in groupwork practice will be established. Second, cognitive 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 cognitive performance are established in order to restore, maintain and enhance human occupational performance.

OCCP2045 (152A2) Occupational Therapy Theory and Process IIA

Semester 1-2 credit points

This unit expands students' understanding of occupational therapy theory and process introduced in Occupational Therapy Theory and Process I, as it relates to practice. Students will examine occupational therapy literature and identify the philosophical assumptions, relevant scientific and educational theories and the range of practice models and frameworks available.

OCCP2046 (152A3) Occupational Therapy Theory and Process IIB

Semester 2 - 2 credit points

This unit explores issues concerning assessment of individual and group performance in occupational therapy. The topic areas covered will be standardised and non-standardised tools and their features, needs analysis, outcome measures and quality assurance. Aspects of professional practice relating to selection, location, ethical application, administration, scoring and interpretation of instruments will also be covered.

OCCP2047 (152A4) Occupational Role Development II

Semester 1 - 2 credit points

Semester 2 - 2 credit points

This unit examines occupational role development across the lifespan. It focuses specifically on development of occupational roles in adulthood and in the elderly within a sociocultural context. Role transitions and areas of occupational role performance will be described. Adaptive behaviours necessary for competent role performance will be presented. Development of performance components required for self-maintenance, productivity, leisure, rest and sleep occupations during this stage will be examined from various theoretical perspectives.

OCCP2048 (152A5) Fieldwork Education II

Semester 1-5 credit points

Semester 2- 3 credit points

This unit provides students with the opportunity to apply specific skills learned in the School of Occupational Therapy to occupational therapy practice for clients, guided by the fieldwork supervisor. It has two hours each for briefing and debriefing to facilitate students' three week block placement (occuring during the intersemester break) in a professional setting. Total number of fieldwork hours is 117 hours.

Year 3

BEHS3054 (103A3) Sociology of Health II
Semester 2 - 3 credit points
This unitfocuses on sociological aspects of healthpolicy and service delivery. Health care policies will be examined from a number of sociological perspectives and applied to service delivery in a variety of health care settings. State, national and international policies and perspectives on health care including health and healing across cultures will be considered.

BEHS3055 (103A4) Health Psychology
Semester 2 - 3 credit points
Students will select three of the following four units: Abnormal Psychology examines theories, classifications and treatment of abnormal behaviour. Psychology of Physical Disability explores community attitudes toward disability and the experiences of living with disability. Life Stress examines usage of the term "stress" and models of stress that underlie such usage. Psychophysiological aspects of the stress response are discussed, and the relationships of stress to various illnesses and disorders is considered. Effects of experience and environmental factors on stress are discussed in the context of both minor and major events. Coping strategies are described, and evidence relating these to functioning and well being is evaluated. Pain Perception examines the relationship between extent of injury and amount of pain; acute and chronic pain; gate control theory; measurement of pain; operant pain; effects of behavioural pain treatment programs; personality; activity-level and chronic pain; cancer; rheumatic and RSI pain.

BIOS3027 (11382) Body Systems II
Semester 2 - 5 credit points
This unit presents the anatomy and physiology of the respiratory,renal,digestiveandreproductivesystems. This will include consideration of the physics of respiration and the chemistry of acid-base balance. In addition, there is alos an introduction to endocrinology, microbiology, immunology and pharmacology.

OCCP3030 (15379) Human Occupations III
Semester 2 - 2 credit points
Leisure as an area of occupational performance is examined in this unit. The focus is on individual use and development of satisfying leisure time. Students will be given the opportunity to explore the importance of leisure occupations through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP3031 (15380) Components of Occupational Performance III
Semester 2 - 4 credit points
This unit focuses on two component areas of occupational performance. First, the psychosocial performance component is examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of psychosocial performance are established in order to restore, maintain and enhance human occupational performance. Second cognitive component performance is examined in order to identify and intervene when human performance deficits exist in this area to further restore, maintain and enhance human occupational performance.

OCCP3032 (15381) Occupational Therapy Theory and Process III
Semester 2- 3 credit points
This unit aims to link occupational therapy theory to specific practice issues through the application of clinical reasoning and decision making processes. Clinical judgements made in consequence of the clinical reasoning process will be explored from documentation, legal, ethical and quality assurance perspectives.

OCCP3041 (15390) Fieldwork Education IIIA
Semester 1 -14 credit points
This unit has a one hour briefing session to facilitate students' seven week block placement in a professional setting. It provides them with the opportunity to apply theory and skills learned in the School of Occupational Therapy to the whole process of occupational therapy practice - assessing, planning, implementing, evaluating, reporting, recording and modifying intervention - for clients, while under supervision of the fieldwork supervisor.

OCCP3042 (15391) Fieldwork Education IIIB
Semester 1-10 credit points
Semester 2- 4 credit points
This unit has a one hour debriefing session after students' seven week block placement in a professional setting of a different nature to that in Fieldwork Education HIA (15390). It provides them with the opportunity to apply theory and skills learned in the School of Occupational Therapy to the whole process of occupational therapy practice - assessing, planning, implementing, evaluating, reporting, recording and modifying intervention - for clients, while under supervision of the fieldwork supervisor.

Year 4

BEHS4026 (10465) Psychology of Adulthood and Ageing
Semester 1 - 2 credit points
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.

BEHS4027 (10466) Social Psychology
Semester 1-2 credit points
Social Psychology studies behaviour in everyday situations. Unit contentwill include theoretical andappliedperspectives on topics such as social perception, altruism, interpersonal relations, attitudes and behaviour, non verbal communication, aggression, violence, conformity and obedience.

BEHS4028 (10467) Sociology Elective
Semester 1 - 2 credit points
Students will be required to choose one sociology elective. Electives may include: sociology of ageing, Australia's Immigrant Community, Occupational Health and Rehabilitation; Death and Dying; Media and Health; and Alternative Medicine.

EXSS4001 (22401) Applied Physiology
Semester 1 - 4 credit points
This unit 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.

OCCP4026 (15460) Human Occupations IV
Semester 1 - 4 credit points
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.

OCCP4027 (15461) Components of Occupational Performance IV
Semester 1-4 credit points
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.

OCCP4041 (154A6) Occupational Therapy Theory and Process IVA
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.

OCCP4042 (154A7) Occupational Therapy Theory and Process IVB
Semester 1 ■ 2 credit points
Students will have an opportunity to select one elective from a range of topic areas which may include Fieldwork Supervision, Culture, Management and Technology, and using Educational Principles in occupational therapy.

OCCP4029 (15463) Evaluation of Occupational Therapy Programs
Semester 1 -1 credit point
Semester 2- 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 identify an evaluation issue based on Fieldwork Education Unit FV, research the literature relative to the evaluation issue and prepare an evaluation proposal. The proposal is documented in a written report.

OCCP4030 (15464) Fieldwork Education IV
Semester 1 - 2 credit points
Semester 2- 20 credit points
This unit has one 10 week block placement in a professional setting. It provides students with the opportunity to consolidate and further develop under supervision of the fieldwork supervisor, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice. In addition, students will be required to use the final two weeks of the placement to gather necessary information which will beneeded for formulating a proposal for the unit Evaluation of Occupational Therapy Services.

Honours Program

General policies relating to the Honours Program are presented in Chapter 3. For information specific to the Occupational Therapy Honours Program students are advised to contact the Honours Course Co-ordinator.

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 including internal exemptions, tutorial group flexibility in year 3 and year 4 units, 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 Unit Manager.

Year 3

Research Elective
Semester 2- 3 credit points
This elective is an opportunity to choose a unit that best compliments the methodology anticipated to be used in the research project.

OCCP3029 (15378) Honours Research Seminar I
Semester 2- 3 credit points
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 full-year unit, each student will have prepared a written proposal for his/her research unit and a student grant application and ethics application.

Year 4

OCCP4019 (15442) Honours Research Seminar II
Semester 1 - 2 credit points
Semester 2 - 2 credit points
This 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.

OCCP4040 (154A5) Human Occupations IV (Hons)
Semester 1 - 2 credit points
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. Elective topics at an advanced level of study in the area of human occupations will also be offered.

OCCP4023 (15445) Honours Thesis
Semester 1-10 credit points
Semester 2 -12 credit points
This unit 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, 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.

OCCP4044 (154A9) Fieldwork Education IV
Semester 1-6 credit points
Semester 2 -16 credit points
This unit has one 10 week block placement in a professional setting. It provides students with the opportunity to consolidate and further develop under supervision of the fieldwork supervisor, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice. In addition, students will be required to use the final two weeks of the placement to gather necessary information which willbe needed for formulating a proposal for the unit Evaluation of Occupational Therapy Services.

Fieldwork

Fieldwork education 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.

Occupational Therapy Fieldwork Education
Fieldwork Education I-Preparatory lectures, tutorials and **a** two week orientation and observation block placement in the first two weeks of inter-semester recess.
Fieldwork Education II - Briefing and debriefing tutorials and a three week block placement during inter-semester recess.
Fieldwork Education III - Briefing and debriefing tutorials, and two blocks of placements of seven weeks each in the first semester.
Fieldwork IV - Fieldwork four has three parts. Briefing and debriefing tutorials, an eight week placement and a two week additional period to be used by students to collect information from the fieldwork site. This information will contribute towards development of a program evaluation proposal for the unit Evaluation of Occupational Therapy Programs.
Fieldwork Dates
Year 1: June 29 - July 10 (2 weeks);
Year 2: July 13 - July 31 (3 weeks);
Year 3: March 2 - April 17 (7 weeks) AND
May 4 - June 19 (7 weeks)
Year 4: August 10 - October 16 (10 weeks)

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. 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 withsupervisionfrom placement advisors and the university supervisor. Students utilise learning contracts and have input into the assessment for this subject.
Fieldwork Dates
Year 1: June 29 - July 3 (1 week);
Year 2: July 6 - July 24 [inclusive] (3 weeks);
Year 3: March 23 - May 29 [inclusive];

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 fieldworkplacements byboth occupational therapy andleisureandhealthstudents. These badges can be obtained from the Student Guild.

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

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

13 School of Orthoptics

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.

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 visionproblems 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.

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.

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 the Head of the School of Orthoptics, Mrs Neryla Jolly (Ph: 02 9 351 9250, Fax: 02 9 351 9359).

Table 13.1 Bachelor of Applied Science (Orthoptics)

Course Code	*Mode of Offer*
1410	*Pass Course; Full-time, 4 years*
1411	*Honours Program; Full-time, 4 years*

Pass Program

				Sem 1	Sem 2
Year 1					
BEHS1114	(101D2)	Introduction to Health Sociology		4	-
BEHS1115	(101D3)	Introduction to Psychology		-	4
BIOS1068	(11176)	Introductory Human Biology		4	-
BIOS1070	(11178)	Introductory Neurobiology		3	-
BIOS1071	(11179)	Neurobiology I		-	2
BIOS1072	(11180)	Optics I		2	-
BIOS1073	(11181)	Body Systems I		-	4
BIOS1074	(11182)	Optics II		-	3
ORTH1031	(14131)	Clinical Instrumentation IA		5	-
ORTH1032	(14132)	Clinical Instrumentation IB		-	6
ORTH1026	(14126)	Visual Processes		3	-
ORTH1027	(14127)	Binocular Vision		-	2
ORTH1028	(14128)	Disorders of the Visual System IA		3	-
ORTH1029	(14129)	Disorders of the Visual System IB		-	3
			Stage Total	*48*	*24*	*24*

Year 2

BEHS2105	(102B7)	Behavioural Science IIA		3	-
BEHS2106	(102B8)	Behavioural Science IIB		-	3
BEHS2087	(10298)	Research Methods and Statistics		-	3
BEHS2088	(10299)	Research Methods and Designs		3	-
BIOS2060	(112B1)	Introductory Pathology		2	-
BIOS2061	(112B2)	Ocular Biology		3	-
BIOS2063	(112B4)	Visual Neurobiology		-	5
ORTH2043	(14245)	Concomitant Strabismus B		-	4
ORTH2040	(14242)	Clinical Studies IIA		4	-
ORTH2041	(14243)	Clinical Studies IIB		-	4
ORTH2050	(14252)	Instrumentation IIA		2	-
ORTH2051	(14253)	Instrumentation IIB		-	2
ORTH2047	(14249)	Concomitant Strabismus A		4	-
ORTH2048	(14250)	Disorders of the Visual System IIA		3	-
ORTH2049	(14251)	Disorders of the Visual System IIB		-	3
		Stage Total	*48*	*24*	*24*

Year3

BIOS3031	(11386)	Bio-electrical Signals and Computing		-	5
BIOS3032	(11387)	Embryology and Neuro Plasticity		-	2
ORTH3035	(14335)	Clinical Studies III		21	-
ORTH3036	(14336)	Clinical Project		3	-
ORTH3037	(14337)	Ocular Motility Disorders I		-	4
ORTH3038	(14338)	Disorders of the Visual System III		-	4
ORTH3039	(14339)	Rehabilitation Studies I		-	4
ORTH3040	(14340)	Instrumentation III		-	2
ORTH3041	(14341)	Elective Study		-	3
		Stage Total	*48*	*24*	*24*

Year 4

BIOS4029	(11466)	Visual Science		4	-
ORTH4007	(14408)	Ocular Motility Disorders II		4	-
ORTH4008	(14409)	Disorders of the Visual System IV		4	-
ORTH4009	(14410)	Rehabilitation Studies II		4	-
ORTH4010	(14411)	Professional Studies		4	-
ORTH4012	(14413)	Clinical Studies IV		-	20
BEHS4041	(10493)	Developing a Research Project		4	-
and					
ORTH4011	(14412)	Research Project		-	4
or					
ORTH4013	(14414)	Professional Elective		_	4
		Stage Total	*48*	*24*	*24*

Honours Program

Year 3

BEHS3056	(103A6)	Research Statistics		-	3
BIOS3031	(11386)	Bio-electrical Signals and Computing		-	5
BIOS3032	(11387)	Embryology and Neuro Plasticity		-	2
ORTH3035	(14335)	Clinical Studies III		21	-
ORTH3037	(14337)	Ocular Motility Disorders I		-	4
ORTH3038	(14338)	Disorders of the Visual System III		-	4
ORTH3039	(14339)	Rehabilitation Studies I		-	4
ORTH3040	(14340)	Instrumentation III		-	2
ORTH3042	(14342)	Clinical Project (Honours)		-	3
ORTH3044	(14344)	Research Proposal Part A		3	-
ORTH3045	(14345)	Research Proposal Part B		-	3
		Stage Total	*54*	*24*	*30*

Year 4

BIOS4029	(11466)	Visual Science		4	_
ORTH4007	(14408)	Ocular Motility Disorders II		4	-
ORTH4008	(14409)	Disorders of the Visual System IV		4	-
ORTH4009	(14410)	Rehabilitation Studies II		4	-
ORTH4010	(14411)	Professional Studies		4	-
ORTH4016	(14417)	Research Thesis Part A		8	-
ORTH4017	(14418)	Research Thesis Part B		-	12
ORTH4015	(14416)	Clinical Studies IV		-	20
		Stage Total	*60*	*28*	*32*

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 pre-requisites 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 13.1.

Unit Descriptions

Year 1

BEHS1114 (101D2) Introduction to Health Sociology

Semester 1 - 4 credit points

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.

BEHS1115 (101D3) Introduction to Psychology

Semester 2- 4 credit points

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.

BIOS1068 (11176) Introductory Human Biology

Semester 1 - 4 credit points

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.

BIOS1070 (11178) Introductory Neurobiology

Semester 1 - 3 credit points

Co-requisite Introductory Human Biology {BIOS1068)

This unit introduces the student to the basic structure and function of the nervous system and the physiology of nerve, 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.

BIOS1071 (11179) Neurobiology I

Semester 2 • 2 credit points

Pre-requisite Introductory Neurobiology (BIOS1072)

The unit covers spinal reflex mechanisms as well as the structure and function of the somatosensory system. There is also a discussion of the autonomic nervous system. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS1072 (11180) Optics I

Semester 1 - 2 credit points

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.

BI0S1073 (11181) Body Systems I
Semester 2 - 4 credit points
Pre-requisite or Co-requisite by permission Introductory Human Biology (BIOS1068)
This is an introduction to the structure and function of the major organs of the body including the respiratory, cardiovascular, digestive, renal and reproductive systems. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS1074 (11182) Optics II
Semester 2 - 3 credit points
Pre-requisite Optics I (BIOS1072)
This unit introduces students to the principles of visual optics, including the eye as an optical system, and ophthalmic instruments

ORTH1031 (14131) Clinical Instrumentation IA
Semester 1-5 credit points
An introduction to the attainment of professional orthoptic skills including communication and observation skills, patient assessment and information recording related to general ocular examination will be taught. Small group on campus tutorial sessions will provide the opportunity to practise clinical procedures. A component of this unit is off campus attendance at a community placement. The aim of this placement is to enhance the communication and observation skills of the student.

ORTH1032 (14132) Clinical Instrumentation IB
Semester 2 - 6 credit points
The attainment of professional skills will be further developed with the emphasis on the assessment of strabismus and eye movement disorders. An off campus clinical placement will be arranged during the semester to support the development ofprofessional conduct as well as the integration of basic theoretical concepts to clinical practice.

ORTH1026 (14126) Visual Processes
Semester 1-3 credit points
The normal eye and the assessment of its function is introduced including visual acuity, contrast sensitivity, the visual pathway, the visual field, binocular vision, spherical refractive errors, eye movements accommodation and convergence,

ORTH1027 (14127) Binocular Vision
Semester 2 - 2 credit points
The principles of binocular vision, its anatomical and physiological substrates, are introduced. Topics covered include projection, corresponding retinal points, horopter, physiological diplopia, fusion, superimposition> BSV, stereopsis and the accommodation/convergence synkinesis. Factors determining misalignment of the visual axes and its assessment and sensory sequelae are also introduced including suppression, amblyopia and ARC.

ORTH1028 (14128) Disorders of the Visual System IA
Semester 1 - 3 credit points
This unit will present a range of disorders of the eye, with emphasis on recognition of the more common disorders of the visual system, terminology used in the field of ophthalmology and thebasicprinciples of ophthalmological examination.

ORTH1029 (14129) Disorders of the Visual System IB
Semester 2 - 3 credit points
This unit covers a study of ophthalmic history taking, cataract (its causes, types, investigation and management), ocular emergencies, an introduction to visual fields.

Year 2

BEHS2105(102B7) Behavioural Science IIA
Semester 1 - 3 credit points
This unit develops themes introduced to students in 101D2 and 101D3. Topics covered are patients, work and organisations; visual perception and learning disability; and life stress.

BEHS2106 (102B8) Behavioural Science NB
Semester 2 - 3 credit points
This unit develops themes introduced to students in 101D2. Topics covered are developmental disability; behaviour therapy; and social psychology.

BEHS2087 (10298) Research Methods and Statistics
Semester 2 - 3 credit points
This unit is designed to provide the health science student with an understanding of basic research and statistical methods and practical applications relevant to clinical practice. The focus is on statistical reasoning and extracting meaning from data. Extensive use is made of modern computer software to achieve this. The broad areas discussed are: methods for data exploration and description; strategies for data collection; statistical inference and estimation. Statistical description methods comprise numerical and graphical methods for one or two variable models including control charts and regression models. Rationales for sampling, observation and experimental designs for data production are discussed, inferential methods including estimating with confidence and tests of significance are introduced for one and two samples using both the normal and student-t distribution.

BEHS2088 (10299) Research Methods and Designs
Semester 1 - 3 credit points
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, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques willbe discussed and students will be introduced to research applications in the health sciences including needs assessment, and evaluation research.

BIOS2060(112B1) Introductory Pathology
Semester 1 - 2 credit points
Pre-requisite Introductory Human Biology (BIOS1068)
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.

BIOS2061 (112B2) Ocular Biology
Semester 1 - 3 credit points
Assumed knowledge Neurobiology I (11179)
This unit covers the structure of the eye and orbit, autonomic control of the eye, intraocular fluid and pressure, transparency of ocular media and signal processing in the retina.

BIOS2063 (112B4) Visual Neurobiology
Semester 2 - 5 credit points
Assumed knowledge Neurobiology I (11179)
In this unit, the structure and function of the visual pathways are described along with the psychophysics and physiology of binocular vision. The ocular motor system is also studied.

ORTH2043 (14245) Concomitant Strabismus B
Semester 2 - 5 credit points
Pre-requisite Concomitant Strabismus A (ORTH2047)
Pre/Co-requisite Instrumentation IIA (ORTH2050).
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.

ORTH2040/ORTH2041 (14242/14243) Clinical Studies IIA/ Clinical Studies NB
Semester 1-4 credit points
Semester 2 - 4 credit points
Pre-requisite Clinical Studies I (14130)
Pre/Co-requisite Disorders of the Visual System IIA (ORTH2048) OR Disorders of the Visual System IIB (ORTH2049), Concomitant Strabismus A (ORTH2047) OR Concomitant Strabismus B (ORTH2043), Instrumentation IIA (ORTH2050)
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.

ORTH2050 (14252) Instrumentation IIA
Semester 1-2 credit points
The instrumentation and special procedures appropriate to the units Concomitant Strabismus A and Disorders of the Visual SystemllA are studied insmall group tutorial sessions. These skills include those of contact lens fitting and maintenance, slitlamp assessment, vertometry and orthoptic assessment and management of accomodative deviations.

ORTH2051 (14253) Instrumentation IIB
Semester 2 - 2 credit points
The instrumentation and special procedures appropriate to the units Concomitant Strabismus B and Disorders of the Visual SystemllB are studied insmall group tutorial sessions. These skills include those of visual field assessment, refraction and retinoscopy, ophthalmoscopy and orthoptic assessment and management of non accommodative deviations.

ORTH2047 (14249) Concomitant Strabismus A
Semester 1 - 4 credit points
Assumed knowledge Binocular Vision (14127).
Pre/Co-requisite Instrumentation IIA (ORTH2050) or Instrumentation IIB (ORTH2051)
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.

ORTH2048 (14250) Disorders of the Visual System IIA
Semester 1 - 3 credit points
Pre-requisite Disorders of the Visual System IA (14128) OR Disorders of the Visual System IB (14129)
Pre/Co-requisite Instrumentation IIA (ORTH2050) orInstrumentation IIB (ORTH2051)
This unit will introduce a range of ophthalmic topics relevant to the varied working environments of the orthoptist. Diseases of the anterior segment and inflammatory disorders of the eye will be briefly considered. The investigative procedures and medications used to care for these patients will be discussed. The role of the orthoptist in the care of the contact lens patient and patient undergoing minor surgical procedures will be examined in greater depth.

ORTH2049 (14251) Disorders of the Visual System IIB
Semester 2- 3 credit points
Pre-requisite Disorders of the Visual System IIA (ORTH204B)
Pre/Co-requisite Instrumentation IIA (ORTH2050) or Instrumentation IIB (ORTH2051)
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.

Year 3

BIOS3031 (11386) Bio-electrical Signals and Computing
Semester 2 - 5 credit points
This unit introduces bio-electricity, acquisition and processing digital signals preparatory to the study of visual electrodiagnosis. There is a substantial component devoted to the use of computers and their relevance to orthoptic practice.

BIOS3032 (11387) Embryology and Neural Plasticity
Semester 2 - 2 credit points
Assumed knowledge Visual Neurobiology (112B4)
In this unit, there is a discussion on embryology, the main emphasis being placed on the development of the central nervous system and that of the visual system. There is also a discussion on the plasticity of the visual and ocular motor systems with particular reference to how they change with experience.

ORTH3035 (14335) Clinical Studies III

Semester 1-21 credit points

Pre-requisite Clinical Studies II (14247)

Pre/Co-requisite Disorders of the Visual System IIA (14250) OR Disorders of the Visual System I IB (14251), Instrumentation II (14248), Concomitant Strabismus A (14249) OR Concomitant Strabismus B (14245), Clinical Project (ORTH3036)

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

ORTH3036 (14336) Clinical Project

Semester 1-3 credit points

Co-requisite Clinical Studies III (ORTH3035)

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

ORTH3037 (14337) Ocular Motility Disorders I

Semester 2 - 4 credit points

Pre-requisite Concomitant Strabismus A (14249) OR Concomitant Strabismus B (14245)

Co-requisite Instrumentation III (ORTH3040)

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

ORTH3038 (14338) Disorders of the Visual System III

Semester 2 - 4 credit points

Pre-requisites Disorders of the Visual System IIA (14250) or Disorders of the Visual System IIB (14251)

Pre/Co-requisite Instrumentation III (ORTH3040)

This unit reviews testing procedures for the paediatric population with emphasis on visual assessment. The role of the orthoptist in vision screening programs is also studied.

ORTH3039 (14339) Rehabilitation Studies I

Semester 2- 4 credit points

Pre/Co-requisite Disorders of the Visual System IIA (14250) OR Disorders of the Visual System IIB (14251), Ocular Motility Disorders I (ORTH3037)

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.

ORTH3040 (14340) Instrumentation III

Semester 2-2 credit points

Pre/Co-requisites Disorders of the Visual System IIA (14250) OR Disorders of the Visual System IIB (14251), Ocular Motility Disorders I (ORTH3037).

The instrumentation and special procedures appropriate to the units Ocular Motility Disorders I, Disorders of the Visual System III and Rehabilitation Studies I, are studied with the emphasis on developing skills in small groups. These skills include those of electrophysiology, fluorescein angiography, photography, colour vision, B Scans and incomitant strabismus.

ORTH3041 (14341) Elective Study

Semester 2- 3 credit points

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

Year 4

BIOS4029 (11466) Visual Science

Semester 1 - 4 credit points

This unit discusses nervous system plasticity in general and ocular motor plasticity inparticular and continues the study of neuro-opthalmology. There is also a substantial practical component on computers in orthoptic practice.

ORTH4007 (14408) Ocular Motility Disorders II

Semester 1 - 4 credit points

Disorders associated with cortical ocular motor control and neurological disorders of eye movement (supranuclear and intranuclear) arestudied, alongwith their special assessment procedures and management.

ORTH4008 (14409) Disorders of the Visual System IV

Semester 1 - 4 credit points

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.

ORTH4009 (14410) Rehabilitation Studies II

Semester 1 - 4 credit points

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

ORTH4010(14411) Professional Studies

Semester 1 - 4 credit points

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

ORTH4012 (14413) Clinical Studies IV

Semester 2- 20 credit points

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.

BEHS4041 (10493) Developing a Research Project
Semester 1 - 4 credit points
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. Basicresearch 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.

ORTH4011 (14412) Research Project
Semester 2 - 4 credit points
Students will carry out a guided research exercise relevant to orthoptic practice.

ORTH4013 (14414) Professional Elective
Semester 2 - 4 credit points
Students will carry out a guided theoretical and clinical elective study in one of the following - low vision, developmental delay, stroke rehabilitation, vision and driving, contact lenses, ocular motility, visual electrodiagnosis, practice issues.

Honours Program

General information related to the Honours Program is presented in Chapter 3. For information specific to the Orthoptics Honours Program students are advised to contact the School of Orthoptics.

Year 3

Honours students will enrol in the pass units Ocular Motility Disorders I (ORTH3037), Disorders of the Visual System in (ORTH3038), Rehabilitation Studies I (ORTH3039), Instrumentation III (ORTH3040), Bio-electrical Signals and Computing (BIOS3031), Embryology and Neural Plasticity (BIOS3032) and Clinical Studies III (ORTH3035) in addition to the following units:

BEHS3056 (103A6) Research Statistics
Semester 2 - 3 credit points
In this unit, students will extend and consolidate the research methods and statistical skills acquired in the second year research courses and will provide the foundation for the statistics which may be used in the Honours research project.

ORTH3042 (14342) Clinical Project (Honours)
Semester 2 - 3 credit points
Students will carry out a structured clinical project in the areas of visual field testing, strabismus /binocular vision and retinoscopy. This project will incorporate principles of correct sampling techniques and statistical analyses of data.

ORTH3044/ORTH3045 (14344/14345) Research Proposal Part A/Research Proposal Part B
Semester 1 - 3 credit points
Semester 2 - 3 credit points
Students will develop in detail the area of research for their thesis. The emphasis in this unit will be a critical analysis of available literature, the development of a research proposal, and the presentation of these to a critical audience.

Year4

Honours students will enrol in the p ass units Ocular Motility Disorders II (ORTH4007), Disorders of the Visual System IV (ORTH4008), Rehabilitation Studies II (ORTH4009), Professional Studies (ORTH4010), Visual Science (BIOS4029) in addition to the following units:

ORTH4016/ORTH4017 (14417/14418) Research Thesis Part A/Research Thesis Part B
Semester 1 - 8 credit points
Semester 2-12 credit points
Students will proceed to the implementation stage of the research project which will include acquisition of data, analysis of results, the preparation of a research report and the presentation of results to a critical audience. Special clinical placements may be arranged in order to meet the needs of the proj ect, where appropriate, some of these hours maybe credited to the unit Clinical Studies IV (ORTH4015).

ORTH4015 (14416) Clinical Studies IV
Semester 2 - 20 credit points
This placement provides the clinical experiences that consolidate the second semester year 3 and first semester year 4 theoretical units, as well as providing an 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.

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. St John Ambulance courses on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Any enquiry regarding the clinical education program of the School is to be directed to the School's Clinical Coordinators, Mrs Liane Wilcox on (02) 9 351 9529.

1998 Clinical Practice Dates

The clinical blocks for 1998 are scheduled as follows:
Year 1
During Semester 1 and 2
Year 2
January 21 - February 25 OR July 1 - August 5
Year 3
March 2 - June 26
Year 4
August 10 - December 5

Uniforms

Students in the orthoptics course are required to obtain uniforms to be worn at most clinical placements. A faculty name badge, available from Student Guild, is to be worn at all clinical placements.
Female
Regulation navy blue uniform or culottes, navy trousers, or skirt and white shirt
Navy cardigan or jacket
Stockings
Navy blue or black plain shoes eg court shoes.
Male
Navy pants and white shirt
Navy tie
Navy blue jacket or cardigan
Navy blue or black closed in flat heeled lace up shoes

Arrangements will be made during semester 1 for a representative of the supplier to come to the Student Guild to take uniform orders .Please leave purchase of the uniforms until this time. First year students will require uniforms for their intersemester clinical placement commencing 11 July 1997.

14 School of Physiotherapy

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, schools, private practices, community and workplace settings. The physiotherapy profession is committed to continued research into its fundamental concepts and activities and the evaluation of physiotherapy services to ensure the optimum quality of care for the community it serves. The profession is also committed to effective communication with members ofthehealthteam, the community at large and thecontinuing education of its graduates. Staff and students of the School are actively involved in a number of research projects. These range over several areas including the investigation of human motor performance, musculoskeletal physiotherapy, neurological physiotherapy, occupational health issues, clinical reasoning and cardiopulmonary physiotherapy.

As one of the foundation schools of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences) at theCollege'sinception 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.

TheSchoolhas astrongcommitmentto 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, peer and external evaluation, from external advisory committees and members of the physiotherapy profession, from national and international colleagues and from members of this and other faculties of the University.

The School of Physiotherapy currently 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.

In relation to School of Physiotherapy units, enrolment in a unit is normally dependent upon the student meeting the entry requirements for the program in which the unit is offered. For miscellaneous (or non-award) students, the School may agree to enrol an applicant in a unit offered by the School, provided that the applicant has the required prerequisite knowledge to study the unit and there is sufficient space in the class room and tutorial group to accommodate the applicant without prejudicing other students' performance. For students enrolled in a recognised tertiary program at another institution, a cross-institutional enrolment may be permitted in a School of Physiotherapy unit, providing the unit is approved by the home institution, the applicant satisfies the prerequisite units and/or can demonstrate the prerequisite knowledge to study the unit, and resources are available to support the enrolment in the unit.

Enquires regarding academic programs should be directed to the following:
Academic Program Administrator, Ayanthi Salgado (9 351 9378); the Undergraduate Programs Coordinator: Louise Ada (9 3519544); the Honours Program Coordinator: Dr Elizabeth Ellis (9 351 9470).

Table 14.1 Bachelor of Applied Science (Physiotherapy)

Course Code Mode of Offer
1622 Pass Course; Full-time, 4 years

			Sem 1	Sem 2
Year 2 (last offered in :1998)				
BEHS2077	(10288)	Social Interaction, Communication & Personality	3	-
BIOS2037	(11286)	Body Systems II	-	2
BIOS2038	(11287)	Neurobiology II	4	-
PHTY2013	(16213)	Kinesiology II	1	1
PHTY2019	(16223)	Physiotherapy in Neurology I	-	
PHTY2020	(16224)	Cardiopulmonary Physiotherapy I	3	1
PHTY2022	(16226)	Topics in Physiotherapy II	-	2
PHTY2027	(16231)	Electrophysical Agents II	4	-
PHTY2028	(16232)	Musculoskeletal Physiotherapy II	6	1
PHTY2029	(16233)	Clinical Education IA	-	8
PHTY2030	(16234)	Clinical Education IB	-	8
EXSS2008	(22208)	Biomechanics	3	-
		Stage Total	*24*	*24*
Year 3 (1998-1999)				
BEHS3050	(10398)	Social Theory and Health	4	-
BEHS3067	(103B9)	Research Methods II: Data Analysis	3	-
BIOS3019	(11374)	Body Systems III	2	-
PHTY3019	(16320)	Physiotherapy in Neurology II	4	2
PHTY3022	(16323)	Topics In Physiotherapy III	1	2
PHTY3040	(16341)	Exercise and Health	-	2
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II	2	0
PHTY3030	(16331)	Musculoskeletal Physiotherapy III	6	2
PHTY3031	(16332)	Clinical Education II	-	13
EXSS3009	(22309)	Applied Physiology	2	3
		Stage Total	*24*	*24*
Year 4 (1998 only)				
BEHS4022	(10457)	Health, Medicine and Society	2	-
BEHS4035	(10479)	Health Psychology	2	-
PHTY4016	(16444)	Physiotherapy in Neurology III	1	2
PHTY4048	(164C9)	Topics in Physiotherapy IV	-	3
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV	-	2
PHTY4056	(164F5)	Research and Investigation II	1	1
PHTY4057	(164F6)	Research and Investigation III	1	2
PHTY4058	(164F7)	Clinical Education IIIA	8	-
PHTY4059	(164F8)	Clinical Education IIIB	8	-
PHTY4060	(164F9)	Clinical Education IIIC	-	13
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III	1	1
		Stage Total	*24*	*24*
Year 4 (1999-2000)				
BEHS4035	(10479)	Health Psychology	2	-
BEHS4022	(10457)	Health, Medicine and Society	2	-
PHTY4068	(164H9)	Evidence Based Practice	1	3
PHTY4060	(164F9)	Clinical Education IIIC	-	13
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV	-	2
PHTY4058	(164C9)	Topics in Physiotherapy IV	-	3
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III	1	1
PHTY4016	(16444)	Physiotherapy in Neurology III	1	2
PHTY4079	(16410)	Clinical Education IIIA	9	-
PHTY4059	(164F8)	Clinical Education IIIB	8	-
		Stage Total	*24*	*24*

Table 14.2 Bachelor of Applied Science (Physiotherapy) - Honours

Course Code *Mode of Offer*
1642 *Honours Program; Full-time, 4 years*

Years 1 and 2 as per Pass program (Table 14.1 and 14.3)

					Sem 1	**Sem** 2
Year 3	*(199E*I - *1999)*					
BEHS3044	(10392)	Research Statistics			-	2
BEHS3050	(10398)	Social Theory and Health			4	-
BEHS3067	(103B9)	Research Methods II: Data Analysis			3	-
BIOS3019	(11374)	Body Systems III			2	-
PHTY3019	(16320)	Physiotherapy in Neurology II			4	2
PHTY3022	(16323)	Topics In Physiotherapy III			1	2
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II			2	-
PHTY3030	(16331)	Musculoskeletal Physiotherapy III			6	2
PHTY3031	(16332)	Clinical Education II			-	13
PHTY3034	(16335)	Research for Physiotherapists			3	1
PHTY3040	(16341)	Exercise and Health			-	2
EXSS3009	(22309)	Applied Physiology			2	3
			Stage Total	*54*	*27*	*27*
Year 4	*(1998 only)*					
BEHS4022	(10457)	Health, Medicine and Society			2	-
BEHS4035	(10479)	Health Psychology			2	-
PHTY4016	(16444)	Physiotherapy in Neurology III			1	2
PHTY4042	(16499)	Honours Thesis			5	7
PHTY4048	(164C9)	Topics in Physiotherapy IV			-	3
PHTY4053	(164F2)	Honours Research Seminar			2	2
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV			-	2
PHTY4060	(164F9)	Clinical Education IIIC			-	13
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III			1	1
PHTY4062	(164G1)	Clinical Education IIIHA			8	-
PHTY4063	(164G2)	Clinical Education IIIHB			9	-
			Stage Total	*60*	*30*	*30*
Year 4	*(1999-2000)*					
BEHS4035	(10479)	Health Psychology			2	-
BEHS4022	(10457)	Health, Medicine and Society			2	-
PHTY4080	(16411)	Clinical Education IIIHA			9	-
PHTY4081	(16412)	Clinical Education IIIHB			8	-
PHTY4053	(164F2)	Honours Research Seminar			2	2
PHTY4042	(16499)	Honours Thesis			5	7
PHTY4060	(164F9)	Clinical Education IIIC			-	13
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV			-	2
PHTY4058	(164C9)	Topics in Physiotherapy IV			-	3
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III			1	1
PHTY4016	(16444)	Physiotherapy in Neurology III			1	2
			Stage Total	*60*	*30*	*30*

Table 14.3 Bachelor of Applied Science (Physiotherapy)

Course Code *Mode of Offer*

1652 *Pass Course; Full-time, 4 years*

			Sem 1	Sem 2
Year 1	*(to be first offered 1998)*			
BEHS1091	(101A6)	Psychology of Motor Behaviour	-	2
BEHS1108	(101C5)	Research Methods I: Design	3	-
BEHS1123	(101E1)	Introductory Psychology	3	-
BIOS1054	(11158)	Introductory Human Biology	4	-
BIOS1055	(11161)	Body Systems I	-	4
BIOS1064	(11172)	Functional Anatomy A	5	-
BIOS1065	(11173)	Functional Anatomy B	-	5
BIOS1082	(11191)	Introductory Neurobiology	3	-
BIOS1083	(11192)	Neurobiology I	-	2
PHTY1013	(16113)	Electrophysical Agents I	-	4
PHTY1016	(16116)	Musculoskeletal Physiotherapy I	-	" 4
PHTY1018	(16118)	Physiotherapy Practice I	3	-
PHTY1015	(16115)	Kinesiology I	3	3
		Stage Total	*48*	*24*	*24*
Year 2	*(to be first offered in 1999)*			
BEHS2111	(102C3)	Research Methods II: Analysis	-	3
BEHS2112	(102C4)	Introduction to Health Sociology	-	2
BEHS2113	(102C5)	Social and Health Psychology	-	2
BIOS2037	(11286)	Body Systems II	-	1
BIOS2038	(11287)	Neurobiology II	6	-
PHTY2020	(16224)	Cardiopulmonary Physiotherapy I	3	1
PHTY2027	(16231)	Electrophysical Agents II	4	-
PHTY2031	(16235)	Musculoskeletal Physiotherapy II	7	1
PHTY2032	(16236)	Physiotherapy Practice II	-	1
PHTY2033	(16237)	Clinical Education I	-	7
PHTY2034	(16238)	Clinical Education II	-	6
EXSS2008	(22208)	Biomechanics	4	-
		Stage Total	*48*	*24*	*24*
Year 3	*(to be first offered 2000)*			
BEHS3077	(103D0)	Sociology of Clients, Practitioners and Organisations	2	-
BIOS3019	(11374)	Body Systems III	2	-
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II	2	-
PHTY3036	(16337)	Musculoskeletal Physiotherapy III	6	1
PHTY3037	(16338)	Physiotherapy in Neurology I	5	1
PHTY3038	(16339)	Paediatrics	3	2
PHTY3039	(16340)	Physiotherapy Practice III	2	2
PHTY3040	(16341)	Exercise and Health	-	2
PHTY3041	(16342)	Clinical Education III	-	13
EXSS3009	(22309)	Applied Physiology	2	3
		Stage Total	*48*	*24*	*24*
Year 4	*(to be first offered 2001)*			
BEHS4044	(10497)	Psychopathology and Behaviour Change	2	-
BEHS4043	(10495)	Society, Policy and Health	1	-
PHTY4066	(164G7)	Clinical Education IVA	9	-
PHTY4067	(164G8)	Clinical Education IVB	9	-
PHTY4068	(164G9)	Evidence Based Practice	1	2
PHTY4069	(164H0)	Complex Cases	1	1
PHTY4070	(164H1)	Elective	1	1
PHTY4071	(164H2)	Advanced Manipulation Skills	-	1
PHTY4072	(164H3)	Physiotherapy in Neurology II	-	1
PHTY4073	(164H4)	Clinical Education IVC	-	9
PHTY4074	(164H5)	Clinical Education IVD	-	9
		Stage Total	*48*	*24*	*24*

Table 14.4 Bachelor of Applied Science (Physiotherapy) - Honours

Course Code *Mode of Offer*
1653 *Honours Program; Full-time, 4 years*

Years 1 and 2 as per Pass program (Table 14.3)

				Sem 1	Sem 2
Year 3	*(to be first offered 2000)*				
BEHS3044	(10392)	Research Statistics		-	2
BEHS3077	(103D0)	Sociology of Clients, Practitioners and Organisations		2	-
BIOS3019	(11374)	Body Systems III		2	-
PHTY3029	(16336)	Cardiopulmonary Physiotherapy II		2	-
PHTY3036	(16337)	Musculoskeletal Physiotherapy III		6	1
PHTY3037	(16338)	Physiotherapy in Neurology I		5	1
PHTY3038	(16339)	Paediatrics		3	2
PHTY3039	(16340)	Physiotherapy Practice III		2	2
PHTY3040	(16341)	Exercise and Health		-	2
PHTY3041	(16342)	Clinical Education III		-	13
PHTY3042	(16343)	Research for Physiotherapists		3	1
EXSS3009	(22309)	Applied Physiology		2	3
		Stage Total	*54*	*27*	*27*
Year 4	*(to be first offered 2001)*				
BEHS4044	(10497)	Psychopathology and Behaviour Change		2	-
BEHS4043	(10495)	Society, Policy and Health		1	-
PHTY4042	(16499)	Honours Thesis		5	*7*
PHTY4069	(164H0)	Complex Cases		1	1
PHTY4071	(164H2)	Advanced Manipulation Skills		-	1
PHTY4072	(164H3)	Physiotherapy in Neurology II		-	1
PHTY4073	(164H4)	Clinical Education IVC		-	9
PHTY4074	(164H5)	Clinical Education IVD		-	9
PHTY4075	(164H6)	Clinical Education IIIHA		9	-
PHTY4076	(164H7)	Clinical Education IIIHB		9	-
PHTY4077	(164H8)	Honours Research Seminar		3	2
		Stage Total	*60*	*30*	*30*

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 pre-requisites for HSC candidates to the Bachelor of Applied Science (Physiotherapy) program. As most students will be interacting with computers during their program, experience in the use of computers would be an advantage. Assumed knowledge includes 2u Mathematics, plus either of 2u Physics and 2u Chemistry *or* 3/4 unit Science at HSC level. Students who have not completed these studies recently are advised to consider attending one or more of the pre-semester bridging programs offered by the Faculty of Health Sciences. Please refer to the General Admission Requirements in Chapter 3 and the section on Bridging Courses in Chapter 3. Applicants who are not sitting the current NSW HSC examination may be required to demonstrate other entry criteria (eg. exceptional performance in a recognised undergraduate degree program in which they are currently enrolled or completion of a degree) and may be asked to complete a questionnaire specified by the Faculty. Data derived from such questionnaires will be used in the selection process. "Tertiary Record 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 14.1 and 14.2.
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 of 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.

Unit Descriptions

Unit descriptions are listed as for the current program. Unit descriptions for previous years can be found in previous years' Handbooks.

Year 1

BEHS1123 (101E1) Introductory Psychology
Semester 1 - 3 credit points
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.

BEHS1091 (101A6) Psychology of Motor Behaviour
Semester 2-2 credit points
Pre-requisite Introductory Psychology (BEHS1123)
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.

BEHS1108 (101C5) Research Methods I: Design
Semester 1-3 credit points
This unit introduces students to the research process and focuses on developing informed consumers of research. This unit begins with brief consideration of the philosophy of sciences, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology.

BIOS1054 (11158) Introductory Human Biology

Semester 1 - 4 credit points

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.

BIOS1055 (11161) Body Systems I

Semester 2 - 4 credit points

Pre-requisite Introductory Human Biology (BIOS 1054)

This unit will present the anatomy and physiology of the cardiovascular, respiratory and digestive systems. The unit includes laboratory classes where the unit is studied from human cadavers. Attendance at such classes is required for the unit.

BIOS1064 (11172) Functional Anatomy A

Semester 1-5 credit points

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.

BIOS1065 (11173) Functional Anatomy B

Semester 2-5 credit points

Pre-requisite Functional Anatomy A (BIOS 1064)

This unit will present the gross anatomical structure of the lower limb, trunk, head and neck. In addition embryological development of the musculoskeletal system willbe covered. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

BIOS1082 (11191) Introductory Neurobiology

Semester 1 - 3 credit points

Co-requisite Introductory Human Biology (BIOS1054)

This unit introduces the student to the basic structure and function of the nervous system, and the physiology of nerve, 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.

BIOS1083 (11192) Neurobiology I

Semester 2- 2 credit points

Pre-requisites Introductory Neurobiology (BIOS1082), Introductory Human Biology (BIOS 1054)

This unit covers spinal reflex mechanisms, as well as the structure and function of the somatosensory system. There is also a discussion of the autonomic nervous system. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

PHTY1013(16113) Electrophysical Agents I

Semester 2 - 4 credit points

Assumed knowledge Functional Anatomy A (BIOS1064)

This unit involves the student in the study of the physical bases and physical consequences of various electrophysical modalities. It provides the student with the opportunity to develop basic knowledge and skills in the safe and effective use of a range of modalities for symptom reduction and the enhancement of tissue repair. The topics studied include conductive heating and cooling, ultrasound, pressure therapy, laser, and ultraviolet radiation. Safety issues are emphasised. Also, an emphasis is placed on communication skills development, which is considered an integral part of quality health management. In order to pass this unit a satisfactory standard mustbe achieved inboth the theoretical and practical components of the unit.

PHTY1015 (16115) Kinesiology I

Semester 1 - 3 credit points

Semester 2 - 3 credit points

Co-requisites Functional Anatomy A (BIOS 1064), Functional Anatomy B (BIOS1065), Psychology of Motor Behaviour (BEHS1091)

This unit will provide students with a comprehensive understanding of normal movement. Students will learn to collect and interpret information about normal and abnormal motor function using a wide range of qualitative and quantitative methods. Modules include the observation of everyday tasks (sitting, standing up, standing, walking, reaching and manipulation), and measurement of joint range, muscle strength, and motor skill. Material presented in this unit will be integrated with material presented in Functional Anatomy and Behavioural Sciences.

PHTY1016 (16116) Musculoskeletal Physiotherapy I

Semester 2 - 4 credit points

Pre-requisite Functional Anatomy A (BIOS1064)

Co-requisite Functional Anatomy B (BIOS1065)

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.

PHTY1018 (16118) Physiotherapy Practice I

Semester 1-3 credit points

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 theformat 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, ininterviewing, 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. Because of this linkage it is unlikely that advanced standing will be granted for this unit.

Year 2

BEHS2077 (10288) Social Interaction, Communication and Personality

Semester 1 - 3 credit points

Pre-requisite Psychology of Motor Behaviour (101A6)

This unit addresses the issue of the patient, the therapist and the social setting in which they interact. Topics covered are: personality and health, psychopathoiogy and personality disorder, substance abuse; personperception and attribution theory, decision strategies and social dilemmas, obedience and authoritarianism, attitudes, stereotypes and prejudice, verbal and non-verbal behaviour in social interaction, attraction and love, social influence processes and small group dynamics, characteristics of effective communication with different client groups, strategies for enhancing therapeutic outcomes at different developmental levels, working with relatives and other health professionals.

BIOS2037 (11286) Body Systems II

Semester 2-2 credit points

Pre-requisite Body Systems I (11161)

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.

BIOS2038 (11287) Neurobiology II

Semester 1 - 4 credit points

Pre-requisite Neurobiology I (11192)

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 andphysiologicalbasis of neurological problems throughout the unit. The unit includes laboratory classes where tissues fromhuman cadavers are examined in detail. Attendance at such classes is required for the unit.

EXSS2008 (22208) Biomechanics

Semester 1 - 3 credit points

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 AnatomyA (11172) and Functional AnatomyB(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.

PHTY2013 (16213) Kinesiology II

Semester 1 -1 credit point

Semester 2 -1 credit point

Prerequisite Kinesiology I (16115)

This unit provides an opportunity for students to utilise the skills acquired in Kinesiology I by comparing abnormal motor behaviour with a normal model. Students will be required to collect data, organise the information and write up a report.

PHTY2019 (16223) Physiotherapy in Neurology I

Semester 2 -1 credit point

Pre-requisite Neurobiology I (11192)

Physiotherapy in Neurology aims to develop in students an ability to apply relevant theoretical and data-based scientific findings to clinical practice, particularly in the area of movement dysfunction associated with disease and trauma to the central nervous system. The emphasis is on encouraging students to analyse their own performance, to measure the outcome of their clinical interventions and to initiate and respond to the need for change. This unit introduces students to the theoretical framework for physiotherapy in neurological rehabilitation. Students study training everyday actions based on biomechanics, muscle biology and motor learning techniques.

PHTY2020 (16224) Cardiopulmonary Physiotherapy I
Semester 1 - 3 credit points
Semester 2 - 1 creditpoint
Pre-requisite Body Systems I (11161)
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. Inparticular, students will evaluate the pathophysiological consequences of abdominal and thoracic surgery, infective and inflammatory conditions and airflow limitations on pulmonary function and impaired cardiac function on the cardiovascular performance. Additionally, students will develop treatment strategies to effectively manage respiratory and cardiac problems identified in adults or children. There will be an emphasis on preventative management and the unit will provide students with an opportunity to apply, integrate and extend knowledge gained in year 1 Biological Sciences, Musculoskeletal Physiotherapy and Kinesiology.

PHTY2022 (16226) Topics in Physiotherapy II
Semester 2 - 2 credit points
Co-requisites Clinical Education IB (PHTY2030)
Assumed knowledge Social Interaction, Communication and Personality (BEHS2077) or its equivalent
This unit builds on Topics in Physiotherapy I, in further developing the attributes and skills of the student as a health professional. It examines legal and ethical issues in health care practice in general, and in physiotherapy in particular. It also examines the principles and practice of quality management in health care delivery. Law and ethics are covered in lectures. In workshop sessions, students explore the inter-relationship between ethics and communication within the framework of clinical decision making. It is unlikely that Advanced Standing will be granted for this unit since the ethical scenarios that are utilised are physiotherapy specific; also knowledge of the law and how it relates to physiotherapy practice must be current.

PHTY2027 (16231) Electrophysical Agents II
Semester 1-4 credit points
Pre-requisite Electrophysical Agents I (16113)
Assumed knowledge Functional Anatomy A (11172), Functional Anatomy B (11173), Kinesiology I (16115), Musculoskeletal Physiotherapy 1(16116)
This unit continues the study of electrophysical modalities used in clinical practice for symptom reduction and neuromuscular improvement. The topics studied include shortwave diathermy, transcutaneous electrical nerve stimulation, and introduction to the use of surface electomyographic biofeedback units. Safety issues are emphasised throughout this unit. Emphasis is also placed on communication skills development, which is considered an integral part of quality health management. In order to pass this unit, a satisfactory standard must be achieved in both the theoretical and practical components of the unit.

PHTY2028 (16232) Musculoskeletal Physiotherapy II
Semester 1-6 credit points
Semester 2- 1 credit point
Pre-requisites Functional Anatomy A and B (11172 and 11173), Musculoskeletal Physiotherapy I (16116)
This unit aims to equip students with the necessary cognitive and practical skills to effectively assess and manage, at a basic level, patients with selected problems with the peripheral musculoskeletal system. This unit will include a rheumatology component.

PHTY2029 (16233) Clinical Education IA
Semester 2 - 8 credit points
Pre-requisite Electrophysical Agents.il (PHTY2027)
Co-requisites Cardiopulmonary Physiotherapy I (PHTY2020), Musculoskeletal Physiotherapy II (PHTY2028)
This unit aims to develop students' skills in managing outpatients with selected disorders of the peripheral musculoskeletal system and in some settings, disorders of the cardiopulmonary system. Students may be placed in one of many healthcare settings such as public hospitals and community facilities. The emphasis in this unit is on aspects of examination, analysis of information gained from the examination and the implementation of a treatmentprogram. Communication skills development is also an integral part of this unit.

PHTY2030 (16234) Clinical Education IB
Semester 2 • 8 credit points
Pre-requisite Electrophysical Agents II (PHTY2027)
Co-requisites Cardiopulmonary Physiotherapy I (PHTY2020), Musculoskeletal Physiotherapy II (PHTY2028)
The aim of this unit is to provide an opportunity for the student to become effective (commensurate with his/her knowledge, skills and experience) and safe in managing patients who are admitted to general medical and surgical wards. Communication skills development is also an integral part of this unit.

Year 3

BEHS3050 (10398) Social Theory and Health
Semester 1 - 4 credit points
This unit aims to develop an understanding of basic sociological concepts and their relationship to health care. The program will increase students' ability to critically examine and evaluate aspects of society with which they are familiar in order to extend their understanding of social structures, organisational contexts and processes relevant to health, illness and health care. Conceptually it will begin at the macro level of the health system and policy formulation and move to the micro level of the client and practitioner. In addition, the unit will extend students' knowledge of the methods of analysing and interpreting sociological data in the health area.

BEHS3067 (103B9) Research Methods II: Data Analysis
Semester 1 - 3 credit points
Pre-requisite Research Methods I: Design (101C5)
This units builds on 101C5 and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from physiotherapy practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard scores and correlation, and be introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance. Students will learnhow to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BIOS3019 (11374) Body Systems III

Semester 1-2 credit points

Pre-requisite Body Systems II (BIOS2037/11286)

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.

EXSS3009 (22309) Applied Physiology

Semester 1 - 2 credit points

Semester 2- 3 credit points

Co-requisite Body Systems III (BIOS3019)

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.

PHTY3019 (16320) Physiotherapy in Neurology II

Semester 1-4 credit points

Semester 2 - 2 credit point

Pre-requisite Physiotherapy in Neurology! (16223)

This unit introduces the study of the impairments and problems arising from brain damage of acute onset. Movement habitation/rehabilitation of infants, children and adults will be explored in depth using the theoretical framework studied in Physiotherapy in Neurology I. Motor training techniques based on the biomechanical characteristics of linked segments and the characteristics of muscle will be studied. Analysis of the rehabilitation environment and strategies to increase the amount of practice carried out by patients will be examined.

PHTY3022 (16323) Topics in Physiotherapy III

Semester 1 -1 credit points

Semester 2 - 2 credit points

Pre-requisites Clinical Education IA (16233), Clinical Education IB (16234)

Co-requisite Body Systems III (BIOS3019)

This unit examines community health issues and the role of the physiotherapists in two strands. In the first strand we explore the principles and practice of health promotion. Current issues in community-based rehabilitation are also addressed, with particular reference to the well elderly. In the second strand, we explore the physiotherapists contribution in a number of healthcare areas including, for example: elderlypeople with disease and/or disability; pre- and post-natal women; people with burn injuries, with amputations, with HIV/AIDS, and people with urinary incontinence. The theory and practice of infection control are also addressed.

PHTY3029 (16330) Cardiopulmonary Physiotherapy II

Semester 1-2 credit points

Pre-requisites Body Systems II (11286), Cardiopulmonary Physiotherapy I (16224)

Co-requisite Applied Physiology (EXSS3009)

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.

PHTY3030 (16331) Musculoskeletal Physiotherapy III

Semester 1 - 6 credit points

Semester 2- 2 credit points

Pre-requisite Musculoskeletal Physiotherapy II (16232)

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. They will study common pathologies affecting the vertebral column and appropriate medical and physiotherapy management. This unit will include a component of paediatric musculoskeletal physiotherapy.

PHTY3040 (16341) Exercise and Health

Semester 2- 2 credit points

Pre-requisites Cardiopulmonary Physiotherapy I (16224), Body Systems II (11286)

Co-requisites Applied Physiology (EXSS3009)

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.

PHTY3031 (16332) Clinical Education II

Semester 2-13 credit points

Pre-requisites Clinical Education IA (16233), Clinical Education IB (16234)

Co-requisites Cardiopulmonary Physiotherapy II (PHTY3029), Physiotherapy in Neurology II (PHTY3019), Musculoskeletal Physiotherapy III (PHTY3030)

Students will build on the experience gained in Clinical Education IA and IB. Students will be expected to demonstrate an increased ability in managing the patient (assessment, treatment and evaluation). Professional practices will also be emphasised. The clinical placement will be in one of the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas.

Year 4

BEHS4022 (10457) Health, Medicine and Society
Semester 1 - 2 credit points
This unitprovidesthebasis for an understanding of emergent social issues relevant to physiotherapy and the relationship between health, medicine and society. It will cover health care in pre-industrial societies and the Third World, cross-cultural views of health and illness, lay and expert interpretations of health and disease, the rise of Western medicine, professionalism and bureaucratisation, health care organisations, division of labour in health care, alternative practitioners and holistic health, sexuality, the body and health, evaluating health care services and community care.

BEHS4035 (10479) Health Psychology
Semester 1 - 2 credit points
Pre-requisites Social Interaction, Communication and Personality (10288)
This unit looks at behaviours which affect health, illness and recovery and involves areas such as: anxiety and health, mental phobias, obsessions and compulsions, social anxiety, cognitive and behavioural management of anxiety (assertiveness, cognitive restructuring, modelling, desensitisation), pain and injury, acute and chronic pain, behavioural pain management programs, component analysis, paediatric pain, intellectual disability: diagnosis and assessment, specific cognitive impairments, behaviour problems and their management, normalisation and deinstitutionalisation; reaction to onset of illness and disability, attitudes of the able bodied and professionals to disability, strategies for changing negative attitudes, death and bereavement, medical and social aspects of childbirth, problems of particular disability groups, implications for rehabilitation.

PHTY4016 (16444) Physiotherapy in Neurology III
Semester 1 - 1 credit points
Semester 2 - 2 credit points
Pre-requisite Physiotherapy in Neurology II (16320)
This unit continues to examine the theoretical base for clinical intervention encompassing anhistoricalperspective of neurological rehabilitation. It provides the opportunity for students to further develop their skill in relation to problems associated with lesions of the nervous system.

PHTY4048(164C9) Topics in Physiotherapy IV
Semester 2 - 3 credit points
Students will continue their study of professional issues, and will explore the role of the physiotherapist in the area of occupational health, and in the management of people with chronic pain. The unit will be taught in three strands: Professional Issues, Occupational Health and Chronic Pain.

PHTY4055 (164F4) Musculoskeletal Physiotherapy IV
Semester 2 - 2 credit points
Pre-requisite Musculoskeletal Physiotherapy III (16331)
This unit aims to further develop students' cognitive and practical skills necessary to competently manage patients presenting with more complex musculoskeletal disorders. Students will study practical and theoretical aspects of manipulative physiotherapy. This unit will enable students to integrate selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. A further aim of this unit is to continue developing the student's ability to evaluate and draw implications from the literature in the area of musculoskeletal physiotherapy.
Note: Students who have successfully completed the vertebral component of MS3 but not the paediatric component may apply to the Head of School to waive this prerequisite

PHTY4056 (164F5) Research and Investigation II
Semester 1 -1 credit point
Semester 2 -1 credit point
Prerequisite Research Methods and Statistics II (103B3)
In this unit students learn the skills required to prepare a research proposal. Students will work in small groups with a supervisor to develop a research proposal.

PHTY4057 (164F6) Research and Investigation III
Semester 1 -1 credit point
Semester 2- 2 credit point
Prerequisite Research Methods and Statistics II (103B3)
In this unit students will evaluate clinical trials in physiotherapy. Students will apply knowledge and skills gained in prior research units, as well as in the various areas of physiotherapy practice. Each student will investigate an area of physiotherapy of their choice.

PHTY4058 (164F7) Clinical Education IMA
Semester 1 - 8 credit points
Pre-requisites Clinical Education II (16332), Musculoskeletal Physiotherapy III (16331)
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.
Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education HIA, IHB or mC.

PHTY4059 (164F8) Clinical Education NIB
Semester 1 - 8 credit points
Pre-requisites Clinical Education II (16332), Musculoskeletal Physiotherapy III (16331)
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.
Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education HIA, IHB or mC.

PHTY4060(164F9) Clinical Education IMC

Semester 2-13 credit points

Pre-requisites Clinical Education II (16332), Musculoskeletal Physiotherapy III (16331)

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy **in** are precluded from undertaking the Musculoskeletal Module of Clinical Education mA, IIIB or mC.

PHTY4061 (164G0) Cardiopulmonary Physiotherapy III

Semester 1 -1 credit point

Semester 2 -1 credit point

Pre-requisite Cardiopulmonary Physiotherapy II (16330), Applied Physiology (22309)

This unit aims to further develop the student's understanding of cardiopulmonary dysfunction, the scientific basis for therapeutic intervention and the process of clinical decision making. Areas that will be addressed include the management of individuals with one or more of the following disorders - chronic/ acute airflow limitation, cardiovascular disorders, suppurative and infective lung diseases, restrictive lung disorders. There is an emphasis throughout the unit on self-directed learning and skills in presenting justification for clinical intervention.

Honours Program

The following information is specific to the Physiotherapy Honours program. Entry to the Honours program is comp etitive 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 14.1 for the course outline.

General policies relating to the Honours Program are presented in Chapter 3. For further information specific to the Physiotherapy Honours Program, students are advised to contact the School's Honours Program Coordinator, Dr Elizabeth Ellis, telephone (02) 9 351 9470.

In order for honours students to have adequate time to pursue their research studies a number of modifications have been made to the pass program for these students. Modifications include: unit exemptions and additions (as outlined below), variation in clinical education units' timing and hours and timetabling flexibility (as outlined below).

Exemptions: Students in the Honours Program complete all year 3 and year 4 units in the Pass Program, except Research and Investigation I (16329), Research and Investigation II (164F5), and Research and Investigation III (164F6) 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 164G1 Clinical Education IHHA instead of 164F7 Clinical EducationlHA and complete 164G2 Clinical Education LTHB instead of 164F8 Clinical Education IIIB. They also complete 164F9 Clinical Education mC along with the pass students. Honours students should note that due to these concessions their total clinical hours are 1000 which is the minirnum number of hours required for course completion. Therefore, they are normally required to make up any absences from clinical placements.

Semester 7 Timetabling Flexibility: In semester 7, year 4 students are permitted (with support of their supervisors) to spread their coursework over weeks 4-13 or to concentrate their coursework studies in weeks 4-8 (with Group B of the Pass Students) or in weeks 9-13 (with Group A of the Pass Students) to allow for flexibility in accommodating the needs of different students' honours projects (eg. in terms of data collection). Notification of the preferred option is required before the end of Week 3 of Year 4.

Additional units: Honours students complete the following extra units: BEHS3044 Research Statistics, PHTY3034 Research for Physiotherapists, PHTY4042 Honours Thesis and PHTY4053 Honours Research Seminar

Unit Description

See Pass program unit descriptions for units in common with Pass program. Special Honours units are as follows:

Year3

BEHS3044 (10392) Research Statistics

Semester 2- 2 credit points

Pre-requisite Research Methods II: DataAnalysis(103B3or103B9)

This unit provides students with the opportunity to extend and consolidate the statistical skills acquired in the previous years of the program and provides the foundation for the statis tics which maybe used in the Honours researchproject. Topics to be covered include analysis of co-variance, regression models and introductory multivariate analyses.

PHTY3034 (16335) Research for Physiotherapists

Semester 1 - 3 credit points

Semester 2- 1 credit points

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 unittheywillhavepreparedawrittenresearch proposal.

Year 4

PHTY4042 (16499) Honours Thesis

Co-requisite Honours Research Seminar (PHTY4053)

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of physiotherapy. As part of this and other Honours units, each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor.

PHTY4053 (164F2) Honours Research Seminar

Semester 1 - 2 credit points

Semester 2- 2 credit points

Co-requisite Honours Thesis (PHTY4042)

The aim of this unit is to develop students' skills required to present orally their research project and to produce their thesis. This unit supports Honours students with their ongoing research. It is intended that students will develop their presentation abilities, critical analysis skills and their understanding of the research process.

PHTY4062 (164G1) Clinical Education IIIHA

Semester 1 - 8 credit points

Pre-requisites Clinical Education II (16332), Musculoskeletal Physiotherapy III (16331)

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

This unit is equivalent in content to PHTY4058 Clinical Education IIIA

Note: Students failing Musculoskeletal Physiotherapy in areprecludedfromundertakingtheMusculoskeletalModule of Clinical Education IHA, IIIB or IHC.

PHTY4063 (164G2) Clinical Education IIIHB

Semester 1 - 8 credit points

Pre-requisites Clinical Education II (16332), Musculoskeletal Physiotherapy III (16331)

Students will continue clinical placements in the following areas - neurological, cardiopulmonary, general and a musculoskeletal unit with special emphasis on the management of patients with spinal problems. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY4059 Clinical Education niB

Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education III A, IIIB or IHC. While enrolled in this unit honours students can negotiate with their honours project supervisor and their clinical education supervisor to be absent from their clinical placement for ten hours during the placement to engage in honours studies and / or meetings with supervisors. (Thus this unit is ten hours less than the parallel pass unit).

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 settmgmerebygainingexperienceinphysiotherapypractice.

During the undergraduate program students are allocated to placements within the Sydney metropolitan area, and to country areas. All students are required to do at least one country placement. Opportunities may exist for senior students to elect to do an interstate or overseas placement depending on availability.

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in second year.

St John Ambulance programs on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Since students in the health care professions are usually considered to be in the "High Risk Category" for contacting infections, it is strongly recommended that they familiarise themselves with the detailed information contained in the booklet "Infectious Diseases and You". This is published by the Faculty and is available from Student Administration (Cumberland).

Students are encouraged to be vaccinated for diseases such as Hepatitis A & B, Rubella and Tuberculosis prior to commencing clinical work. Information regarding vaccination is also placed on the Physiotherapy student noticeboards.

A specific number of clinical hours is required to ensure adequate clinical practice. Time missed from clinical placements must normally be made up, at the discretion of the Head of School. There is no set number of days which can be missed. This is quite a separate issue from the achievements of the clinical objectives which are assessed on each clinical. The make up of time is necessary since there is a requirement for registration as a physiotherapist that a certain amount of clinical practice be completed during the program.

The make up time is completed inweeksbetweensemester 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.

1998 Clinical Practice Dates

Pass and Honours Program

Year 2

Inter-semester Break and Semester 2: Group A July 6 -July 31, Group B August 3 - August 28.
Semester 2: Group A August 31 - September 25, Group B September 28 - October 23.

Year 3

Group B July 6 - August 7, Group A August 10 - September 11.

Year 4 - Pass Program Only

Pre-semester 1: Groups A & B February 16 - March 20
Semester 1: Group A March 23 - April 24 Group B May 4 - June 5.
Semester 2: Groups A & B October 12 - November 13

Year 4 -Honours Program Only

Pre-semester 1 and Semester 1: January 19 - February 13, February 16 - March 20.
Semester 2: October 12 - November 13.
Note: Time missed from clinical placements must be made up at the discretion of the Head of School.

Uniforms

The uniform required for Physiotherapy students is as set out below:

Female

Navy blue culottes or navy blue tailored trousers (straight legs)
White short sleeved blouse
Black/white shoes
Natural coloured stockings with culottes
Navy cardigan or jumper

Male

Navy blue trousers or shorts
White short sleeved, open neck shirt
Black/white shoes
White walk socks with shorts
Navy jumper or cardigan

Any student who does not comply with the above may be sent out of the clinical situation. Arrangements will be made for a representative of the supplier to come to the Student Guild and take uniform orders. Please leave the purchase of your uniforms until this time. Plain navy cardigans and navy pullovers may be purchased at most large dep artment stores.

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 technology.

The off-shore programs are conducted in Singapore by the Faculty of Health Sciences in conjunction with the Singapore Insirute of Management. They arose from a successful tender by the Faculty to conduct conversion courses for health professionals, namely, nurses, occupational therapists, physiotherapists, and medical radiation technologists, who are local residents of Singapore. Graduates from these programs will receive an award from the University of Sydney. The courses are conducted in a part-time modular mode, the duration being eighteen months to two years (see individual program entries). Several modules described in the Nursing program are common to the Occupational Therapy, Physiotherapy and Medical Radiation Technology programs (see individual program entries).

Each module is conducted over a three week period and comprises of thirty hours of student contact. Modules are programed 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 Dean's Office co-ordinate interractions with theSingapore 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 NanyangPolytechnic to convert their diploma qualifications to a Bachelors degree.

Off-Shore (Singapore-based) Programs

Table 15.1 Bachelor of Health Science (Nursing)

Course Code *Mode of Offer*

2001 *Modular; Part-time, 2 years (September start)*

Part-time Mode

				Sem 1	Sem 2
Year 1					
SING4001	(20401)	The Nature of Health Care Delivery		3	-
SING4002	(20402)	Ethical Dimensions of Health Care Delivery		3	-
SING4003	(20403)	Psychology of Teaching and Learning		3	-
SING4004	(20404)	Research Methods 1		3	-
SING4005	(20405)	The Legal Perspective		-	4
SING4006	(20406)	Patient/Client Education		-	4
SING4007	(20407)	Research Methods 2		-	4
		Stage Total	*24*	*12*	*12*
Year 2					
SING4008	(20408)	Pathophysiology		3	-
SING4009	(20409)	Sociology of Work and Organisations		3	-
SING4010	(20410)	Financial Management in the Health Services		3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships		-	4
SING4012	(20412)	Health Assessment		3	-
SING4013	(20413)	Management in Nursing		-	4
SING4014	(20414)	Advanced Clinical Studies		-	4
		Stage Total	*24*	*12*	*12*

Note Credit may be given for previous learning.

Table 15.2 Bachelor of Health Science (Nursing)

Course Code *Mode of Offer*
2011 *Part-time, 2 years (April start)*

Part-time Mode

				Sem 1	Sem 2
Year 1					
SING4024	(20424)	The Nature of Health Care Delivery		3	-
SING4025	(20425)	Ethical Dimensions of Health Care Delivery		3	-
SING4026	(20426)	Psychology of Teaching and Learning		3	-
SING4027	(20427)	Research Methods 1		3	-
SING4028	(20428)	Patient/Client Education		-	4
SING4029	(20429)	The Legal Perspective		-	4
SING4030	(20430)	Research Methods 2		-	4
		Stage Total	***24***	***12***	***12***
Year 2					
SING4031	(20431)	Pathophysiology		3	-
SING4032	(20432)	Health Assessment		3	-
SING4033	(20433)	Sociology of Work and Organisations		3	-
SING4034	(20434)	Management in Nursing		-	4
SING4035	(20435)	Sociology of Client/Practitioner Relationships		-	4
SING4036	(20436)	Financial Management in the Health Services		3	-
SING4037	(20437)	Advanced Clinical Studies		-	4
		Stage Total	***24***	***12***	***12***

Note Credit may be given for previous learning.

Bachelor of Health Science (Nursing)

Admission requirements

Applicants should possess:

a) a Diploma in Nursing from Nanyang Polytechnic, Singapore;
OR
b) a Diploma in Nursing from an approved institution;
OR
c) a Certificate in Nursing from the Singapore School of Nursing, or its equivalent;
AND
d) a minirnurn of twelve months nursing clinical practice;
AND
e) employment as a registered nurse in a working environment appropriate to their profession and acceptable to the University.

Unit Descriptions

SING4001/SING4024 (20401/20424) The Nature of Health Care Delivery

Semester 1-3 credit points

This unit introduces students to the social, cultural, political, economic dimensions of health care. The unit aims to provide an understanding of the factors which influence the health of the population and the delivery of health care.

SING4002/SING4025 (20402/20425) Ethical Dimensions of Health Care Delivery

Semester 1 - 3 credit points

This unit examines the ethical issues which confront health professionals and provides a framework for their analysis. The works of several moral theorists are presented to provide an underpinning for the examination of health care issues.

SING4003/SING4026 (20403/20426) Psychology of Teaching and Learning

Semester 1 - 3 credit points

This unit aims to provide an understanding of the processes of teaching and learning and the relationship between them. It also provides experiences in applying that understanding to the teaching of students, clients, health professionals and others. The unit explores the concepts of teaching and learning; provides an overview of learning theories and types of learning: considers the significance of motivation and reinforcement in the process of learning; and explores theories of learning in the cognitive, affective and psychomotor domain and consider their implication for teaching.

SING4004/SING4027 (20404/20427) Research Methods 1

Semester 1 - 3 credit points

This unit examines the key approaches, methods and designs by which research is undertaken in the health professions. It incorporates an outline of the research process which will guide students through a simple descriptive study. Students will develop basic skills related to data collecting instruments, data collection, data analysis and interpretation of findings. Particular issues relating to evaluation and epidemiological research as well as observational, clinical and survey research are included.

SING4005/SING4029 (20405/20429) The Legal Perspective

Semester 2 - 4 credit points

This unit develops students' awareness of law as it relates to health care and management. Issues relevant to the Singapore legal system will be highlighted.

SING4006/SING4028 (20406/20428) Patient/Client Education

Semester 2 - 4 credit points

This unit develops knowledge from Psychology of Teaching and Learning and provides students with the opportunity to develop teaching skills. This unit has fifteen non-teaching hours to enable practical application of the theory targets.

SING4007/SING4030 (20407/20430) Research Methods 2

Semester 2 - 4 credit points

This unit extends the skills acquired in Research Methods I to inferential research procedures and methods appropriate to the health professions. Topics include probability, significance, confidence intervals, inferential statistics, discriminant analysis, multiple group designs, and bio-statistics. Part of this unit includes the application of the skills acquired in a clinical context.

SING4008/SING4031 (20408/20431) Pathophysiology

Semester 1 - 3 credit points

This unit examines the major causative factors of disease and their relationship to the epidemiology of illness.

SING4009/SING4033 (20409/20433) Sociology of Work and Organisations

Semester 1-3 credit points

This unit examines the structural and procedural aspects of organisations, using a sociological framework. There is an emphasis on the hospital as the major workplace of health care professionals, especially nurses, and addresses pertinent concerns and issues.

SING4010/SING4036 (20410/20436) Financial Management in the Health Services

Semester 1 - 3 credit points

This unit introduces students to the financial management of hospitals and health services institutions. Topics covered include basic accounting procedures, financial and budgetary process, types of budgets, and auditing procedures. In addition the unit covers hospital accounting systems and methods of funding, hospital cost analysis and control, and clinical costing systems. This unit has fifteen non-teaching hours to enable practical application of the theory taught.

SING4011/SING4035 (20411/20435) Sociology of Client/Practitioner Relationships

Semester 2- 4 credit points

This unit examines the practitioner/patient relationship within the generic professional-client model. Different sociological paradigms are applied to analyse structure, conflict, interaction, affect and social skill in the practitioner-patient relationship.

SING4012/SING4032 (20412/20432) Health Assessment

Semester 1-3 credit points

This unit provides students with an understanding of the principles of health assessment and the skills necessary to undertake health history and physical examination.

SING4013/SING4034 (20413/20434) Management in Nursing

Semester 2 - 4 credit points

This unit introduces students to theories and general principles of management and relates these to the management of health services. Topics focus on both traditional and contemporary management theories and the management functions of planning; organising, leading and controlling. Other areas covered include total quality management, human resource management, and the management of conflict and change in the workplace.

SING4014/SING4037 (20414/20437) Advanced Clinical Studies

Semester 2 - 4 credit points

This unit provides students with the opportunity to examine various aspects of nursingpractice. 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.

Table 15.3 Bachelor of Health Science (Occupational Therapy)

Course Code *Mode of Offer*
2002 *Part-time, 2 years*

Part-time Mode

				Sem 1	Sem 2
Year 1					
SING4001	(20401)	The Nature of Health Care Delivery		3	-
SING4002	(20402)	Ethical Dimensions of Health Care Delivery		3	-
SING4003	(20403)	Psychology of teaching and learning		3	-
SING4004	(20404)	Research Methods 1		3	-
SING4005	(20405)	The Legal Perspective		-	4
SING4006	(20406)	Patient/Client Education		-	4
SING4007	(20407)	Research Methods 2		-	4
		Stage Total	*24*	*12*	*12*
Year 2					
SING4008	(20408)	Pathophysiology		3	-
SING4009	(20409)	Sociology of Work and Organisations		3	-
SING4010	(20410)	Financial Management in the Health Services		3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships		-	4
SING4012	(20415)	Components of Occupational Performance		-	4
SING4016	(20416)	Occupational Therapy Theory and Process		-	4
SING4017	(20417)	Evaluation of Occupational Therapy Programs		3	-
		Stage Total	*24*	*13*	*16*

Note: Students may be granted credit for prior learning.

Bachelor of Health Science (Occupational Therapy)

Admission Requirements

Applicants should possess:

i) A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with "A Level" entry;
OR

ii) An approved Diploma in Occupational Therapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE "A" level Examinations or the equivalent.

Course Outline

The course outline for the Bachelor of Health Science (Occupational Therapy) Course is presented in Table 15.3.

Unit Descriptions

Note: For descriptions of units SING4002/5/8/10/11 see previous entry under Bachelor of Health Science (Nursing) course.

SING4015 (20415) Components of Occupational Performance

Semester 1-3 credit points

This unit examines further deficits in cognitive, sensory motor and biomechanical components of performance in order to further restore, maintain and enhance human occupational performance. Specifically, students will learn to apply existing knowledge about upper limb orthotics and physical guidance to adults and children with brain impairment.

SING4016 (20416) Occupational Therapy Theory and Process

Semester 2 - 4 credit points

This unit consists of two parts. Part A provides students with an opportunity to develop a workshop focused around micro skills appropriate for use in community occupational therapy. The students will research and develop aworkshop manual and conduct a workshop on a chosen topic. Students further develop their abilities to gather and synthesise relevant data, teachskills, and plan programs in occupational therapy. Part B provides students with an opportunity to develop management skills for occupational therapy practice. Current management theories will be reviewed and applied to occupational therapy practice.

SING4017 (20417) Evaluation of Occupational Therapy Programs

Semester 1 - 3 credit points

This unit provides students with an understanding of the principles of program evaluation in clinical settings and an introduction to strategies of program needs assessment, process evaluation, impact and efficiency evaluation. Students have an opportunity to systematically plan, participate in and document a program evaluation. This module has fifteen non-teaching hours to enable practical application of theory taught.

Table 15.4 Bachelor of Health Science (Physiotherapy)

Course Code *Mode of Offer*
2003 *Part-time, 2 years*

Part-time Mode

				Sem 1	Sem 2
Year 1					
SING4001	(20401)	The Nature of Health Care Delivery		3	-
SING4002	(20402)	Ethical Dimensions of Health Care Delivery		3	-
SING4003	(20403)	Psychology of teaching and learning		3	-
SING4004	(20404)	Research Methods 1		3	-
SING4005	(20405)	The Legal Perspective		-	4
SING4006	(20406)	Patient/Client Education		-	4
SING4007	(20407)	Research Methods 2		-	4
		Stage Total	*24*	*12*	*12*
Year 2					
SING4008	(20408)	Pathophysiology		3	-
SING4009	(20409)	Sociology of Work and Organisations		3	-
SING4010	(20410)	Financial Management in the Health Services		3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships		; -	4
SING4018	(20418)	Evaluation in Physiotherapy		3	-
SING4019	(20419)	Topics in Physiotherapy Management		-	4
SING4020	(20420)	Advanced Physiotherapy Studies		-	4
		Stage Total	*24*	*12*	*12*

Note:Students may be granted credit for prior learning.

Bachelor of Health Science (Physiotherapy)

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.

Unit Descriptions

Note: For descriptions of units SING4001 to SING4011 see previous entry under Bachelor of Health Science (Nursing) course.

SING4018 (20418) Evaluation in Physiotherapy*
Semester 1 - 3 credit points
The aim of this unit is to explore the principles and procedures of quality assurance specifically in relation to evaluation of patient outcomes. This unit provides 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 asses clinical outcomes. Students will also explore these issues in their own workplace.

SING4019 (20419) Topics in Physiotherapy Management*
Semester 2 - 4 credit points
In this unit, students will address issues related to specific topic in physiotherapy which will facilitate/enhance their managerial abilities. Topics will include: the assessment and management of individual, group and department performance; occupationalhealth and safety; the evaluation of new technology and equipment in terms of clinical and scientific merit and cost-effectiveness; analyses of the environment (e.g. physiotherapy department) to identify to what extent it meets the goals set forth by that department; presentation of submissions; marketing, ethics and public relations; politics of health care; continuing professional development.

SING4020 (20420) Advanced Physiotherapy Studies*
Semester 2 - 4 credit points
This unit provides the opportunity to evaluate clinical trials in selected areas of physiotherapy through discussion on: the prevailing clinical opinions on the effectiveness of particular physiotherapy treatments as reflected in the literature; the degree of confidence that can be attached to the prop osed scientific basis for the treatment; and an analysis of outcome studies on the effectiveness of intervention.

* These units are currently under review.

Table 15.5 Bachelor of Health Science (Medical Radiation Technology)

Course Code *Mode of Offer*
2004 *Part-time, 2 years*

Part-time Mode

					Sem 1	Sem 2
Year 1						
SING4001	(20401)	The Nature of Health Care Delivery			3	-
SING4002	(20402)	Ethical Dimensions of Health Care Delivery-			3	-
SING4003	(20403)	Psychology of Teaching and Learning			3	-
SING4004	(20404)	Research Methods 1			3	-
SING4005	(20405)	The Legal Perspective			-	4
SING4006	(20406)	Patient/Client Education			-	4
SING4007	(20407)	Research Methods 2			-	4
			Stage	*Total* 24	*12*	*12*
Year 2						
SING4008	(20408)	Pathophysiology			3	-
SING4009	(20409)	Sociology of Work and Organisations			3	-
SING4010	(20410)	Financial Management in the Health Services			3	-
SING4011	(20411)	Sociology of Client/Practitioner Relationships			-	4
SING4021	(20421)	Department Design and Safety Issues			3	-
SING4022	(20422)	Computer Communications in Medical Radiation Technogy			-	4
SING4023	(20423)	Management of Equipment Selection			-	4
			Stage	*Total* 24	*12*	*12*

Note: Students may be granted credit for prior learning.

Bachelor of Health Science (Medical Radiation Technology)

Admission requirements

Applicants should possess:

i) a Diploma in Radiography from Nanyang Polytechnic, Singapore, with A level entry,
AND
ii) a minimum of one year medical radiation technology clinical practice,
OR
ii) a Diploma of the College of Radiographers (Singapore) or equivalent,
AND
iii) a minimum of three years medical radiation technology clinical practice after graduation.

Unit Descriptions

Note: For descriptions of units SING4001 to SING4011 see previous entry under Bachelor of Health Science (Nursing)

SING4021 (20421) Department Design and Safety Issues
Semester 1 - 3 credit points
This unit provides students with the opportunity to examine the physical structure of departmental design including radiation safety. Occupational health and safety issues for staff and patients will be examined.

SING4022 (20422) Computer Communications in Medical Radiation Technology
Semester 2 - 4 credit points
This unit provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care procedures. Concepts including PACS, DICOM, RIS, tele-radiology and record and verify systems will be discussed. This module also provides students with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation Department.

SING4023 (20423) Management of Equipment Selection
Semester 2 - 4 credit points
This unit provides students with an understanding of equipment selection and the ongoingrequirements of quality assurance programs. The needs assessment, equipment acquisition, commissioning and methods of implementing anongoingQAprogramwillbepresented. Thismodulehas fifteen non-teaching hours to enable practical application of theory taught.

Table 15.6 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*

			Sem 1	Sem 2
BEHS3073	(103C6)	Behavioural Science IIIA	5	-
BEHS3074	(103C7)	Behavioural Science IIIB	-	3
MRTY2037	(18237)	Radiation Protection	1	-
MRTY2038	(18238)	Radiation Biology	-	1
MRTY3037	(18337)	Image Processing A	2	-
MRTY3038	(18338)	Image Processing B	-	1
MRTY3057	(18357)	Field Project A	4	-
MRTY3058	(18358)	Field Project B	-	11
Diagnostic Radiography				
MRTY3039	(18339)	Sonography A	2	-
MRTY3040	(18340)	Sonography B	-	2
MRTY3041	(18341)	Imaging IIA	4	-
MRTY3042	(18342)	Imaging IIB	-	2
MRTY3043	(18343)	Radiography IIA	4	-
MRTY3044	(18344)	Radiography IIB	-	2
MRTY3032	(18332)	Radiographic Pathology II	-	2
MRTY3033	(18333)	Contrast Media	2	-
Radiation Therapy				
MRTY3049	(18349)	Radiation Therapy IIA	5	-
MRTY3050	(18350)	Radiation Therapy IIB	-	3
MRTY3051	(18351)	Radiotherapy Physics IIA	2	-
MRTY3052	(18352)	Radiotherapy Physics IIB	-	2
MRTY3053	(18353)	Principles of Oncology A	2	
MRTY3054	(18354)	Principles of Oncology B	-	2
MRTY3034	(18334)	Radiation Therapy Project	2	2
		Stage Total	*48*	

Bachelor of Health Science (Medical Radiation Technology)

This program is a one year conversion course that leads to aBachelor 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 to approval by the Head of School, such approval may require additional areas of study.*

* subject to final approval.

Course Outline

The program outline for the one year Bachelor of Health Science (Medical Radiation Technology) conversion course is presented in Table 15.6.

Unit Descriptions

BEHS3073 (103C6) Behavioural Science IIIA
Semester 1-5 credit points
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.

BEHS3074 (103C7) Behavioural Science 1MB
Semester 2 - 3 credit points
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.

MRTY2037 (18237) Radiation Protection
Semester 1 -1 credit point
This unit provides a study of the safe uses of ionising radiation in medicine. Issues of monitoring, shielding and Australian radiation legislation are addressed.

MRTY2038 (18238) Radiation Biology
Semester 2-1 credit point
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.

MRTY3037 (18337) Image Processing A
Semester 1-2 credit points
This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY3038 (18338) Image Processing B
Semester 2- 1 credit points
This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY3057 (18357) Field Project A
Semester 1 -1 credit points
This unit comprises one module on a clinically related unit such as quality assurance.

MRTY3058 (18358) Field Project B
Semester 2 -10 credit points
This project comprises a number of modules on clinically related unit such as department design and safety issues, and computer communication and management.

MRTY3039 (18339) Sonography A
Semester 1 - 2 credit points
This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY3040 (18340) Sonography B
Semester 2 - 2 credit points
This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY3041 (18341) Imaging IIA
Semester 1 - 4 credit points
This unit complements Imaging and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY3042 (18342) Imaging MB
Semester 2- 2 credit points
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.

MRTY3043 (18343) Radiography IIA
Semester 1 - 4 credit points
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, p aediatric 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.

MRTY3044 (18344) Radiography IIB
Semester 2- 2 credit points
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 aspatient 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.

MRTY3032 (18332) Radiographic Pathology II
Semester 2 - 2 credit points
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.

MRTY3033 (18333) Contrast Media
Semester 1-2 credit points
This unit provides the student with fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis onintravascular contrast media. The mechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY3049 (18349) Radiation Therapy IIA
Semester I - 5 credit points
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.

MRTY3050 (18350) Radiation Therapy MB
Semester 2 - 3 credit points
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.

MRTY3051 (18351) Radiotherapy Physics IIA
Semester 1 - 2 credit points
This is the third of four units which cover the physical principles of the useofionisingradiationinradiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY3052 (18352) Radiotherapy Physics MB
Semester 2 - 2 credit points
This is the last of four units which cover the physical principles of the use of ionisingradiationinradiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY3053 (18353) Principles of Oncology A
Semester 1 - 2 credit points
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.

MRTY3054 (18354) Principles of Oncology B
Semester 2 - 2 credit points
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.

MRTY3034 (18334) Radiation Therapy Project
Semester 1-2 credit points
Semester 2 - 2 credit points
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.

Table 15.7 Bachelor of Health Science (Occupational Therapy)

Course Code *Mode of Offer*
1535 *Full-time; Semester 1 + Inter-semester break*

				Sem 1	Sem 2
BEHS4028	(10467)	Sociology Elective		2	-
OCCP4046	(154B1)	Components of Occupational Performance		4	-
OCCP4045	(154B0)	Occupational Therapy Theory & Process IVA		2	-
OCCP4042	(154A7)	Occupational Therapy Theory & Process IVB		2	-
OCCP4047	(154B2)	Human Occupations		2	-
OCCP4038	(154A3)	Evaluation of Occupational Therapy Programs		1	2
OCCP4039	(154A4)	Elective Study		3	-
OCCP4037	(154A2)	Fieldwork Education		-	6
		Stage Total	*24*	*16*	*8*

Bachelor of Health Science (Occupational Therapy)

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 a 'A level entry' Diploma in Occupational Therapy awarded by the Nany ang Polytechnic in Singap ore, 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 15.7.

Unit Descriptions

BEHS4028 (10467) Sociology Elective
Semester 1 - 2 credit points
Students will be required to choose one sociology option. Electives may include: Women's health issues; sexuality and society; health and the state; community, lifecycle and care; sociology of sport and leisure.

OCCP4046 (154B1) Components of Occupational Performance

Semester 1-4 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.

OCCP4045 (154B0) Occupational Therapy Theory & ProcessIVA

Semester 1-2 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.

OCCP4042 (154A7) Occupational Therapy Theory & Process IVB

Semester 1 - 2 credit points

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.

OCCP4047 (154B2) Human Occupations

Semester 1 - 2 credit points

This unit provides students with the opportunity to choose a relevant unit, e.g. Management of children with learning disorders, from Human Occupations IV (OCCP4060).

OCCP4038 (154A3) Evaluation of Occupational Therapy Programs

Semester 1 -1 credit points

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(154A4) Elective Study

Semester 1 - 3 credit points

This unit provides students the opportunity to choose a relevant unit in Semesters 1 one 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.

OCCP4037 (154A2) Fieldwork Education

Intersemester break - 6 credit points

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.

Table 15.8 Bachelor of Health Science (Physiotherapy)

Course Code — *Mode of Offer*

1650 — *Full-time; 1 year*

Study Preparation Program - 5 weeks pre-semester

			Sem 1	Sem 2
Weeks 1-8 only (Audit program - Attendance strongly recommended)'				
BEHS3067	(103B9)	Research Methods: Data Analysis	-	
*Weeks 1-3 only Year 3 units (Audit program - Attendance strongly recommended)**				
BIOS3019	(11374)	Body Systems III	Lectures only	
EXSS3009	(22309)	Applied Physiology	Lectures only	
PHTY3019	(16320)	Physiotherapy in Neurology II		
PHTY3022	(16323)	Topics In Physiotherapy III		
PHTY3029	(16330)	Cardiopulmonary Physiotherapy II		
PHTY3030	(16331)	Musculoskeletal Physiotherapy III		

BEHS4022	(10457)	Health, Medicine and Society		2	-
BEHS4035	(10479)	Health Psychology		2	-
PHTY4016	(16444)	Physiotherapy in Neurology III		1	2
PHTY4048	(164C9)	Topics in Physiotherapy IV		-	3
PHTY4055	(164F4)	Musculoskeletal Physiotherapy IV		-	2
PHTY4056	(164F5)	Research and Investigation II		1	1
PHTY4057	(164F6)	Research and Investigation III		1	3
PHTY4059	(164F8)	Clinical Education IIIB**		8	-
PHTY4060	(164F9)	Clinical Education HIC**		-	12
PHTY4061	(164G0)	Cardiopulmonary Physiotherapy III		1	1
		Stage Total	*40*	*16*	*24*

* These students will be considered with Group B for clinical education placements.
** See Chapter 14 for descriptions for these units.

Bachelor of Health Science (Physiotherapy)

The conversionprogram 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 program outline for the one year Bachelor of Health Science (Physiotherapy) conversion course is presented in Table 15.8.

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.

Unit Descriptions

BEHS4022 (10457) Health, Medicine and Society
Semester 1 - 2 credit points
This unit provides the basis for an understanding of emergent social issues relevant to physiotherapy and the relationship between health, medicine and society. It will cover health care in the pre-industrial societies and the Third World, cross-cultural views of health and illness, lay and expert interpretations of health and disease, the rise of western medicine, professionalism and bureaucratisation, health care organisations, division of labour in health care, alternative practitioners and holistic health, sexuality, the body and health, evaluating health care services and community care.

BEHS4035 (10479) Health Psychology
Semester 1 - 2 credit points
This unit looks at behaviours which affect health, illness and recovery and involves areas such as: anxiety and health, mental phobias, obsessions and compulsions, social anxiety, cognitive and behavioural management of anxiety (assertiveness, cognitive restructuring, modelling, desensitisation), pain and injury, acute and chronic pain, behavioural pain management programs, component analysis, paediatric pain; intellectual disability: diagnosis and assessment, specific cognitive impairments, behaviour problems and their management, normalisation and deinstitutionalisation; reaction to onset of illness and disability, attitudes of the able bodied and professionals to disability, strategies for changing negative attitudes, death and bereavement, medical and social aspects of childbirth, problems of particular disability groups, implications for rehabilitation.

PHTY4016 (16444) Physiotherapy in Neurology III
Semester 1 -1 credit point
Semester 2 - 2 credit points
This unit continues to examine the theoretical base for clinical intervention. It provides the opportunity for students to further develop their skill in relation to problems associated with lesions of the nervous system. The importance of modifying the environment to ensure that it either facilitates or inhibits specific behaviours will be examined in depth.

PHTY4048 (164C9) Topics in Physiotherapy IV
Semester 2 - 3 credit points
Students will continue their study of professional issues and the health needs of selected populations. The unit will be taught in four strands. These include: Professional Practice; Occup ational Health; Chronic Pain and Illness; The Elderly.

PHTY4055 (164F4) Musculoskeletal Physiotherapy IV
Semester 2 - 2 credit points
This unit aims to further develop students' cognitive and practical skills necessary to competently manage patients presenting with more complex musculoskeletal disorders. Students will study practical and theoretical aspects of manipulative physiotherapy. This unit will enable students to integrate selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. A further aim of this unit is to continue developing the student's ability to evaluate and draw implications from the literature in the area of musculoskeletal physiotherapy.

PHTY4056 (164F5) Research and Investigation II

Semester 1-1 credit point
Semester 2 -1 credit point

In this unit students learn the skills required to prepare a research proposal. Students will work in small groups with a supervisor to develop a research proposal.

PHTY4057 (164F6) Research and Investigation III

Semester 1 -1 credit point
Semester 2 - 3 credit points

In this unit students will evaluate clinical trials in physiotherapy. Students will apply knowledge and skills gained in prior research units, as well as in the various areas of physiotherapy practice. Students will investigate an area of physiotherapy of their choice.

PHTY4059 (164F8) Clinical Education NIB

Semester 1 - 8 credit points

The student will complete a clinical placement in one of the following areas - neurological, cardiopulmonary, general or musculoskeletal physiotherapy with special emphasis on the management of p atients with spinal problems. Paediatric issues may be addressed in any of these areas.

PHTY4060 (164F9) Clinical Education IIIC

Semester 2 - 12 credit points

The student will complete a clinical placement in one of the following areas - neurological, cardiopulmonary, general or musculoskeletal physiotherapy with special emphasis on the management of patients withspinalproblems. Paediatric issues may be addressed in any of these areas.

PHTY4061 (164G0) Cardiopulmonary Physiotherapy III

Semester 1 -1 credit point
Semester 2 -1 credit point

This unit aims to further develop the student's understanding of cardiopulmonary dysfunction, the scientific basis for therapeutic intervention and the process of clinical decision making. Areas that will be addressed include the management of individuals with one or more of the following disorders - chronic/ acute airflow limitation, cardiovascular disease, respiratory muscle dysfunction, cardiac and lung transplantation. There is an emphasis throughout the unit on self-directed learning and skills inpresenting justification for clinical intervention.

16 Clinical Education (Fieldwork/ Professional Experience)

The term clinical education refers to the supervised practice of professional skills and it is especially appropriate to courses which are largely clinically based. Professions which offer services in a more social or a non-clinical context have adopted terms such as professional experience and fieldwork to describe supervised practice.

Clinical education is an integral part of the overall learning experience for students in all undergraduate and some graduate courses offered in the Faculty of Health Sciences. In undergraduate courses, students can expect to spend between 25 - 40% of their total course hours in clinical education. The purpose of clinical education is to provide students with opportunities to integrate knowledge and skills at progressively higher levels of performance and responsibility during the course. Under the supervision of qualified practitioners, students seek to apply theories and scientific findings, learned in their academic study, and develop their skills through interaction with clients and practitioners. Clinical education also provides students with situations in which to practise interpersonal skills and develop characteristics essential to productive working relationships. It also provides an opportunity for students to develop clinical reasoning skills, management skills and as well to master techniques that develop competence at the level of a beginning practitioner.

Clinical education is provided in a variety of settings reflecting the current trends for the profession concerned. The facilities include hospitals, government agencies, schools, community health centres, private health agencies, private practice, and on-campus clinics. The settings may be located in metropolitan and rural areas of New South Wales and, occasionally, interstate and overseas.

The timing and structure of clinical education will vary according to School preferences. Patterns include day-release programs during the semester, clinical simulation in the classroom, and periodic block placements.

Students should be aware of the patterns of clinical education for their course as the timing and structure of clinical education affect the exact length of courses and vacation time.

Arrangement of Clinical Education

Clinical education is arranged by negotiation between staff of the respective School, acting as clinical co-ordinators, and the directors of the individual clinical settings. The School negotiates the standard, type of experience, and number of student places to be offered. In most cases, formal agreements are signed between the University and the placement facility. In some instances, the arrangements are informal, reflecting the mutual dependency of health and education in providing academically and clinically competent health professionals to meet the challenges confronting them in delivering quality health services in a complex society.

Assessment of Students

Students are expected to take an active responsibility for their own education by identifying their own learning needs, assisting the supervisor in planning and implementing the learning experiences, being familiar with and adhering to procedures and rules laid down by the University and the affiliating centre, and in evaluating their own performance. The clinical supervisor performs the role of teacher, facilitator, co-ordinator and professional role model. Supervision may be conducted by School staff, or by practitioners expert in their professional area. The nature of the assessment varies across Schools but usually includes a student evaluation by both the supervisor and the student, the satisfactory completion of a specified number of hours, as well as a variety of assignments including case studies, essays, verbal presentations, and practical examinations. The clinical education subject may be assessed on a graded scale or on a Pass/Fail basis.

Rules Applying to Clinical Education

In all clinical situations, the welfare of the client is paramount. The client's dignity and rights to privacy and confidentiality must be respected at all times. Students who do not comply with the rules governing ethical practice may be removed from the clinical placement.

During clinical affiliations, the student is expected to conform with the normal professional conduct required by the host institution. In some institutions, the wearing of uniforms and identification badges is demanded, while in other facilities a less formal attire is acceptable. Students should consult the section of the Handbook, relating to clinical education subject for their particular course, for information relating to uniforms and name badges.

There are a number of rules and conditions applying to students regarding the amount of clinical education, the timing of it, the selection of sites, and types of experiences required. These rules have implications for progression in the course and acceptance into the relevant profession after graduation.

Students should consult the relevant Handbooks of their Schools for such rules and details of the Clinical Education/Fieldwork/ Professional Experience Program.

Students should note that the Faculty has resolved as follows:

"Candidates for any (degree, diploma or certificate) whose conduct or work towards their award is unsatisfactory may, on the recommendation of the Head of School/Department concerned, be refused permissionby the Faculty to undertake or continue the Clinical Educational Fieldwork/Professional Experience) component of their award."

Clinical Practice Dates

Please refer to Clinical Practice Dates listed under each course.

Insurance Coverage for Students on Fieldwork

The University has inplace a public liability and professional indemnity policy which extends to protect students from claims made against them which arise out of any negligent act, error, or omission on the part of the student during such fieldwork. The territorial limit for this coverage is worldwide with the exception of U.S. A. and Canada where the coverage may be limited. The Properties Services Division should be advised if fieldwork is to be undertaken inU.S.A. or Canada.

Other Relevant Policies

The University has a personal accident policy covering postgraduate students against accidental bodily injury, providing death and capital benefits, as well as a weekly benefit whilst disabled. The Students' Representative Council of the University maintains a similar policy for undergraduates.

Information on Infectious Diseases for Students and Clinical Teachers

Infectious diseases are of concern to all those working in clinical settings. Whilst an understanding of the transmission of diseases such as AIDS, hepatitis and tuberculosis is particularly important, all students and clinical teachers must acquaint themselves with information about the potential dangers of all communicable diseases likely to be experienced in Australia. They should be aware of sources of infectious micro-organisms, their modes of transmission and the ways of reducing the risk of infection to self, p atients and others.

iDetailed information on this subject is contained in the documents such as "Infectious Disease and You" published by the Faculty. A copy may be obtained from the Student Administration Services Division (Cumberland).

JEurther information about infectious diseases is available, in confidence, from the Faculty adviser, Ms Neryla Jolly, Head, School of Orthoptics (9 351 9250).

Counselling Support for Students on Clinical Placements

Students who feel that they have any personal /family issues which may impact negatively on their performance on clinical placements should contact either their Clinical Co-ordinator for referral to the Counsellor or may approach the Counsellor at Cumberland directly. The Counselling service at Cumberland is both **FREE** and **CONFIDENTIAL** and **students are encouraged to ask for help as early as possible before their placements begin.** The Counsellor can also provide support for students already on placements who find they are having problems with after hours appointments or by telephone. Typical problems for students on clinic include balancing work and family, stress, interpersonal relationships, supervisor - student relations, anxiety about the workplace etc. The Counsellor is located at Room A005 in A Block and appointments can be made by using the booking sheet there or by calling the Counsellor on 9 351 9473.

School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to the clinical education program December 1996 - December 1997 of the following agencies.

Public Hospitals

Metropolitan

Auburn Hospital
Balmain Hospital
Bankstown/Lidcombe Hospital
Blacktown Hospital
Campbelltown Hospital
Canterbury Hospital
Concord Hospital
Hornsby Kuringai Hospital
Liverpool Hospital
Mt Druitt Hospital
Nepean Hospital
New Childrens Hospital
Prince Henry Hospital, Little Bay
Prince of Wales Hospital, Randwick
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Ryde Hospital
St George Hospital, Kogarah
St Josephs Hospital, Auburn
War Memorial Hospital, Waverley
Westmead Hospital
Braeside Hospital
Royal Ryde Rehabilitation
Westmead Brain Injury Unit

Public Hospitals

Country/Interstate

Alice Springs Hospital/Central Aust Rehab
Armidale Hospital
Campbelltown Hospital
Gosford Hospital
Launceston Hospital
Lismore Base Hospital
Lottie Stewart Hospital
Royal Hobart Hospital
Royal Newcastle Hospital
Tamworth Base Hospital
The Canberra Hospital
Wollongong Hospital
Wyong Hospital
Newcastle BIU
Darwin Rehabilitation Centre
Tamworth BIU

Overseas

Glasgow Yorkhill WHS
Singapore General Hospital
The Childrens Centre, Southport UK

Department of Health

Armidale Community Health Centre & Need Centre
Bankstown Community Health Centre
Burwood Community Health Centre
Cairns Community Health Centre
Coffs Harbour Community Health Centre
Hurstville Community Health Centre
Kingswood Community Health Centre

Manilla Community Health Centre
Menai Community Health Centre
Mt Druitt Community Health Centre
Rockdale Community Health Centre
Tamworth Community Health Centre
The Hills Community Health Centre

Department of Family and Community Services
Bankstown Department of Community Service
Eastern Sydney Developmental Disability Service

Community Agencies and Private Organisations
Alice Betteridge School, North Rocks
Spastic Centre, Fairfield

Other Organisations
Catholic Schools Office, Waitara
Sutherland Early Intervention Program
ED Department Darwin
Barrington Support Service, TAS

School of Community Health

The School of Community Health wishes to acknowledge the following organisations for their contribution to the 1996 Field Experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) / and the Associate Diploma, Bachelor Degree, Graduate Diploma and Master Courses in Rehabilitation Counselling.

Aboriginal Health and Community Development

Hospitals
Aboriginal and Islander Health, Townsville, QLD
Anton Breinl Centre, Townsville, NSW
Banksia Mental Health Unit, Tamworth Hospital, Tamworth, NSW
Department of Social Work, Royal Alexander Hospital, Camperdown, NSW
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, S.A
Redfern Aboriginal Medical Service, Redfern, NSW
Tharawal Aboriginal Medical Service, Campbelltown, NSW
Urapuntje Health Services, Utopia via Alice Springs, NT
Walgett Aboriginal Medical Service, Walgett, NSW
Wellington Aboriginal Medical Service, Wellington, NSW
Wuchoppen Medical Service, Cairns, QLD

Community Health Centres
Aboriginal & Islander Community Health Centre, North Sradbroke Is., QLD
Aboriginal and Islander Community Health Service, Brisbane, Woolloongabba, QLD
Aboriginal and Islander Community Health Service Ipswich, Ipswich, QLD
Aboriginal Community Health, Redfern, NSW
Bega Community Health, Bega, NSW
Community and Allied Health Services, Liverpool, NSW
Community Health Centre, Kempsey, NSW
Community Health Centre, Moruya, NSW
Community Health Centre, Warrawong, NSW
Community Health Tweed Heads, Tweed Heads, NSW
Community Health, Eden, NSW
Community Health, Thursday Island, QLD
Darlinghurst Community Health, Darlinghurst, NSW
Early Childhood Centre, Glebe, NSW
Griffith Community Health Centre, Griffith, NSW
Hoxton Park Community Health Centre, Hoxton Park, NSW
Macksville Community, Macksville, NSW
Narooma Community Health, Narooma, NSW
Orana Far West Region Community Health, Dubbo, NSW
Primary Health Care, Coffs Harbour, NSW
Primary Health Services, Coffs Harbour, NSW
St. Pauls Community Health, Via Thursday Island, QLD
Thursday Island Community Health, Thursday Island, QLD
Toomelah Health Centre, Boggabilla, NSW
Townsville Aboriginal and Islander Community Health Service, Townsville, QLD
Tumet Community Health, Tumet, NSW
Wagga Community Health Centre, Wagga Wagga, NSW
Walhallow Primary Health Post, Caroona, NSW

Drug and Alcohol Services
Aboriginal Co-ordinating Council, Cairns, QLD
Bennalong Haven, Kinchela, NSW
Doonoch, Nowra, NSW
MASH, Moree, NSW
Moree Aboriginal Sobriety House Aboriginal Corporation, Moree, NSW
Oolong Aboriginal Corporation, Nowra, NSW
Orana Haven Aboriginal Corporation, Brewarrina, NSW
Tara Lodge, James Flecher Hospital, Newcastle, NSW

Aboriginal Corporations
Aboriginal and Torres Strait Islander Corporation for Women, Woolloongabba, QLD
Aboriginal Corporation for Homeless and Rehabilitation Services, Summerhill, NSW
Basin Flat Cottage, Via West Kempsey, NSW
Batemans Bay Aboriginal Corporation, Batemans Bay, NSW
Blacktown Aboriginal Corporation, Blacktown, NSW
Boree Aboriginal Corporation, Orange, NSW

Broken Bay Aboriginal Corporation, Wyong, NSW
Bulgarr Ngaru Medical Aboriginal Corporation, Grafton, NSW
Campbelltown and District Aboriginal Corporation, Campbelltown, NSW
Central Southern Aboriginal Corporation for Management and Accounting Services, Wagga Wagga, NSW
Eastern Zone Gujaga Aboriginal Corporation, Matraville, NSW
Gadigal Information Services, Aboriginal Corporation, Strawberry Hills, NSW
Illawarra Aboriginal Medical Service Aboriginal Corporation, Wollongong, NSW
Ivanhoe Aboriginal Corporation, Ivanhoe, NSW
Kalumburu Aboriginal Corporation, Kimberely, WA
Katungul Aboriginal Corporation (Community and Medical Services), Narooma, NSW
La Perouse Community Development Corporation, Matraville, NSW
Munjuwa Aboriginal Corporation, Queanbeyan, NSW
Riverina Medical and Dental Aboriginal Corporation, Wagga Wagga, NSW
St. Clair Aboriginal Corporation, Singleton, NSW
Twofold Aboriginal Corporation, Eden, NSW
Urimbirra Aboriginal Corporation, Bonnyrigg, NSW
Wagga Advancement Aboriginal Corporation, Wagga Wagga, NSW
Waminda South Coast Women's Health Aboriginal Corporation, Nowra, NSW
Weimija Aboriginal Corporation, Broken Hill South, NSW
Willow Bend Aboriginal Corporation, Condobolin, NSW
Wreck Bay Aboriginal Corporation,, ACT
Yarrawarra Aboriginal Corporation, Coffs Harbour, NSW

Aboriginal Organisations

Aboriginal and Islander Child Care, Brisbane, QLD
Aboriginal and Islander Health Workers Journal, Matraville, NSW
Aboriginal Birthing Project, Port Augusta, SA
Aboriginal Business Enterprise Centre, Randwick, NSW
Aboriginal Dance Theatre, Strawberry Hills, NSW
Aboriginal Family Care Community Organisation, Bodalla, NSW
Aboriginal Hostels, Darlinghurst, NSW
Aboriginal Housing Company, Strawberry Hills, NSW
Aboriginal Legal Service, Blacktown, NSW
Aboriginal Legal Service, Strawberry Hills, NSW
Aboriginal Media Unit, Surry Hills, NSW
Aboriginal Student Support Parent Association Committee, Batemans Bay, NSW
ATSIC, Dubbo, NSW
Barriekneal Housing Company, Lightning Ridge, NSW
Batemans Bay Koori Centre, Batemans Bay, NSW
Bodella Aboriginal Housing Company LTD, Bodella, NSW
Boomanulla Oval, Narrabundah, ACT
Browns Flat Aboriginal Corporation, Nowra, NSW
Central Coast Aboriginal Health Action Group, Gosford, NSW
Cobar Aboriginal Advancement Association, Cobar, NSW
Gullama Aboriginal Services Centre, Alexandria, NSW
Gunaana Inc, Dubbo, NSW
Illawara United Aboriginal Corporation for Sport and Recreation, Wollongong, NSW
Innovative Youth Programme, Wooloongabba, QLD
Karringal Youth Crisis Centre, Croydon, NSW
Korri Aged Community Care, Narooma, NSW
Moree Aboriginal Legal Service, Moree, NSW
Mundarra Aboriginal Youth Service, Mt. Druitt, NSW
Murawina Mt. Driutt Aboriginal Child Care Program, Mt. Druitt, NSW
Murawina Multi Purpose Aboriginal Education Centre, Redfern, NSW
Pjunju, Minto, NSW
Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
Queanbeyan Aboriginal Legal Service, Queanbeyan, NSW
Rose Mumbler Village, Nowra, NSW
South Coast Aboriginal Centre, Nowra, NSW
South Coast Aboriginal Centre, Nowra, NSW
South Coast Aboriginal Legal Service, Nowra, NSW
South Coast Youth Movement Aboriginal Corporation, Nowra, NSW
Sydney Institute of Technology Eora Centre for Aboriginal Studies - Visual and Performing Arts, Chippendale, NSW
Towri Multi Functional Aboriginal Children's Service Centre, Bathurst, NSW
Wee Waa CDEP, Wee Waa, NSW
Wunabiri Pre-School Kindergarten, Surry Hills, NSW
Yalga Bimbi, Cairns, QLD
Yinganeh Womens Refuge, South Lismore, NSW

Community Organisations & Services

A Woman's Place, Potts Point, NSW
Aboriginal and Torres Strait Islander Commission State Office, Sydney, NSW
Aboriginal Children's Service, Redfern, NSW
Aboriginal Childrens Service (St. Marys Branch), St. Marys, NSW
Aboriginal Health Resource Co-op Ltd., Strawberry Hills, NSW
Aboriginal Health, North Sydney, NSW
Amaru Skill Share Provider, Campbelltown, NSW
Armidale Shelter, Armidale, NSW
Australian Museum, Sydney, NSW
Campbelltown Police Station, Campbelltown, NSW
Central Coast Division of General Practice, Gosford South, NSW
Department of Social Services, Nowra, NSW
Home Care Dubbo, Dubbo, NSW
Home Care Service, Armidale, NSW
Home Care, Central Coast Branch, Wyong, NSW
Home Care, Mt. Druitt, NSW
Kirketon Road Centre, Kings Cross, NSW
Koori Unit, SBS Television, Crows Nest, NSW
Marcia's Woman's Refuge, Campbelltown, NSW
NSW Police Department, North Region, Gosford, NSW
NSW Police Department, North West Region, Parramatta, NSW
NSW Police Department, 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

Rehabilitation Counselling

Public Hospitals and Community Health Services

Metropolitan

Blacktown Mental Health Team
Botany Community Health Centre, Mental Health Team
Chatswood Mental Health Outreach Team
Glebe Community Health Centre
Herbert St Drug and Alcohol Services
Merrylands Community Health Centre
Penrith Living Skills Centre
Royal North Shore Hospital Pain Clinic
Royal North Shore Sexual Health Clinic
Ryde Hospital and Community Health Services
Sydney Hospital Sexual Health Clinic
Westmead Hospital Brain Injury Unit

Country

Cooma Community Health Centre, Mental Health Team
Southwest Brain Injury Rehabilitation Service, Albury
Tamworth Base Hospital

Private Hospitals

St Edmonds Private Hospital
"Carrawarra" Brain Injury Unit, St John of God Hospital, Goulburn

Commonwealth Government Departments and Agencies

Commonwealth Rehabilitation Service

Metropolitan Units

Ashfield; Bankstown; Blacktown; Darlinghurst; Dee Why; Epping; Granville South; Granville Vocational Unit; Hurstville; Liverpool; Maroubra; Miranda; Mt Druitt; Parramatta; Rockdale

Country/Interstate Units

Albury; Armidale; Dubbo; Gosford; Lismore; Maroochydore, Qld; Moree; Newcastle; Port Macquarie; Queanbeyan; Southport, Qld; Tamworth; Toowong, Qld; Wollongong; Wyong

Community Agencies and Private Organisations

Metropolitan

Active Employment Parramatta
Amputee Association, Greenacre
ANCORW, Auburn
ARAFMI
Australia Post
Bosnian Information and Welfare Centre, Lidcombe
Burwood City Council
CARE Nautilus Project, Croydon
Combrook Pty Ltd
CMS Rehabilitation, Bankstown
Eastern Suburbs Learning Centre
Epilepsy Association
GROW
ICLA, Bondi
Life After Prison Inc, North Parramatta
Mission Employment Mt Druitt
Multiple Sclerosis Society, Lidcombe
Natcover, Sydney City
NSW Ambulance Service
NSW Police Service
Occupational Health Professionals, Wetherill Park
Ozanam
Re-Employ, Liverpool
STARTTS, Fairfield
State Transit Authority
Sydney Employment Development Service
Syd-West Personnel, Parramatta
Vocational Capacity Centre, North Sydney
Wesley Life Skills: Bankstown, Croydon Park, Granville, Petersham
Westworks, Penrith
Women at Work
Work Directions Parramatta
Work Directions Sydney
Workers' Health Centre, Granville

Country/Interstate

Blue Mountains Disability Services, Springwood
CMS Rehabilitation, Newcastle
Headway Tasmania
Joint Coal Board, Singleton
Lotus Glen Correctional Centre, Mareeba Qld
Mission Employment Katoomba
Murrumbidgee & District Occupational Health & Rehabilitation Service, Gundagai
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 Health Information Management

The School of Health Information Management acknowledges the cooperation and support of the following institutions in the School'sProfessionalExperienceProgram.

Public Hospitals

Metropolitan

Balmain
Blacktown District
Blacktown/Mt Druitt Health, Mt Druitt Campus
Campbelltown
Canterbury
Cumberland, Parramatta
The New Children's Hospital, Westmead
Fairfield District
Hawksbury, Windsor
Hornsby Ku-Ring-Gai Hospital & Area Health Service
Liverpool
Manly Hospital & Community Health Services
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, Leichhardt
Ryde Hospital & Ryde-Hunters Hill Area Health Service
St George, Kogarah
St Vincent's, Darlinghurst
Sutherland Hospital Caringbah
Sydney

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 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

Overseas
Hospital Authority, Hong Kong
Green Lane National Womens Hospital, Auckland NZ
UCLA Medical Center, Los Angeles

Private Hospitals and Nursing Homes
Kareena Private
Holroyd Private
The Hills Private
St George Private
St Vincent's Private, Darlinghurst
Sydney Adventist, Wahroonga
The Poplars, Epping
Mater, Crows Nest
Newcastle Mater, Waratah
Hurstville Community Cooperative, Hurstville
Strafhfield Private
St. Margaret's Private, Darlinghurst
The Scottish Hospital, Paddington

Commonwealth/State Government Departments and Agencies
Central Cancer Registry
Central Coast Area Health Service, Gosford
Central Sydney Health Service, Camperdown
Central West Regional Office, Peak Hill
Cumberland Developmental Disability Service
Department of Community & Health Services, Hobart
Department of Health (NSW), Health Statistics Unit
Hunter Area Health Service, Newcastle
National Centre for Classification in Health
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana & Far West Regional Office, Dubbo
South East Regional Office, Goulburn
South West Regional Office, Wagga

Other Organisations
Commonwealth Bank Health Care of Australia
Health Information Management Association of Australia, North Ryde
NHMRC Clinical Trials Centre, The University of Sydney
Veterinary Teaching Hospital, The University of Sydney
3M Health Care Group
Rolls Printing, Bondi
Prime Care Pty Ltd

School of Medical Radiation Technology

The School of Medical Radiation Technology would like to recognise the following clinical centres for their invaluable assistance in the clinical education program.

Diagnostic Radiography
Border Medical Imaging, Albury
Alice Springs Hospital, Alice Springs
Armidale Radiology, Armidale
Ashfield Medical Imaging, Ashfield
Auburn District Hospital, Auburn
Auburn Diagnostic Centre, Auburn
Auburn Ultrascan, Auburn
Bankstown Day Surgery And Specialist Centre, Bankstown
Bankstown District Hospital, Bankstown
Bankstown X-Ray & Ultrasound, Bankstown
Dr K Neale, Bathurst
Bathurst Base Hospital, Bathurst
Baulkham Hills Private Hospital, Baulkham Hills
Bega Hospital, Bega
Act X-Ray Services, Belconnen
Belmont Hospital, Belmont
Blacktown Radiology, Blacktown
Blacktown District Hospital, Blacktown
Blacktown X-Ray Centre, Blacktown
Sydney X Ray, Bondi Junction
Bourke Hospital, Bourke
Broken Hill Hospital, Broken Hill
Calvary Hospital, Bruce
Bulli District Hospital, Bulli
South West Imaging, Cabramatta
Camden Hospital, Camden
Campbelltown Hospital, Campbelltown
Lim & Associates, Campbelltown
Royal Prince Alfred Hospital, Camperdown
Canterbury District Hospital, Campsie
Campsie Imaging, Campsie
Sutherland Hospital, Caringbah
Caringbah C T, Caringbah
Castle Hill Radiology Centre, Castle Hill
Cessnock District Hospital, Cessnock
Coffs Harbour District Hospital, Coffs Harbour
Concord Repatriation General Hospital, Concord
St Vincent's Hospital, Darlinghurst
St Vincent's Private Hospital, Darlinghurst
John James Hospital, Deakin
Dee Why X-Ray And Ct, Dee Why
Dubbo Base Hospital, Dubbo

Orana Radiology, Dubbo
Eastwood X Ray Centre, Eastwood
Act X-Ray Services, Erindale
Fairfield X-Ray, Fairfield
Frenchs Forest X Ray, Frenchs Forest
Gold Coast Hospital, Gold Coast
Gosford District Hospital, Gosford
Gosford Radiology Centre, Gosford
Goulburn Hospital, Goulburn
Clarence Valley Imaging, Grafton
Grafton Base Hospital, Grafton
City Medical Imaging, Haymarket
Hornsby & Ku-Ring-Gai Hospital, Hornsby
Hurstville X-Ray & Ultrasound, Hurstville
Blue Mountains District Hospital, Katoomba
Kempsey Hospital, Kempsey
St George Hospital, Kogarah
St George Imaging Centre, Kogarah
Lakemba X Ray Centre, Lakemba
Launceston General Hospital, Launceston
Lidcombe Hospital, Lidcombe
Lismore Base Hospital, Lismore
North Coast Radiology, Lismore
Lithgow District Hospital, Lithgow
Liverpool Hospital, Liverpool
Rayscan Imaging, Liverpool
Ultrascan, Liverpool
Manly District Hospital, Manly
Merrylands X-ray Centre, Merrylands
Miranda Imaging, Miranda
Mona Vale Hospital, Mona Vale
Moree Hospital, Moree
Mt Druitt Hospital, Mt Druitt
Castlereagh Radiology, Mt Druitt
Ultrascan, Mt Druitt
John Hunter Hospital, Newcastle
Dr Whistler & Lee, Nowra
Parramatta Imaging, Nth Parramatta
Orange Base Hospital, Orange
Castlereagh Radiology, Penrith
Ultrascan, Penrith
Nepean Hospital, Penrith
Hastings District Hospital, Port Macquarie
Fairfield District Hospital, Prairiewood
Queenbeyan District Hospital, Queenbeyan
Act X Ray, Queenbeyan
Prince Of Wales Hospital, Randwick
Sydney X Ray, Randwick
Revesby X Ray Centre, Revesby
Riverstone X Ray Centre, Riverstone
Riverwood X Ray Centre, Riverwood
Ryde Hospital, Ryde
Shellharbour District Hospital, Shell Harbour
Royal North Shore Hospital, St Leonards
North Shore Medical Centre X-Ray, St Leonards
Strathfield Imaging Centre, Strathfield
Sutherland Hosptial, Sutherland
Sutherland Imaging Centre, Sutherland
Sydney Hospital, Sydney
Tamworth Base Hospital, Tamworfh
Manning Base Hospital, Taree
Townsville Hospital, Townsville
Sydney Adventist Hospital, Wahroonga
Port Kembla District Hospital, Warrawong
Dr Hudson & Partners, Wentworthville
Westmead Radiology Centre, Westmead
Westmead Hospital, Westmead
Royal Alexandra Hospital For Children, Westmead
Westmead X-Ray, Westmead
Wetherill Park X-ray Centre, Wetherill Park
Hawkesbury Hospital, Windsor
Brindabella Radiology, Woden
The Canberra Hospital, Woden
Wollongong Hospital, Wollongong
Illawarra Radiology, Wollongong
Wonoona X-ray, Wonoona

Radiation Therapy

Adventist Hospital
Liverpool Hospital
Prince of Wales Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital
St George Hospital
St Vincents Hospital
Sydney Radiotherapy and Oncology Centre
Westmead Hospital
Woden Valley Hospital
Wollongong Hospital

Nuclear Medicine

Allamander Priv. Hospital
Ashley Centre
Auburn Nuclear Medicine
Bankstown Lidcombe Hospital
Brisbane Waters Private Hospital
Burwood Nuclear Medicine
Central Coast Nuclear Medicine
Central West Nuclear Medicine
Dee Why Nuclear Medicine
Diagnostic Nuclear Medicine RPAH Medical Centre
Dr Reg Hutchinson, Bondi Junction
Dubbo Private Hospital
Guy's Hospital, UK
Holy Spirit Medical Imaging, Brisbane
Hornsby Hospital
Hornsby Kuringai Nuclear Medicine
Hurstville Community Cooperative Hospital
Illawarra Nuclear Imaging
John Hunter Hospital, Newcastle
Isotope Imaging, WA
John James Hospital, ACT
Launceston General Hospital, TAS
Liverpool Hospital
Mater Private Hospital
Missenden Medical Centre,
Nuclear Medicine and Ultrasound Associates, Penrith, Windsor, Castle Hill, Blacktown, Westmead
North Coast Nuclear Medicine
Nth Coast Radiology, Lismore
Orange Base Hospital
PET Centre, A7 RPAH
Port Macquarie Medical Imaging Hermitage Building
POWH
Queensland X ray Services
Repatriation General Hospital, Concord
Royal North Shore Hospital
Royal Brisbane Hospital

Royal Perth
Royal Prince Alfred Hospital
RPAH Medical Centre
Ryde Medical Centre
Sydney Adventist Hospital
Sir Charles Gardner Hospital, WA
South West Nuclear Medicine
St Andrews War Memorial Hospital, QLD
St George Hospital
St George Nuclear Imaging
St George Private Hospital and Medical Centre
St Vincent's Hospital
Standish Medical Centre, Nowra
Sutherland Nuclear Medicine
The Canberra Hospital
The New Childrens Hospital
Wales Medical Centre, Randwick
Western Nuclear Medicine Group, Fairfield
Westmead Hospital
Wollongong Hospital

School of Orthoptics

The School of Orthoptics acknowledges the following for their support in the School's Clinical Education Program.

Public Hospitals

Metropolitan
Blacktown
Concord Repatriation General
Lidcombe
Liverpool
Prince of Wales, Randwick
Ryde Rehabilitation & Geriatric Service
St George, Kogarah
St Vincent's, Darlinghurst
Sydney Eye, Wooloomooloo
The New Children's Hospital, Westmead
Westmead

Country/Interstate
Gosford District
Princess Alexandra, Woolloongabba
Repatriation & General, Daw Park, Adelaide
Repatriation & General, Greenslopes, Brisbane
Royal Brisbane
Wagga Wagga

Overseas
Auckland, New Zealand

State Government Departments and Agencies

Community Health Centres:
Kingswood
Western Sydney Developmental Disability Service, Marsden Campus

Community Agencies and Private Organisations

Alice Betteridge School
Royal Blind Society of NSW - Enfield, Newcastle & Canberra
Royal Far West Children's Health Scheme, Manly
Spastic Centre, Allambie Heights

Private Practitioners

Private Practices
S Brunner
J Cumines
A Macfarlane

Private Sponsored Practices
M Awad, Y Makdissi - Dr S Franks
K Bourne - Dr F Martin
P Britz - Drs M Manku, C Joneshart, W Porter
Dr C Challinor
M Courtney - Drs I Goldberg & G Cohn
JEllery-DrKChatfield
D Ferguson - Dr K Frumar
R Kay - Drs J Peters, J Dickson & C Thomas
R Keirnicki, K Pallett - Dr T Keldoulis
R Krikorian - Dr A Hunyor
R Lang - Drs C Baker, W Barnett & Moore
V Mercer - Drs D Sharota & L Dinihan
Dr W Muntz
J Richardson - Dr I Francis
M Rodkin - Gibb & Beeman, Optometrists
V Tosswill - M Strathdee
G van Beveren - Dr S Saunders

School of Occupational Therapy

The School of Occup ational Therapy wishes to acknowledge the following agencies for their valuable contribution to the 1997 Fieldwork Program for its students in the Bachelor of Applied Science (Leisure and Health) and the Bachelor of Applied Science (Occupational Therapy).

Aged Care Assessment Team, Kurri Kurri
Aged Community Service Team
"Aimees" Dementia Day Care Centre - Fairfield
Anglican Retirement Village - Castle Hill
Ashfield Community Health Centre
Auburn Aged Day Care Centre, Auburn
Auburn/Holroyd School Therapy Team - Guildford
Auburn Hospital
Aldersgate House Nuring Homes
Allowah Babies, Dundas
Alwyn Rehabilitation, Strathfield
Alice Betteridge School
Anna Maria Nursing Home, Putney
Armon Nursing Home, Petersham
Balmain Hospital
Banksia House
Bankstown Hospital
Bankstown Community Resource Team
Bankstown Community Health Centre
Bankstown Department of Community Services
Beecroft Nursing Home
Bethany Nuring Home, Eastwood
Bethel Nursing Home, Ashfield
Birdwood Road Day Care Centre, Georges Hall
Blacktown District Hospital
Blacktown City Mental Health Service
Blacktown Community Services Centre
Blacktown/Mt. Druitt Area Health Service
Bossley Park Nursing Home
Botany Community Health Centre
Braeside Hospital

Bridgeway House Living Skills Centre
Brookvale Living Skills Centre
Buckingham House - Surry Hills
Bundara Psychiatric Rehabilitation Service
Calvary Hospital (ACT)
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 n Campsie
Central Sydney Community Drug and Alcohol Service
Centacare Early Intervention Team
Chalmers Road Public School, Strathfield
Chatswood Community Health
Chatswood Community Nursing Home
Chatswood Day Centre
Chesalon Nursing Home, Jannali
Chester Hill Neighbourhood Centre
Child Health and Development Service
Commonwealth Government Departments and Agencies
Commonwealth Rehabilitation Service
Community Services Centres
Concord Hospital
Condell Park Residential Service
Convalescents, Camden
Crisis Assessment and Treatment Team, Newcastle
Croydon Living Skills Centre
Cumberland Hospital
Cumberland College
Dalcross Private Hospital - Killara
Department of Community Services
Developmental Disability Service - Mt Druitt
Dorothy Henderson Lodge, Marsfield
Dickson Day Centre, ACT
Dixson Unit Geriatric and Rehabilitation Unit - Ryde
Dubbo Base Hospital
Early Education Programme - Sydney City Mission
Eastern Suburbs Private Hospital - Randwick
Eastern Respite and Recreation
Early Intervention Team - Waverley
Edinglassie Retirement Village, Emu Plains
Ellamatta Lodge, Mosman
Endeavour Nursing Home, Springwood
Evesham Clinic, Cremorne
Eversleigh Hospital
Eversleigh Hospital - Palliative Care
Fairfield District Hospital - Rehabilitation Unit
Fairfield Living Skills
Frank Vickery Village, Sylvania
Frank Whiddon Masonic Homes, Glenfield
Garrawarra Centre for Aged Care
Gertrude Aboot Nursing Home, Surry Hills
Gladesville - Macquarie Hospital
Glebe Community Care Centre
Gowrie Village
Governor Phillip Special Hospital - Penrith
Government Departments and Agencies
Graithwaite Nursing Home
Greystanes Children's Home
Greenwich Hospital
Greenhouse Living Skills Centre
Guildford Neighbourhood Centre
Halinda School, Emerton
Hand in Hand, Waitara
Headway Adult Development Program - Bankstown
Hevington House Day Care, Auburn
Holroyd Disabilities Service
Hornsby Ku-Ring-Gai Hospital and Area Health Service
Hunter Aged Care Assessment Team
Independent Living Centre
Ingleburn Area Health
IRS Total Injury Management - North Parramatta
James Milson Nursing Home, Surry Hills
John Hunter Hospital
John Williams Therapy Centre - Wahroonga
Kalparrin, Concord Hospital - Ward 18
Kalinda Living Skills
Karradji - Ryde Community Mental Health - Eastwood
Kilbride Nursing Home, Campbelltown
Killarney Court Hostel
Kindilan Frail Aged & Respite Day Centre
Lady Davidson - North Turramurra
Lakes Rehabilitation Team
Laurel House - Parramatta
Leisure World Nursing Home/Moonby House Nursing Home, Peakhurst
Liverpool Department of Community Services
Liverpool Health Service
Liverpool Hospital
Liverpool Living Skills
Living Skills Centre - Wahroonga
Lottie Stewart Hospital - Dundas
Lower Hunter Community Health Centre
Lower North Shore Supported Housing Services - Castlecrag
Macarthur Home Modifications, Campbelltown
Macarthur Paediatric O.T., Camden
Maclean CHC MacLean Hospital
Macquarie Hospital
Manly Hospital and Community Health Service
Manly-Warringah Developmental Disability Service
Marsden Centre
Marsden Hospital
Marsh Occupational Health
Marrickville District School Therapy Team - Lakemba
Mater 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
N.S.W. Society for Children and Young Adults with Physical Disabilities
N.S.W. Department of Sport, Recreation and Racing

Our Lady of Consolation, Rooty Hill
Parkdale Nursing Home, Waverley
Pecky's Playground, Prospect
Penrith Community Services Centre
Prairewood Community Health Centre - Wetherill Park
Prince Henry Hospital-Little Bay
Prince of Wales Hospital - Randwick
Princess Juliana Lodge
Qualitec Ltd - Granville
Queenscliff Health Centre - Manly
Rachel Foster - Redfern
Rehabilitation Module - Marrickville
Redfern Community Health Centre
Rehabilitation Module, Marrickville
Rehabilitation Resource Team - Chatswood
Resolutions Health Management - Glebe
Restart Consulting - Double Bay
Royal Alexandra Hospital for Children
Royal Blind Society of NSW
Royal North Shore Hospital - St Leonards
Royal N.S.W. Institute of Deaf and Blind
Royal Prince Alfred Hospital - Camperdown
Royal Rehab Centre - Ryde
Rozelle Hospital
RSL Veterans' Village
RydalmereCentre(WesternSydneyDevelomental Disability Service)
Ryde Hospital and Ryde-Hunters Hill Area Health Service
Ryde Rehabilitation Centre
St George (Sacred Heart Hospice)
St George Division of Mental Health
St George Hospital - Kogarah
St George Living Skills
St George School., Rockdale
St Joseph's - Auburn
St Kevins School - Dee Why
St Vincent's Hospital - Darlinghurst
Sans Souci Retirement Hostel
Sacred Hearts Hospice
Sailability Australia
Shalom Hostel and Nursing Home for Aged, Marsfield
Sir Eric Woodward Special School
South Sydney Hospital
Southern Cross Homes, Merrylands
Southcare - Miranda
Southcare Community Rehabilitation Team - Sutherland
Spastic Centre of NSW
Stockton Centre
Strickland Villa, Prince of Wales Hospital
Sutherland Community Rehabilitation Team
Sutherland Hospital
Sutherland Living Skills Centre
Sydney Hospital Hand Unit
Sydney Hospital Occupational Health & Safety
Sylvania Community Health Centre
Sylvania School, Kirrawee
Technical Aid to the Disabled - Ryde
The Autistic Association
The Clubhouse, Balgowlah
The Cottage Family Care Centre - Campbelltown
The Hills Community Health Centre - Castle Hill
The Hills District School for Special Purposes, Northmead
The Greenhouse - East Sydney
The Palms Nursing Home, Kirrawee
The New Children's Hospital, Westmead
Total Rehabilitation Service
Trentham Nursing Home, Willoughby
Tuggeranong Seniors Centre
Wade-Lyn Nursing Home, Hurstville
War Memorial - Waverley
Waratah Nepean Developmental Disability Service
Waverley Community Health Centre
Waratah Nepean Developmental Disability Service (Hunter Equipment Service)
Waratah Orthopaedic School
Weemala, Ryde Rehabilitation Hospital
Weeroonga Training, Recreation & Resource Centre - Brookvale
Western Area Adolescent Assessment Team - Mt Druitt
Wesley Gardens Retirement Village, Belrose
Wesley - Ashfield
Westmead Hospital
Wicks Living Skills Centre
Wontama Day Centre
Yallambi Nursing Home for Aged Ladies
Yarrawarra Living Skills Centre - Bankstown

Community Agencies and Private Organisations

Country

ACT Rehabilitation Service
Aged Care Assessment Team, Kurri Kurri
Aged Care Advisory Service - Wagga Wagga
Albury Base Hospital
Albury Mercy Hospital
Albury Community Health
Anne Crane (Private Practice) - Bonville (Coffs Harbour)
Armidale Community Services Centre
Armidale and New England Hospital
Ballina Hospital
Baringa - Fairymeadow
Baringa Private Rehabilitation Hospital - Coffs Harbour
Bathurst Brain Injury Unit
Bathurst Rehabilitation Centre
Bathurst Aged Care Team
Bega Community Health Centre
Belconnen Health Centre, ACT
Bellingen River and District Hospital
Belmont District Hospital
Berkley Vale Private Hospital
Blue Mountains District Memorial
Blue Mountains District Health Service
Bowral & District
Bowral Community Health Centre
Bulli Community Health Centre
Broken Hill Base Hospital
Byron Bay Primary Care
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 Rehabilitation Service
Cootamundra Hospital
Coorabel Hospital
Cowra District Hospital
Crisis Assessment and Treatment Team - Newcastle
Child Assessment & Intervention Team "Kids Cottage"
Child Development Unit - Goulburn
Coffs Harbour Rehabilitation
Community Disability Service - ACT
Community Medicine Services - Toowoomba
Community Mental Health - Goulburn Base Hospital
Community Resource Team
Community Service Centre - Lismore
Cooma Hospital
Department of Community Services
Department of Family Services - Toowoomba
Doc's - Glen Innes
Deniliquin Community Health
Department of Social Security - Coffs Harbour
Dickson Day Centre - ACT (Dickson Seniors Network)
Dubbo Community Health Centre
Eastlakes Community Health Centre - Windale
Extended Care - Orange
Figtree School - Wollongong
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" - Wollongong C'wealth Rehab. Service
Worksite O/T - The Junction
Health Centre - New Town (TAS)
Hobart Repat & GeneralHospital - Battery Point (TAS)
Interact Injury Management - Orange
lUawarra Occupational Health - Wollongong
Illawarra Child Development Centre - North Wollongong
Illawarra Regional Hospital (Port Kembla Campus)
Illawarra Regional Hospital (Wollongong Campus)
Individual Development Centre - Balgownie
IRS Total Injury Management - Orange
IRS - Hamilton
IRS - Wollongong
IRS - Perth
James Fletcher Hospital - Newcastle
John Hunter, Hospital
Joint Coal Board - Warners Bay, Singleton
Katoomba Area Health Centre
Kempsey District Hospital
Kiama District Hospital
Kiama Health Support Service
Kirra Centre - ACT
Kurpinta Living Skills Centre - Newcastle
Kurri Kurri
Launceston General Hospital
Lawrence Hargrave Hospital - Thirroul
Lincoln School of Health Services - Carlton - Victoria
Lismore Base Hospital
Lismore Living Skills Centre
Lithgow District Hospital
Lourdes - Dubbo
Macksville Hospital
Maitland Hospital
Mandala Clinic - Central Coast
Maneen House Living Skills Centre - Mangerton
Mater Miseracordiae Hospital - Sth Brisbane
Mental Health Team - Albury
Mercy Care - Young
Mercy Hospital - Albury
Metropolitan Reception Prison - Coburg
Mobile Community Management Team
Molong Community Health Centre
Moree District Hospital
Moruya Community Health
Mullumbimby Primary Care
Muswellbrook District
Nelson Bay Community Health
Nepean School Age Therapy Team - Penrith
North Gosford Private Hospital
Newcastle East Community Health Service - Newcastle
Noah's Ark - Nowra
Northern Territory Student Services - Darwin
Nowra Community Hospital
Orana Community Health Centre, Dubbo
Orange Base Hospital
Pambula Community Health
Parkes Hospital
"Peacock" - North Hobart
Port Macquarie
Psychiatric Rehabilitation Service - ACT
QEII Jubilee Hospital - Sunnybank
Queanbeyan District Hospital
Rankin Park
Riverland Community Health Services - Berri
Royal Adelaide, South Australia
Royal Children's Hospital - Parkville
Royal Hobart Hospital
Royal Park Psychiatric Hospital - Parkville
Royal Newcastle Hospital
Shellharbour Hospital - Mt Warrigal
Shoalhaven District Memorial Hospital - Nowra
Soldiers Memorial Hospital - Canowindra
South Coast Workers' Medical Centre - Wollongong
Specialist Adult Health Services - Casuarina
Stanbridge, White & Associates - Wagga Wagga
St John of God Hospital - Goulburn
St Vincents Hospital - Lismore
Stuart Centre - Valentine
Tamworth Base Hospital
Tangara School for Special Purposes - Mittagong
Territory Health Services - Casuarina
The Campbell Hospital
Toowoomba General Hospital - Queensland
Toowoomba Intellectual Disability Services
Townsville General Hospital
Tweed Heads District Hospital & Health Services
Tuggeranong Seniors Centre
Tumut Community Health
University of Queensland - St. Lucia
Wagga Wagga Base Hospital
War Memorial Hospital - Cudal
Wellington District Hospital
Wingham Assessment & Rehabilitation

Woden Valley Hospital
Wodonga District Hospital
Wolston Park Hospital - Walcol
Woodstock Centre - Lavington

Overseas
Astley Ainslie Hospital Edinburgh - Scotland
Department of Rehabilitation- National University Hospital - Singapore
Duchess of Kent Children's Hospital - Hong Kong
Leicester Royal Infirmary - England
Margaret Drive Special School - Singapore
Michegan Hand Rehabilitation Centre - U.S.A.
Nether Edge Hospital - Sheffield - England
Pinderfields General Hospital - England
St Joseph Hospital - U.S.A.
Scottish Hospital
Scottish Hospital, Aged Care Centre
The Arthritis Society - Vancouver
Woodbridge Hospital - Singapore

School of Physiotherapy

The School of Physiotherapy wishes to acknowledge the vital function performed by physiotherapists who undertake the clinical education of its undergraduate students. These Clinical Educators are located in clinical units in New South Wales and interstate.

Public Hospitals
Metropolitan
Auburn District
Balmain
Bankstown-Lidcombe
Blacktown District
Campbelltown
Canterbury
Concord
Fairfield District
Greenwich
Hornsby Kuring-Gai Hospital & Area Health Service
Lady Davidson, North Turramurra
Liverpool
Lottie Stewart
Manly Hospital & Community Health Service
Mt Druitt
Mona Vale
New Childlrens Hospital
Prince Henry, Little Bay
Prince of Wales, Randwick
Rachel Forster, Redfern
Royal Hospital for Women, Paddington
Royal North Shore, St Leonards
Royal Prince Alfred, Camperdown
Ryde
St George, Kogarah
St Josephs, Auburn
St Vincent's, Darlinghurst
Sutherland Hospital, Caringbah
Sydney
Sydney Childrens Hospital
War Memorial, Waverley
Westmead

Non Sydney
Metropolitan/Country/Interstate
Albury Base
Armidale and New England
Bathurst Base
Bulli District
Calvary Hospital, Canberra
Coffs Harbour and District
Coledale District
Condobolin District
Cooma Base
Dubbo Base
Forbes
Gold Coast Hospital
Gosford District
Goulburn Base
Griffith Base
"Homeleigh" Wollongong Community Rehabilitation Centre
Illawarra Regional Hospital (Wollongong and Port Kembla Campuses)
John Hunter
Kempsey
Lismore
Lithgow
Maitland
Manning Base, Taree
Mater Misericordiae, Newcastle
Mercy Care Centre, Young
Mudgee District
Nepean
Orange Base
Parkes
Port Macquarie & Hastings District
Repatriation General, Hobart
Royal Newcastle
Shellharbour
Shoalhaven District Memorial, Nowra
St Vincent's, Lismore
Tamworth Base
Tweed Heads
Wagga Wagga Base
Woden Valley, Canberra
Woy Woy
Wyalong District
Wyong District

Private Hospitals and Nursing Homes
Mt. Wilga Private Hospital
Sacred Heart Hospice
Sydney Adventist Hospital

Commonwealth Government Departments and Agencies
ACT Community and Health Department (Infant and Child Services)
Australian Institute of Sport (ACT)
Belconnen Health Centre (ACT)
Commonwealth Rehabilitation Service
H.M.A.S. Penguin
RAAF Richmond

State Government Department and Agencies
Department of Community Services
- Bexley
- Illawarra

Community Agencies and Private Organisations

Anglican Retirement Villages (MOWLL)
Cumberland Health & Research Centre
Hawkesbury District Health Service
Merrylands Community Health Centre
Multiple Sclerosis Society of NSW (Lidcombe)
Royal Institute for Deaf & Blind Children - The Alice Betteridge School
Spastic Centre (Ryde, Allambie Heights)

Private Practitioners

Albert Alonso
Ian Austin
David Bick
Peter Buffen and Denny Shearwood
Sue Cockcroft & Melinda Johnson
Merryn Cooper
Maria De Sousa & Heather Marr-Wyllie
Gary Eastburn
Sally Ewin
Joel Werman
Judith Furey
Beverley Giovanelli & Kenneth Raupach
Julie Godfrey
Lesley Goff & Larry Wicks
Suzanne Jones & Ashton Lucas
Peter Knapman
Sue Lovelock
Gae Milazzo
Amanda Mussett & Tracey Powell
Louise O'Connor & Roger Fitzgerald
Grant Pleffer
Neil Potter
Jeff Pross
Rosemary Prosser
Phillip Richardson
John Roberts
Keiran Rooney
Greg Sheather
Elizabeth Steet & Mark Bevan
Colin Thompson
Lisa Tomlinson- Alonso
Beverley Trevithick
Margaret Turner
Graham Vankan & Jenny Aiken
Gordon Waddington
Hilary Waldman
Sandra Walker
Stuart Waters
Carolyn Young
David Young

17 Facilities and Services

Bookshop

The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the Student Guild, the Bookshop holds all prescribed texts and various stationery and software items.

Childcare

An on-campus child care centre for children aged between 0 - 5 years is available. For further information call 9 749 7575.

Counselling Service

A counselling service is provided through Student Welfare Services to assist students who wish to discuss concerns of a personal, academic or vocational nature. The service is free and confidential. The Counsellor, a counselling psychologist, is located in A005 in A Block. Students who wish to make an appointment with the Counsellor can telephone 9 351 9473, or book an appointment directly by writing in a time slot on the door. Appointments outside normal hours are available for students on clinical placements or who are studying part-time. Students can also arrange to see a counsellor at the Counselling Service on the Camperdown campus by calling 9 351 2228.

Credit Union Facilities

The Unicom Credit Union Ltd has an agency with an automatic teller machine on campus. The agency is open on Thursdays, between 12.00 noon and 2.00 pm.

Cumberland Student Guild

At enrolment all students p ay for membership to the Student Guild, a student representative body. As Guild members, Cumberland students can access either SUPRA (postgraduates) or SRC (undergraduates) on Camperdown Campus and claim associate membership of the relevant sports association, either SUWSA (women) or MSU (men).

Guild Facilities

The following are available on campus:

- F Block: Guild Cafeteria
- S and T Blocks: food and drink vending machines
- U Block (Guild Building): Guild Coffee Shop, Guild Bar, Guild Shop (agent for Australia Post), Guild MacLab, and subsidised photocopier centre.

Guild Office

Advice on Guild programs and facilities is available at the Guild Service Centre, located in the Guild Shop, open daily during semesters from 8.30am to 6.00pm. Enquiries can be made on 9 351 9099, or fax 9 351 9971. The Guild is the authorised uniform supplier for the Schools of Occupational Therapy, Orthoptics and Physiotherapy, and the Faculty of Nursing (Cumberland).

Student Representation

The Guild supports student representatives on various Faculty committees, and also individuals and student groups on academic rights issues. The Guild's Management Committee represents the interests of all students on campus. Any student can nominate for election as a student representative.

Student Resources and Support Services

These include:

- The Resource Officer, (who is also a campus Discrimination Adviser), located in the Guild Office, who helps with AUSTUDY/ABSTUDY and HECS issues, Appeals and Show Cause processes, and welfare matters.
- The Activities/Sports and Recreation Officer, who manages the new Sports Centre, organises a wide range of lunchtime recreational events and also provides support for the Guild affiliated clubs and societies. Those interested in forming a special interest group should obtain the *Clubs and Societies Manual* from the Guild Office.
- Subsidies toward costs of students attending conferences directly related to courses of study and those selected as sports representatives at State or National level.
- Conduct of research projects related to academic issues affecting students.
- Publications such as the monthly student newspaper, *Corpus Callosum,* the *Clubs and Societies Manual* and the *Student Guild Diary.*

Further details of Guild facilities and services are in the *Cumberland Student Guild Diary* issued to students in Orientation Week and also available at the Guild Office.

Disability Services

Students with disabilities or other special needs are assisted by the Disabilities Officer, Student Welfare Services, D Block. The Faculty has numerous resources to assist students, and a professional interest and commitment to provide high quality services. Consultations are confidential.

Students with disabilities are strongly advised to inform University staff of their needs as early as possible each academic year. A disability might be apparent or invisible, and might range from very slight to severe. It could be a physical, sensory, psychological, medical, or learning disability, or a combination of these. Students can experience difficulty meeting their educational commitments because of the educational disadvantage created by a disability. A variety of support services are available including notetakers, scribes, special examination arrangements, library facilities including the Special Study Room, and equipment in D Block for use and loan. Such assistance can minimise the disadvantage that might otherwise occur.

In the first instance, students are invited to contact Student Welfare Services on 9 351 9638 or 9 351 9081 for a consultation on what support services they

need, for information on what assistance is available, and for guidance on University procedures. Students may wish to have **a** confidential discussion initially with the student counsellor by telephoning directly on 9 351 9473.

English Language Tuition

The tutors who work in the Language and Learning Unit of Student Welfare Services provide supplementary and concurrent tuition in English for Academic Purposes and English for Clinical Placements for any student enrolled on Cumberland campus. This service is in the form of weekly lunchtime workshops and one-to-one tutorials and is particularly valuableforboth international andlocalstudents whose first language is not English. Preparatory courses are offered to students who have accepted a place in the Faculty in January-February prior to the start of the academic year. The Language and Learning Unit tutors are also trained in cross-cultural communication. This enables them to assist native speakers of English (staff or students) in communicating clearly with those who speak English as a second language. The above services are only for enrolled students. Applicants who require preparatory courses to raise their English language proficiency to a level high enough to enter the University will need to study elsewhere before applying. Enquiries are welcome. Telephone the Language and Learning Unit directly on 9 351 9631 or 9 351 9319, or reception on 9 351 9638 or fax 9 351 9635.

Equal Employment Opportunity and Affirmative Action

The University has an EEO Unit and an EEO and Affirmative Action Management Plan. EEO and Affirmative Action policies are designed to prevent discrimination, promote equity, and work in the interests of target groups who have suffered discrimination in the past. Such groups include Aborigines, women, people from non-English speaking backgrounds andpeoplewithmentalorphysical 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 maybe intentional or unintentional. Harassment is one form of discrimination and generally occurs when power is improperly exercised to the detriment of a person or group of people.

What can **you do if you** are harassed?

If possible tell the person directly that their behaviour is unacceptable to you and ask them to stop. If this is not appropriate or leads to no improvement then seek advice from a University or Faculty Discrimination Adviser. You may also direct your concerns to senior staff within your School or Department.

Financial Assistance

The University's loan scheme provides supplementary assistance, not full support, to students who demonstrate financial hardship. These interest-free loans may be short term for compulsory student fees at the beginning of semester, longer term loans for essential living and study expenses (called Financial Assistance loans), or a very short-term cash loan for an emergency that has arisen that day. All enquiries should be directed to Student Welfare Services in D Block, telephone 9 351 9638, where you can pick up an applicationformand make an appointment for aninterview.

Graduates Association and Alumni

The Graduates Association was established in 1980. The general aims of the Association are to:

- support and advance the character, status and interests of the College/Faculty
- provide meeting opportunities for graduates to maintain or re-establish friendships
- act as a centre for liaison with industry, commerce and community
- assist the College/Faculty to communicate with graduates
- assist in the future development of the College /Faculty and of tertiary education in the health sciences

All graduates of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences), and graduates Of the professional schools which together formed Cumberland College, are eligible for membership of this Association and can therefore retain a vital, active and professional link with the College. Further information may be obtained from the Information and Scholarships Officer on 9 351 9154.

The Faculty's Alumni include all its graduates, ex-staff, ex-students and community friends. Alumni are kept in touch through the Faculty Web site.

All alumni are able to become life members of the Graduate Association on payment of a once-only fee of $50. Members can:

- borrow from the Faculty Library
- make their voice heard on issues affecting the Faculty
- become eligible for a Graduates Association Grant for postgraduate study in the Faculty of Health Sciences.

The Graduates Association offers annually a grant of $1500 to provide financial assistance to a new or continuing student in any course of postgraduate study in the Faculty of Health Sciences. The grant is made over one year for full-time students and over two years for part-time students. Applicants must be members of the Association.

Health Sciences Library

The University of Sydney's Cumberland campus maintains its own library to provide resources and support to students, staff and researchers. The Library collection, of approximately 82,000 books and videos and 1,000 journal titles, is particularly oriented towards the health sciences. The library aims to support undergraduate, graduate, and research programs, to provide service and assistance to users, as well as to provide certain general and recreational materials and a pleasant environment for study and research.

The Health Sciences Library is located centrally on campus, in R block, and is accessible to users with physical disabilities. Level 1 includes the Reference collection, current issues of journals, Closed Reserve, the Information desk, the Circulation desk, audio-visual, photocopying, CD ROM and Internet facilities, a study room for students with disabilities, Computer Training Room, study areas and the staff work area.

Level 2 contains the main collection of resources, study areas, additional photocopiers, and several group study rooms.

Access to the Library collection is via a user-friendly OP AC (online public access catalogue). Material may be located by author, title, subject or keyword approaches. OPACs are located on both levels of the Library. The holdings of .other university libraries maybe accessed through AARNet.

CDROM facilities allow users to make their own literature searches on a variety of databases. Regular classes are conducted in use of CDROM and Internet facilities. Interlibrary loan services are available. Distance education students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk (Phone: 9351 9437)
Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk (Phone: 9351 9423)
Renewals of loans may be made in person or by telephone during library hours. (Overdue items may.not be renewed.)

Library hours

Semester

Mon to Thurs	8.00 am - 10.00 pm
Fri	8.00 am - 6.00 pm
Sat	9.00 am - 4.00 pm
Sun	1.00 pm - 5.00 pm

Inter-Semester

Mon to Fri	9.00 am - 5.00 pm
Sat and Sun	Closed

For more information about the Library collection and services, including remote access instructions to the OP AC, see the Home Page set up at:
http://www.cchs.su.edu.au/Adrnin/lib/library.htrnl

A detailed list of the various databases available can be found at:
http://www.library.usyd.edu.au/Databases

International Student Advisory Service

Advisory services for international students and visiting scholars are provided by Student Welfare Services in D Block. 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 9 351 9634 or fax 9 351 9635.

Language and Learning Unit (LLU)

The Language and Learning Unit is located in D115 and is part of Student Welfare Services. The tutors in the Unit provide academic and communication skills tuition for all students, as well as English language tuition for those who require it. There is a writing workshop equipped with computers for student use. These can be booked for 2 hour periods. The staff have postgraduate qualifications in education, applied linguistics, foreign languages, cross-cultural communication, and in teaching English as a second language. One-to-one tutorials, regular workshops and seminars on academic, clinical, and professional communication skills are available during semester and in vacations. Schedules are announced from time to time on noticeboards around the campus. Students and lecturers are invited to contact the Unit and consult with the tutors on any matter related to the above areas and services. Telephone 9 351 9631 or 9 351 9319 or call Student Welfare Services on 9 351 9638. The fax number is 9 351 9635.

Lockers

A limited number of lockers are available on campus on a first-come-first-served basis. All lockers must be cleared at the end of each semester. The University will not accept responsibility for any item lost from these lockers.

There are also a small number of lockers set aside for the use of students with disabilities located in S and T Blocks. Students wishing to use these lockers should contact Student Welfare Services in the first instance.

Lost Property

Property found on campus should be taken to Property Services Division. Lost property is held for a period of three months. If unclaimed after two months, it may be claimed by the finder (not including a member of staff). If it is still unclaimed after a three month period, the University reserves the right to dispose of these items.

Parking

Parking is available on campus for staff; however, places are limited for students and visitors. Parking fees apply and the conditions specified in the parking regulations must be observed. Parking permit applications, and details of the regulations and infringementprocedures, are available from Property Services Division. Those requiring access to parking spaces for people with disabilities should contact Student Welfare Services.

Peer Tutoring Service

A register of senior students who have volunteered their services as subject tutors is available in Student Welfare Services in D Block. Students wishing to become tutors, or to obtain tutoring in subjects they are having difficulties with, should contact the office to check the register or seek advice. Payment is generally negotiable between parties involved. For information telephone 9 351 9638.

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.

Jack Lang Building

It is anticipated that 85 rooms will be available for student accomodation in the Jack Lang Building on the Lidcombe Hospital site. This will be the future sit for accomodation of the media for the 2000 Olympics and will be available for University students untill end Semester 1,2000.

Yannadah

The student residence on the Cumberland campus, Lidcombe, provides accommodation for up to thirty-nine students from outside the greater metropolitan area of Sydney. Application forms are included with course offers. Places are determined by ballot. For information contact the Residential Supervisor on 9 351 9405.

Student Welfare Services (SWS)

Student Welfare Services, located in D Block, 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). Contact numbers are telephone 9 351 9638 and fax 9 351 9635. Office hours are 9.00-5.00 during semester and vacations.

Travel Concessions

Details of travel concessions are available from the Student Enquiry Counter, Administration Building.

18 Senate Resolutions

As at 1 November, 1997

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 Health Science (BHlthSc)
   (c) Master of Applied Science (MAppSc)
   (d) Master of Health Science (MHlthSc)
   (e) Master of Behavioural Health Science (MBehHlthSc)
   (f) Master of Child and Adolescent Health (MChldAdolHlth)
   (g) Master of Communication Disorders (MComm.Dis)
   (h) Master of Community Health (MComHlth)
   (i) Master of Exercise and Sport Science (MEx&SpSc)
   (j) Master of Gerontology (MGeront)
   (k) MasterofHealmStienceEducauon(MHlthScEd)
   (l) Master of Health Science Management (MHlthSc(Mment))
   (m) Master of Occupational Therapy (MOT)*
   (n) Master of Rehabilitation Counselling (MRehabClng)
   (0) Doctor of Philosophy (PhD).
   * subject to final approval
2. The diplomas and certificates in the Faculty of Health Sciences shall be:
   (a) Diploma of Health Science (DipHlthSc)
   (b) Graduate Diploma of Applied Science (GradDipAppSc)
   (c) Graduate Diploma of Health Science (GradDipHlthSc)
   (d) Graduate Diploma in Behavioural Health Science (GradDipBehHlthSc)
   (e) Graduate Diploma in Child and Adolescent Health (GradDipChld AdolHlth)
   (f) Graduate Diploma in Clinical Data Management (GradDipClinDataMgt)
   (g) Graduate Diploma in Community Health (GradDipComHlth)
   (h) Graduate Diploma in Exercise and Sport Science (GradDipEx&SpSc)
   (i) Graduate Diploma in Gerontology (GradDip Geront)
   (j) Graduate Diploma in Health Science Education (GradDipHlthScEd)
   (k) Graduate Diploma in Rehabilitation Counselling (GradDipRehabClng)
   (l) Graduate Diploma in Vision Impairment (GradDip Vislmp)
   (m) Graduate Certificate of Applied Science (GradCertAppSc)
   (n) Graduate Certificate in Behavioural Health Science (GradCertBehHlthSc)
   (o) Graduate Certificate in Casemix (GradCertCasem)
   (p) Graduate Certificate in Child and Adolescent Health (GradCertChld AdolHlth)
   (q) Graduate Certificate in Clinical Data Management (GradCertCDM)
   (r) Graduate Certificate in Health Science Education (GradCertHlthScEd)
   (s) Graduate Certificate in Vision Impairment (GradCertVisImp)
3. The Faculty, acting on the recommendation of the Head of School / Dep artment / 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) Diversional Therapy
   (b) Exercise and Sport Science
   (c) Health Information Management
   (d) Leisure and Health
   (e) Medical Radiation Technology
   (f) Occupational Therapy
   (g) Orthoptics
   (h) Physiotherapy
   (i) Speech Pathology.
2. (1) The degree of Bachelor of Applied Science may be awarded in the grade of Honours degree in the following areas:
   (a) Exercise and Sport Science
   (b) Health Information Management
   (c) Leisure and Health
   (d) Medical Radiation Technology
   (e) Occupational Therapy
   (f) Orthoptics
   (g) Physiotherapy
   (h) Speech Pathology.
   (2) There shallbe 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 maybe prescribed by the Faculty or the school or department concerned.

(2) The words 'to complete a unit' and derivative expressions mean:

(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and

(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

4. Where in these resolutions a power is given to the Faculty or a head of school/department/centre, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school/department/centre may, in their discretion, in any particular case:

(a) exercise the power,

(b) exercise the power conditionally, or

(c) decline to exercise the power.

5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

(2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a subject unless entry requirements prescribed for thatsubject have beensatisfied.

6. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the head of school or department concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.

7. A candidate for the Pass degree shall complete the units as set out in the following tables in respect of the appropriate degree area.

8. A candidate for the Honours shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following tables.

Table A - Leisure and Health (previously Diversional Therapy)

A.1 - Pass Course (3 year full-time)

Year 1

Introduction to Health Sociology
Psychology I
Sociology of Community and Family
Biological Sciences LA
Biological Sciences IB
Professional Practice I
Theories of Leisure and Recreation
Creative Arts in Recreation: Visual Arts
Communication Theory and Practice
Introduction to People with Disabilities
Management and Computer Skills
Creative Arts in Recreation: Expressive Arts
Leadership and Group Dynamics
Introduction to Teaching and Learning
Issues which Influence Client Care
Field Experience I

Year 2

Clients, Work and Organisations
Psychology of Disability I
Psychology of Disability II
Research Methods I
Biological Sciences IIA
Biological Sciences IIB
Professional Practice II
Social Psychology of Leisure and Recreation
Advanced Theory and Methods of Instruction
Diversional Therapy and the Ageing Population
Contemporary Issues in Health Care
Leisure Education
Program Design, Implementation and Evaluation
People with Disabilities I
Field Experience II

Year 3

Research Methods II
Sociology of the Aged and Ageing
Psychology II
Biological Sciences MA
Biological Sciences MB
Counselling Skills
Recreation for Specific Groups
Leisure throughout the Life Cycle
Integrative Paper
People with Disabilities II
Field Experience III

A.2 - Honours Course (3 year full-time)

Year 1 *- As for Pass Course*

Year 2 *- As for Pass Course*

Year 3 *- As for Pass Course plus:*

Research Methods and Statistics
Honours Research Seminar I
Research Elective*

Year 4

Honours Research Seminar II
Honours Thesis

Table B - Exercise and Sport Science

B.1 - Pass Course (3 year full-time)

Year 1

Psychosocial Aspects of Recreation and Sport
Body Structure, Homeostasis and Movement I
Body Structure, Homeostasis and Movement II
Molecules, Food and Energy
Mechanisms of Movement
Muscle Mechanics
Quantitative Biomechanics
Selected Studies: (any six from the following)
- Fitness Appraisal
- Sports First Aid/Trainer
- Sport, Exercise and the Law
- Health Centre Management
- Sports Coaching
- Resistance Training
- Exercise Programming
- Video Performance Analysis
- Fundamental Computer Skills
- Data Management and Presentation

Year 2

Behaviour Modification and Exercise Adherence
Kinesiology and Applied Anatomy
Hormones, Metabolism and Exercise*
Mechanisms of Injury
Growth, Development and Ageing
Motor Control and Learning I
Motor Control and Learning II
Biochemistry of Exercise
Exercise Physiology I
Exercise Physiology II
Nutrition and Sport Performance*

Year 3

Psychological Intervention in Sport and Sociology of Organisations*
Exercise Physiology III
Exercise Testing and Prescription I
Exercise Testing and Prescription II
Sports Biomechanics I
Sports Biomechanics II
Occupational Biomechanics*
Research Methods
Exercise and Rehabilitation I
Exercise and Rehabilitation II
Readings and Conference*
Sport Pharmacology*

B.2 - Honours Course (4 year full-time)

Year 1 *- As for Pass Course*

Year 2 *- As for Pass Course*

Year 3 *-As for Pass Course*

Year 4

Honours Thesis

* To fulfil the requirements of the program, students are required to complete a total of three of the units indicated by an asterisk.

Table C - Health Information Management

C.1 - Pass Course (3 year full-time)

Year 1

Clinical Classification I
Health Information Systems II
Australian Health Care Systems
Medical Terminology I
Medical Terminology II
Communication
Professional Experience IA
Professional Experience IB
Health Information Systems I
Microcomputer Applications
Introduction to Psychology
Introduction to Sociology
Basic Human Biology IA
Basic Human Biology IB

Year 2

Programming Logic and Design
Medical Science I
Professional Experience II
Health Informatics
Database Systems
Clinical Classification IIA
Clinical Classification IIB
Management Principles I
Casemix Measurement Systems
Social Psychology
Psychology of Work and Management
Research Methods I: Design
Research Methods II: Data Analysis
Basic Human Biology IIA
Basic Human Biology IIB

Year 3

Research Project A
Research Project B
Financial Management in Health Care
Medical Science II
Medical Science III
Epidemiology
Professional Experience IIIA
Professional Experience IIIB
Clinical Classification IIIA
Clinical Classification IIIB
Human Resource Management
Health Care Evaluation
Management Principles II
Sociology of Work and Organisations
Psychology of Work and Management
Management Principles III
Medico-Legal Principles II

C.2 - Honours Course (4 year full-time)

Year 1 *- As for Pass Course*

Year 2 *- As for Pass Course*

Year 3-*As for Pass Course plus:*

Intermediate Statistics

Year 4

Research Thesis Part A
Research Thesis Part B

Table D - Medical Radiation Technology

D.l - Pass Course (3 year **full-time)**

Yeari

Behavioural Science IA - Introduction to Computing
Behavioural Science IB - Introduction to Psychology
Radiation Physics A
Radiation Physics B
Anatomy of Body Systems A
Anatomy of Body Systems B
Introductory Human Biology
Introduction to Medical Radiation
Clinical Education I
PLUS
; Introductory Radiography
OR
Introductory Nuclear Medicine
OR
Introductory Radiation Therapy

Year2

Behavioural Science IIA
; Behavioural Science EB
Pathophysiology A
Pathophysiology B
Radiation Protection
Radiation Biology
Sectional Anatomy A
Sectional Anatomy B
PLUS
Imaging IA
Imaging IB
Radiography IA
Radiography IB
Radiographic Pathology IA
Radiographic Pathology IB
Clinical Education IIA
OR
Instrumentation IA
Instrumentation IB
Nuclear Medicine IA
Nuclear Medicine IB
Radiopharmacy A
Radiopharmacy B
Clinical Education IIB
OR
Tumour Pathology A
Tumour Pathology B
Radiation Therapy IA
Radiation Therapy IB
Radiotherapy Physics IA
Radiotherapy Physics IB
Clinical Education IIC

Year 3

Behavioural Science IIIA
Behavioural Science IIIB
Image Processing A
Image Processing B
Professional Studies
PLUS
Sonography A
Sonography B
Imaging IIA
Imaging IIB
Radiography IIA
Radiography IIB
Radiographic Pathology II
Contrast Media
Clinical Education IIIA
OR
Sonography A
Sonography B
Instrumentation IIA
Instrumentation IIB
Nuclear Medicine IIA
Nuclear Medicine IIB
Clinical Education IIIB
OR
Radiation Therapy IIA
Radiation Therapy IIB
Radiotherapy Physics IIA
Radiotherapy Physics IIB
Principles of Oncology A
Principles of Oncology B
Clinical Education IIIC
Radiation Therapy Project

D.2 - Honours Course (4 year full-time)

Years 1 and 2 *- As for Pass Course*

Year 3 *- As for Pass Course*

Research in Medical Radiations LA
Research in Medical Radiations IB

Year 4

Research Methods and Statistics
Honours Workshop A
Honours Workshop B
Honours Thesis
Research in Medical Radiations II
Elective

D.3 - Conversion Course

This program is for candidates who have completed the Diploma in Applied Science in Medical Radiation Technology.

Radiation Biology and Protection
Medical Radiations Project
PLUS
Advances in Radiography
OR
Sectional Anatomy
OR
Sonography

Table E - Occupational Therapy

E.1 - Pass Course (4 year full-time)

Year 1

Introductory Psychology
Cognitive Functioning
Management of Behaviour
Introductory Human Biology
Musculoskeletal Anatomy
Introductory Neurobiology
Neurobiology I
Human Occupations IA
Human Occupations IB
Components of Occupational Performance IA
Components of Occupational Performance IB
Occupational Therapy Theory and Process I
Occupational Role Development I
Fieldwork Education I

Year 2

Introduction to Health Sociology
Sociology of Health I
Research Methods I: Design
Research Methods II: Data Analysis
Neurobiology II
Body Systems I
Biomechanics for Occupational Therapy
Human Occupations IIA
Human Occupations IIB
Components of Occupational Performance IIA
Components of Occupational Performance IIB
Occupational Therapy Theory and Process IIA
Occupational Therapy Theory and Process IIB
Occupational Role Development II
Fieldwork Education II

Year 3

Sociology of Health II
Health Psychology
Body Systems II
Human Occupations III
Components of Occupational Performance III
Occupational Therapy Theory and Process III
Fieldwork Education IIIA
Fieldwork Education IIIB

Year 4

Psychology of Adulthood and Ageing
Social Psychology
Sociology Elective
Applied Physiology
Human Occupations IV
Components of Occupational Performance *TV*
Occupational Therapy Theory and Process IVA
Occupational Therapy Theory and Process IVB
Evaluation of Occupational Therapy Programs
Fieldwork Education IV

E.2 - Honours Course (4 year full-time)

Year 1 *- As for Pass Course*

Year 2 *- As for Pass Course*

Year 3

Sociology of Health II
Health Psychology
Body Systems II
Human Occupations III
Components of Occupational Performance III
Occupational Therapy Theory and Process III
Fieldwork Education IIIA
Fieldwork Education IIIB
Research Elective[1]
Honours Research Seminar I

Year 4

Psychology of Adulthood and Ageing
Social Psychology
Sociology Elective
Applied Physiology
Honours Research Seminar II
Human Occupations IV (Hons)
Honours Thesis
Fieldwork Education IV

Table F - Orthoptics

F.1 - Pass Course (4 year full-time)

Year 1

Introduction to Health Sociology
Introduction to Psychology
Introductory Human Biology
Introductory Neurobiology
Neurobiology I
Optics I
Body Systems I
Optics II
Clinical Instrumentation IA
Clinical Instrumentation IB
Visual Processes
Binocular Vision
Disorders of the Visual System IA
Disorders of the Visual System IB

Year 2

Behavioural Science IIA
Behavioural Science IIB
Research Methods and Statistics
Research Methods and Designs
Introductory Pathology
Ocular Biology
Visual Neurobiology
Concomitant Strabismus B
Clinical Studies IIA
Clinical Studies IIB
Instrumentation IIA
Instrumentation IIB
Concomitant Strabismus A
Disorders of the Visual System IIA
Disorders of the Visual System IIB

Year 3

Bio-electrical Signals and Computing
Embryology and Neuro Plasticity
Clinical Studies III
Clinical Project

Ocular Motility Disorders I
Disorders of the Visual System III
Rehabilitation Studies I
Instrumentation III
Elective Study

Year 4

Visual Science
Ocular Motility Disorders II
Disorders of the Visual System IV
Rehabilitation Studies II
Professional Studies
Clinical Studies IV
Developing a Research Project
AND
Research Project
OR
Professional Elective

F.2 - Honours Course (4 year full-time)

Year 1 - As for Pass Course

Year 2 - As for Pass Course

Year 3

Research Statistics
Bio-electrical Signals and Computing
Embryology and Neuro Plasticity
Clinical Studies III
Ocular Motility Disorders I
Disorders of the Visual System III
Rehabilitation Studies I
Instrumentation III
Clinical Project (Honours)
Research Proposal Part A
Research Proposal Part B

Year 4

Visual Science
Ocular Motility Disorders II
Disorders of the Visual System IV
Rehabilitation Studies II
Professional Studies
Research Thesis Part A
Research Thesis Part B
Clinical Studies IV

Table G - Physiotherapy

G.1 - Pass course (4 year full-time)

Year 1 (to be first offered in 1998)

Psychology of Motor Behaviour
Research Methods I: Design
Introductory Psychology
Introductory Human Biology
Body Systems I
Functional Anatomy A
Functional Anatomy B
Introductory Neurobiology
Neurobiology I
Electrophysical Agents I
Musculoskeletal Physiotherapy I
Physiotherapy Practice I
Kinesiology I

Year 2 (to be first offered in 1999)

Research Methods II: Analysis
Introduction to Health Sociology
Social and Health Psychology
Body Systems II
Neurobiology II
Cardiopulmonary Physiotherapy I
Electrophysical Agents II
Musculoskeletal Physiotherapy II
Physiotherapy Practice II
Clinical Education I
Clinical Education II
Biomechanics

Year 3 (to be first offered in 2000)

Sociology of Clients, Practitioners and Organisations
Body Systems III
Cardiopulmonary Physiotherapy II
Musculoskeletal Physiotherapy III
Physiotherapy in Neurology I
Paediatrics
Physiotherapy Practice III
Exercise and Health
Clinical Education III
Applied Physiology

Year 4 (to be first offered in 2001)

Psychopathology and Behaviour Change
Society, Policy and Health
Clinical Education TVA
Clinical Education IVB
Evidence Based Practice
Complex Cases
Elective
Advanced Manipulation Skills
Physiotherapy in Neurology II
Clinical Education IVC
Clinical Education FVD

G.2 - Honours Course (4 year full-time)

Years 1 and 2 - As for Pass course

Year 3

Research Statistics
Sociology of Clients, Practitioners and Organisations
Body Systems III
Cardiopulmonary Physiotherapy II
Musculoskeletal Physiotherapy III
Physiotherapy in Neurology I
Paediatrics
Physiotherapy Practice III
Exercise and Health
Clinical Education III
Research for Physiotherapists
Applied Physiology

Year 4

Psychopathology and Behaviour Change
Society, Policy and Health
Honours Thesis
Complex Cases
Advanced Manipulation Skills
Physiotherapy in Neurology II
Clinical Education IVC

Clinical Education IVD
Clinical Education IIIHA
Clinical Education IIIHB
Honours Research Seminar

Table H - Speech Pathology

H.1 - Pass Course (4 year full-time)

Year 1

Introductory Psychology
Cognitive and Developmental Psychology
Research Methods I: Design
Disorders and their Management
Introductory Human Biology
Introductory Neurobiology
Neurobiology I
Body Systems I
Speech and Hearing Science I
Speech and Hearing Science II
Linguistics
Professional Development I:
Introduction to Clinical Learning
Phonetics I
Normal Communication Development
Articulation and Phonology

Year2

Cognitive Neuropsychology I
Research Methods II: Data Analysis
Neurobiology II for Communication Disorders
Voice Science and Disorders
Language Impairments in Children I
Language Impairments in Children II
Stuttering
Professional Development II: Clinical Skills
Phonetics II
Audiology
Audiological Management I
Speech and Language Impairments of
Neurological Origin I
Introductory Speech Pathology Clinical I
Introductory Speech Pathology Clinical II
Phonological Impairments

Year 3

Cognitive Neuropsychology II
Sociology I
Sociology II
Patient Management: Theories and Applications
Social and Health Psychology
Neurology for Communication Disorders
Audiological Management
Speech and Language Impairments of
Neurological Origin II
Communication Impairments in Special Populations
Language Impairments in Children III
Professional Development III: Management Skills
Swallowing Impairments
Craniofacial Anomalies
Intermediate Speech Pathology Clinical I
Intermediate Speech Pathology Clinical II

Year 4

Group A
Advanced Topics A
Professional Development IVA: Advanced Issues
Advanced Speech Pathology Clinical IA
Advanced Speech Pathology Clinical IIA
Group B
Advanced Topics B
Professional Development *WB:* Advanced Issues
Advanced Speech Pathology Clinical IB
Advanced Speech Pathology Clinical IIB

H.2 - Honours Course (4 year full-time)

Year 1 - As for Pass Course

Year 2 - As for Pass Course

Year 3 - As for Pass course plus

Honours Research Seminar I: Literature Review
Honours Research Seminar II: Research Proposal
Honours Research Methods: Individual Studies I

Year 4 - As for Pass course plus

Honours Research Seminar III: Research Strategies
Honours Thesis
Honours Research Methods: Individual Studies II

Bachelor of Health Science

1. The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
   (a) Rehabilitation Counselling
   (b) Aboriginal Health and Community Development
   (c) Nursing *
   (d) Occupational Therapy *
   (e) Physiotherapy *
   (f) Medical Radiation Technology•*
   * Singapore Conversion Courses.
2. (1) ThedegreeofBachelorofHealthSciencemay be awarded in the grade of Honours degree in:
   (a) Rehabilitation Counselling
   (b) Aboriginal Health and Community Development
   (2) There shallbe 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 outstandingrnerit,thatcandidateshall 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 maybe prescribed by the Faculty or the school or department concerned.
   (2) The words 'to complete a unit' and derivative expressions mean:
   (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and

(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

4. Where in these resolutions a power is given to the Faculty or a Head of School, Department, or Centre subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a Head of School, Department, or Centre may, in their discretion, in any particular case:
   (a) exercise the power,
   (b) exercise the power conditionally, or
   (c) decline to exercise the power.

5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

   (2) Except with the permission of the Faculty, on the recommendation of the head of the school or department concerned, a candidate shall not enter a unit unless entry requirements prescribed;for that unit have been satisfied.

6. A candidate maybe granted credit towards the degree on the basis of a unit or units regarded by the Faculty,.on the recommendation of the Head of School, Department, or Centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.

7. A candidate for the Pass degree shall complete the units as set out ih>the following tables in respect of the appropriate degree area.

8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the following table.

Table A - Rehabilitation Counselling

A.1 - Pass Course (4 year full-time)

Year 1 (to be first offered in 1998)

Vocational Rehabilitation IA
Vocational Rehabilitation IB
Introduction to Rehabilitation Philosophy
Ethical Perspectives of Rehabilitation
Professional Practice 11
Rehabilitation Psychology IA
Rehabilitation Psychology IB
Australian Society and Culture A
Australian Society and Culture B
Research Methods: Design
Human Anatomy and Physiology A
Human Anatomy and Physiology B

Year 2 (to be first offered in 1999)

Rehabilitation Counselling IA
Rehabilitation Counselling IB
Vocational Rehabilitation IIA
Vocational Rehabilitation IIB
Case Management and Rehabilitation Planning I
Case Management and Rehabilitation Planning II
Occupational Health, Disability and Rehabilitation A
Occupational Health, Disability and Rehabilitation B
Professional Practice II
Rehabilitation Psychology IIA
Rehabilitation Psychology IIB
Research Methods: Data Analysis
Pathophysiology and Pharmacology A
Pathophysiology and Pharmacology B

Year 3 (to be first offered in 2000)

Rehabilitation Counselling IIA
Rehabilitation Counselling IIB
Vocational Rehabilitation IHA
Vocational Rehabilitation IIIB
Accident Compensation Schemes Practicum
Avocational Rehabilitation
Legal Perspectives of Rehabilitation
Medical Aspects of Disability A
Medical Aspects of Disability B
Psychiatric Rehabilitation
Elective I (from Gp. A)
Elective II (from Gp. A)
Elective III (from Gp. A or B)
Elective IV (from Gp. A or B)
Professional Practice III
Philosophy and Politics of Disability and Rehabilitation
Behaviour Disorders and Management

Year 4 (to be first offered in 2001)

Rehabilitation Counselling IHA
Rehabilitation Counselling IIIB
Group Research Project
Research Methods: Intermediate Statistics
Elective V (from Gp. A)
Elective VI (from Gp. A or B)
Elective VII (from Gp. A or B)
Professional Practice IV

A.2 - Honours Course (4 year full-time)

Year 1 and Year 2 *- As for Pass Course*

Year 3 *- As for Pass Course plus*

one Research Elective from Group C
Honours Workshop

Year 4 *- (to be offered in 2001)*

Rehabilitation Counselling IHA
Rehabilitation Counselling IIIB
Professional Practice IV
Thesis

Table B - Aboriginal Health and Community Development

B.1 - Pass Course (3 years full-time block attendance)

Year 1 (no commencing students in 1998)

Year 2 (last offered in 1998)

Indigenous Health Promotion
Epidemiology
Health and Human Behaviour II
Biological Sciences II
Perspectives in Indigenous Health II
Community Development II
Counselling II
Primary Health Care II
Field Experience II

Year 3

Health Planning Policy and Evaluation
Contemporary Issues in Health, Law and Medicine
Social Research
Biological Sciences III
Perspectives in Indigenous Health III
Community Development III
Counselling III
Primary Health Care III
Field Experience III

B.2 - Honours Course (4 year full-time block attendance)

Year 1 - As for Pass Course

Year 2 - As for Pass Course

Year 3 - As for Pass Course plus

Research Elective

***Year 4** - As for Pass Course plus*

Honours Workshop
Thesis
Research Elective

B.3 - Pass Course (4 year full-time block attendance plus off-campus)

Year 1 (to be first offered in 1998)

Perspectives in Indigenous Health I
Community Development I
Counselling I
Primary Health Care I
Biological Sciences I
Drugs and Alcohol I
Communication Studies I
Field Education I

Year 2 (to be first ottered in 1999)

Perspectives in Indigenous Health II
Counselling II
Primary Health Care II
Community Development II
Health and Human Behaviour I
Biological Sciences II
Drugs and Alcohol II
Field Education II

Year 3 (to be first offered in 1998 - to approved students)

Project A (Planning)
Research Elective IIIA
Research Elective IIIB
Elective IIIA
Elective IIIB
Elective HIC
Elective IIID
Field Education III

Year 4 (to be first offered in 1999)

Project B
Elective IVA
Elective IVB
Elective IVC
Elective IVD
Elective IVE
Field Education IV

B.4 - Honours Course (4 year full-time)

***Year 1** -As for Pass Course*

***Year 2** -As for Pass Course*

***Year 3** -As for Pass Course*

***Year 4** - As for Pass Course plus*

Project B
Research Elective IVA
Research Elective IVB
Research Thesis A
Research Thesis B

Table C - Medical Radiation Technology*, Nursing*, Occupational Therapy*, Physiotherapy*
(* Off-Shore Singapore Conversion Course)

C.1 - Common Subjects (2 year part-time)

Years 1 and 2

The Nature of Health Care Delivery
Ethical Dimensions of Health Care Delivery
Psychology of Teaching and Learning
Research Methods 1
The Legal Perspective
Patient/ Client Education
Research Methods 2
Pathophysiology
Sociology of Work and Organisations
Financial Management in the Health Services
Sociology of Client/Practitioner Relationships

C.2 - Medical Radiation Technology

Common Subjects

PLUS
Department Designs and Safety Issues
Computer Communications in Medical Radiation Technology
Management of Equipment Selection

C.3 - Nursing

Common Subjects

PLUS
Health Assessment
Management in Nursing
Advanced Clinical Studies

C.4 - Occupational Therapy

Common Subjects

PLUS
Components of Occupational Performance
Occupational Therapy Theory and Process
Evaluation of Occupational Therapy Programs

C.5 - Physiotherapy

Common Subjects

PLUS
Evaluation in Physiotherapy
Topics in Physiotherapy Management
Advanced Physiotherapy Studies

Table D - Medical Radiation Technology*, Occupational Therapy*, Physiotherapy*
(* On-Shore Singapore Conversion Course)

D.1 - Medical Radiation Technology

Year 1

Behavioural Science IIIA
Behavioural Science IIIB
Radiation Protection
Radiation Biology
Image Processing A
Image Processing B
Field Project A
Field Project B
PLUS
Sonography A
Sonography B
Imaging IIA
Imaging IIB
Radiography IIA
Radiography IIB
Radiographic Pathology II
Contrast Media
OR
Radiation Therapy IIA
Radiation Therapy IIB
Radiotherapy Physics IIA
Radiotherapy Physics IIB
Principles of Oncology A
Principles of Oncology B
Radiation Therapy Project

D.2 - Occupational Therapy (1 year full-time)

Year 1

Sociology Elective
Components of Occupational Performance
Occupational Therapy Theory & Process IVA
Occupational Therapy Theory & Process IVB
Human Occupations
Evaluation of Occupational Therapy Programs
Elective Study
Fieldwork Education

D.3 - Physiotherapy - Pass Course -1 year

Year 1

Health Medicine and Society
Health Psychology
Physiotherapy in Neurology III
Cardiopulmonary Physiotherapy III
Musculoskeletal Physiotherapy IV
Topics in Physiotherapy IV
Research and Investigation II
Research and Investigation III
Clinical Education IIIB
Clinical Education IIIC

Master Degrees

Subject areas

1. (1) The degree ofMaster of Applied Science may be taken in the following subject areas:
   (i) Behavioural Health Science
   (ii) Communication Sciences & Disorders
   (iii) Exercise and Sport Science
   (iv) Health Information Management
   (v) Biomedical Sciences
   (vi) Manipulative Physiotherapy
   (vii) Medical Radiation Technology
   (viii) Occupational Therapy
   (ix) Orthoptics
   (x) Physiotherapy
   (xi) Rehabilitation
   (xi) Sports Physiotherapy
   (xii) Stuttering
   (xiii) Voice.
   (2) The degree of Master of Health Science may be taken in the following subject areas:
   (i) Community Health
   (ii) Education
   (iii) Gerontology
   (iv) Rehabilitation Counselling.
   (3) The degree of Master may be taken in the following subject areas:
   (i) Behavioural Health Science
   (ii) Child and Adolescent Health
   (iii) Communication Disorders
   (iv) Community Health
   (v) Exercise and Sport Science
   (vi) Health Science Education
   (vii) Gerontology
   (viii) Occupational Therapy*
   (ix) Rehabilitation Counselling.
   *subject to final approval

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the Head of the Department, School, or Centre concerned, admit to candidature for a degree of Master within the Faculty an applicant:
   (a) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks

to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies;

(b) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

(2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature accordance with the provisions of Chapter 10 of the By-laws.

Availability

3. Admission to candidature for any Master's degree or any program within a Master's degree may be limited by quota.

4. In determining any quota the University will take into account:

(a) availability of resources including space, library, equipment and computing facilities; and

(b) availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.

5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.

6. Before recommending the admission of any applicant the Head of the Department, School, or Centre concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.

(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Method of progression

9. A candidate shall proceed:

(a) primarily by research and thesis; or

(b) by coursework and thesis; or

(c) primarily by coursework.

Time limits

10. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

11. (1) Except with the permission of Faculty or as provided in section 11 (3) below:

(a) a full-time candidate proceeding primarily by research and thesis shall complete the requirements not earlier than the end of the fourth semester and not later than the end of the sixth semester of candidature;

(b) a full-time candidate proceeding primarily by coursework shall complete the requirements not earlier than the end of the second semester and not later than the end of the sixth semester of candidature, except in the case of candidates proceeding to the award of the degree of Master of Occupational Therapy, where the minimum candidature is four semesters and maximum candidature is eight semesters;

(c) a part-time candidate proceeding either primarily by research and thesis shall complete the requirements not earlier than the end of the sixth semester and not later than the end of the tenth semester of candidature;

(d) a part-time candidate proceeding by coursework shall complete the requirements not earlier than the end of the fourth semester, and not later than the end of the tenth semester of candidature.

(2) The Faculty may in special circumstances extend a candidate's maximum period of candidature and may prescribe special conditions to be fulfilled by the candidate;

(3) The Faculty, at the time of admission to candidature, may permit a candidate proceeding primarily by research and thesis who holds a bachelor degree with first or second class honours from the University of Sydney or an equivalent qualification to complete the requirements not earlier than the end of the first year of candidature if a full-time candidate and not earlier than the end of the second year of candidature if a part-time candidate.

Credit

12. (1) The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:

(a) deem such time to have been time spent after admission to candidature; and

(b) grant credit towards the degree on the basis of a course or courses regarded as equivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.

(2) The Faculty may, under specific conditions prescribed by resolution of the Faculty, grant credit additional to that specified in subsection (1)(b) to holders of Graduate Diplomas awarded by the Faculty.

Supervision

13. (1) The Faculty shall appoint, on the recommendation of the Head of the Department, School or Centre concerned, a full- time member of the academic staff of the Faculty to act as supervisor of each candidate proceeding primarily by research and thesis or by coursework and thesis and may appoint, for each such candidate, an advisory committee.

(2) The Faculty shall appoint, on the recommendation of the Head of the Department, School or Centre concerned, a full-time member of the academic staff of the Faculty to act as supervisor or advisor, as thought most appropriate for each candidate proceeding primarily by coursework.

(3) The Faculty may appoint, on the recommendation of the Head of the Department, School, or Centre concerned, from amongst appropriately qualified persons, an associate supervisor to assist in the supervision of any candidature.

Enrolment

14. **(1)** A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the degree are completed or the candidature terminated;

(2) A candidate readmitted to candidature after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

Requirements for the degree

15. A candidate for the degree proceeding primarily by coursework shall complete the courses for the degree as prescribed by the Faculty and set out in tables of courses.

16. (1) A candidate for the degree proceeding primarily by research and thesis or by coursework and thesis shall:

(a) complete the courses for the degree as prescribed by the Faculty and set out in tables of courses;

(b) carry out supervised research on a topic which has been approved by the Faculty on the recommendation of the head of the department, school, or centre concerned no later than the end of the second semester of thefull-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 sizepaper sewn and bound inboards 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 maybe 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, inthesupervisor's opinion, the form of presentation of the thesis is satisfactory.

(7) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.

17. On completion of the requirements for the degree by a candidate proceeding primarily by research and thesis or by coursework and thesis, the Faculty, on the recommendation of the head of the department, school, or centre concerned, shall appoint two examiners, of whom one shall not be a member of the academic staff of the Faculty, to examine and report on the thesis.

18. The reports of the examiners shall be made available to the head of the department, school, or centre concerned who shall consult with the supervisor.

19. The head of the department, school, or centre concerned shall report the result of the examination of the candidature together with a recommendation concerning the award of the degree to the Faculty Board which shall determine the result.

20. In special cases the Faculty may, on the recommendation of the head' of the department, school, or centre concerned, require the candidate to

take a further examination in the area of the thesis which may be an oral examination to be held at the Cumberland Campus or at such other location as may be determined by the Faculty.

21. The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis for re-examination if, in the opinion of the head of the department, school, or centre concerned the candidate's work is of sufficient merit, and may prescribe special conditions to be fulfilled by the candidate.

22. On the completion of the requirements for the degree by a candidate proceeding primarily by coursework the head of the department, school, or centre concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

Progress

23. (1) A report on the progress towards completion of the requirements for the degree shall be prepared by the appointed supervisor at least annually in respect of each candidate proceeding primarily by research and thesis or by coursework and thesis.

(2) The report shall be shown to the candidate and the candidate shall sign the report as having sighted the contents.

(3) The report, after signature by the candidate, shall be forwarded to the Faculty through the head of the department, school, or centre concerned.

24. The Faculty may, on the recommendation of the head of the department, school, or centre concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

Diploma of Health Science

1. (1) The Diploma of Health Science may be awarded in the areas of:

(a) Aboriginal Health and Community Development.

2. (1) A unit shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as maybe prescribed by the Faculty or the school, department, or centre concerned.

(2) The words 'to complete a unit' and derivative expressions mean:

(a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and

(b) to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the school or department concerned.

(3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.

3. Where in these resolutions a power is given to the Faculty or a head of school, department, or centre subject to any express indication to the contrary or resolution passed by the Faculty, or a head of school or department may, in their discretion, in any particular case:

(a) exercise the power,

(b) exercise the power conditionally, or

(c) decline to exercise the power.

4. (1) A candidate readmitted to candidature for the diploma after an absence of more than one year shall complete the diploma under such conditions as the Faculty shall determine.

(2) Except with the permission of the Faculty, on the recommendation of the head of the school, department, or centre concerned, a candidate shall not enter a subject unless entry requirements prescribed for that subject have been satisfied.

5. A candidate may be granted credit towards the diploma on the basis of a subject or subjects regarded by theFaculty, on the recommendation of the head of school, department, or centre concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided the maximum credit granted shall not exceed the equivalent of two-thirds of the diploma requirements.

6. A candidate for the diploma shall complete the units as set out in the following tables in respect of the appropriate diploma area.

Diploma of Health Science

A. Aboriginal Health and Community Development (2 year full-time block attendance, plus off-campus)

Year 1

Perspectives in Indigenous Health I
Communication Skills I
Primary Health Care I
Community Development I
Counselling I
Elective Studies IA
Elective Studies IB
Field Education I

Year 2 (to be first offered in 1998)

Perspectives in Indiginous Health II
Communication Studies II
Primary Health Care II
Community Development II
Counselling II
Elective Studies IIA
Elective Studies IIB
Field Education II

Graduate Diplomas and Graduate Certificates

Subject areas

1. The Graduate Diploma of Applied Science may be taken in the following subject areas:

(i) Health Information Management

(ii) Manipulative Physiotherapy

(iii) Medical Ultrasonography

(iv) Physiotherapy
(v) Sports Physiotherapy

2. A Graduate Diploma may be taken in the following subject areas:
(i) Behavioural Health Science
(ii) Child and Adolescent Health
(iii) Clinical Data Management
(iv) Community Health
(v) Exercise and Sport Science
(vi) Gerontology
(vii) Health Science Education
(viii) Rehabilitation Counselling
(ix) Vision Impairment.

3. The Graduate Certificate of Applied Science may be taken in the following subject areas:
(i) Occupational Therapy
(ii) Physiotherapy.

4. A Graduate Certificate maybe taken in the following areas:
(i) Behavioural Health Science
(ii) Casemix
(iii) Child and Adolescent Health
(iv) Clinical Data Management
(v) Health Science Education
(vi) Vision Impairment

Eligibility for admission

2. (1) The Faculty, may, on the recommendation of the head of the department, school, or centre concerned, admit to candidature for a graduate diploma or graduate certificate within the Faculty an applicant is:
(a) whois agraduateof the Universityof 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 persue 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 ofresearchcandidaturesandthecoordination of coursework programs.

5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.

6. Before recommending the admission of any applicant the head of the department or school concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer than two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Time limits

9. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

Credit

10. (1) The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
(a) deem such time to have been time spent after admission to candidature; and
(b) grant credit towards the graduate diploma or graduate certificate on the basis of a course or courses regarded asequivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.

Enrolment

11. (1) A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the graduate diploma or graduate certificate are completed or the candidature terminated;
(2) A candidate readmitted to candidature after an absence of more than one year shall

complete the graduate diploma or graduate certificate under such conditions as the Faculty shall determine.

Requirements of the Degree

12. A candidate for the graduate diploma or graduate certificate shall complete the courses for the graduate diploma or graduate certificate as prescribed by the Faculty and set out in the table of courses.

13. On completion of the requirements for the graduate diploma or graduate certificate the head of the department or school concerned, shall report the results of the examination of the coursework to the Faculty which shall determine the results of the candidature.

Progress

14. The Faculty may, on the recommendation of the head of the department, school, or centre concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the graduate diploma or graduate certificate and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

Appendix 1
Elective Unit Descriptions

This appendix lists elective units for honours students. The electives are related to research methods. These are forty-two hour units and many meet for three hours per week for a semester. Not all electives are offered each semester and some are available on the basis of contract learning or as reading unit. Students who require further information about the content or administration of electives, or when they will be offered, should contact the School or Department offering the elective. Information about when the research electives are timetabled is available from the school or department offering the elective. The first four letters indicate the school or department which offers the unit (see the following table).

Units beginning with the letters	Taught by	Office	Phone
BEHS	Department of Behavioural Sciences	G101	9 351 9228
BIOS	Department of Biomedical Sciences	S134	9 351 9455
CSCD	School of Communication Sciences and Disorders	B100	9 351 9450
COMH	School of Community Health	T409	9 351 9494
EXSS	School of Exercise and Sport Science	S140	9 351 9612
fflMT	School of Health Information Management	T301	9 3519494
MRTY	School of Medical Radiation Technology	M201	9 351 9640
ORTH	School of Orthoptics	T321	9 351 9250
OCCP	School of Occupational Therapy	M501	9 351 9386
PHTY	School of Physiotherapy	O100	9 351 9273

Research Electives

COMH4025 (084A5) Epidemiological Research

Semester 2 - 3 credit points

Contact: Dr K Brock (Ph: 9 351 9124)

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

COMH4026 (084A6) Evaluation Research

Semester 2 - 6 credit points

Contact: Mr **Ian** Hughes (Ph: 9 351 9110)

In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services. Empowering and critical approaches will be included.

COMH4027 (084A7) History and Philosophy of Scientific Methodology

Semester 1 and 2 - 3 credit points

Contact: Rod Rothwell (Ph: 9 351 9122)

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

COMH4028 (084A8) Action Research

Semester 1 - 6 credit points

Contact: Ian Hughes (Ph: 9 351 9110)

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the internet.

HIMT4045 (09471) Research Elective Independent Study

Semester 1 - 3 credit points
Semester 2- 3 credit points

(for Health Information Management students only)

Contact: Prof B Reid (Ph: 9 351 9059)

This unit will function as an independent study program allowing students to pursue an area of study related to the development of knowledge and skills in a specific area in preparation for their thesis.

BEHS4037 (10489) Intermediate Statistics

Semester 1 and 2- 3 credit points

Contact: Dr P Choo (Ph: 9 351 9583)

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

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

BEHS4039 (10491) Qualitative Research Methods

Semester 1 or 2-3 credit points

Contact: Dr G Sullivan (Ph: 9 3519588)

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, andstudents work on a research project of their choice throughout the semester. This unit is usually offered on Wednesdays 4-7 pm.

BEHS4040 (10492) Survey Research Methods

Semester 2-3 credit points

Contact: Dr G Sullivan (Ph: 9 351 9588)

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

BEHS4041 (10493) Developing a Research Project

Semester 1 - 3 credit points

Contact: Dr G Sullivan (Ph: 9 351 9588)

Pre-requisite Research Methods I and II or equivalent.

This unit is for post-graduate students who have previously studied research methods at the undergraduate level and who are in the initial stages of developing a research project. 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 researchprocess. Basicresearch 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.

EXSS4003 (22404) Biological Measurement and Analysis

Semester 2 - 3 credit points

Contact: Dr R **Smith** (Ph: 9 351 9462)

This unit is a study in measurement, recording and analysis of biological signals,. Concepts in the nature of biological signals, their transduction, storage and display, are presented and worked on within the students; own specific research application.

OCCP4031 (15465) Single System Research Design and Evaluation Methods

Semester 2 - 3 credit points

Contact: Ms Judy Ranka (Ph: 9 3519207)

The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opp ortunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recordingprocedures associated with single system designs; basic and advanced designs for single system evaluation and research; and visual and statistical analysis of single system data.

OCCP4032 (15479) Research Design and Methods for Therapists

Semester 1 - 3 credit points

Contact: Ms Judy Ranka (Ph: 9 3519207)

The purpose of this unit is to explore a variety of research designs, research methods, and related issues appropriate to applied research. The exploration will be accomplished through student led seminar discussions of selected readings and each student will develop a research proposal on a topic of their choice content will include such things as: an overview of appropriate research designs, strengths and weaknesses of a broad selection of designs and methods, reliability and validity, selection of a study population, research ethics, development of research statements and questions, proposal writing, and the use of computers and other technology in research.

OCCP4036 (15483) Research in Occupational Therapy Clinical Practice

Semester 2- 3 credit points

The purpose of this unit is for students to investigate issues in applied research and evaluation in clinical practice of occupational therapy. The unit will address historical perspectives on research in occupational therapy; common problems for research in clinical settings and procedures that are appropriate to the applied context.

Appendix 2
Code of Practice for Undergraduate Teaching, Learning and Assessment

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, learningand assessmentpractices are available to teachers of undergraduates through the Centre for Teaching and Learning, and/or through programs developedby 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 downby 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 co-ordinator 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 assessmentorganisedby 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 userelevant 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 the following web address:
http://wwTv.usyd.edu.au/su/planning/policy/

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