

Faculty of Medicine, Dentistry and Health Sciences

The faculty comprises the School of Medicine, the School of Dental Science, the School of Physiotherapy, the School of Behavioural Science, the School of Nursing, the School of Population Health and the School of Rural Health, offering undergraduate and postgraduate programs.

Over 200 academic staff teach either on campus or in the faculty's many affiliated hospitals and research institutes with the assistance of a large number of experienced part-time teachers who are actively involved in general or specialist medical practice.

The following major hospitals are affiliated with the faculty:

- Austin Health and Northern Health
- Ballarat Health Services
- Barwon Health
- Goulburn Valley Health
- Melbourne Extended Care and Rehabilitation Service
- Melbourne Private Hospital
- Mercy Hospital for Women
- Northeast Health, Wangaratta
- North Western Mental Health
- Peter MacCallum Cancer Institute
- Royal Children's Hospital
- Royal Dental Hospital of Melbourne
- Royal Melbourne Hospital
- Royal Victorian Eye and Ear Hospital
- Royal Women's Hospital
- Shepparton Private Hospital
- St. Vincent's Hospital
- St. Vincent's and Mercy Private Hospital
- St. Vincent's Mental Health Service
- Sunshine Hospital
- Wangaratta Base Hospital
- Western Hospital
- Williamstown Hospital

The faculty is also affiliated with a wide range of research institutes and research centres which are listed on the faculty web site at <<http://www.mdhs.unimelb.edu.au>>.

The School of Medicine was the first medical school established in Australia. It opened in 1862, seven years after the University formally opened.

Today it enrolls approximately 290 new medical students each year, with males and females in approximately equal proportions. Students come from all social and cultural backgrounds, providing a social mix which reflects Australian society at large and includes students from many overseas countries.

Recent years have seen significant increases in outside research funding, research staff, and medical and science graduates studying for higher degrees at the school and its affiliated institutes.

The school's very strong research capability plays a key role in postgraduate education and training and in fostering the highest quality undergraduate medical education.

The School of Medicine has a dual undergraduate/graduate entry medical course which comprises approximately two-thirds school leavers and one-third graduate entry students. This dual entry program has broadened the range of people undertaking the medical course and enriched the study environment.

To be registered as a legally qualified medical practitioner by the Medical Practitioners' Board of Victoria, medical graduates undertake an additional year's training as an intern on the staff of an approved general hospital. Most graduates continue to gain experience, knowledge and special skills in teaching hospitals for between two and five years.

Some of this further training is provided by members of University clinical departments. Much of it is under the guidance of specialist colleges such as the Royal Australian College of General Practitioners (RACGP), Royal Aus-

tralian College of Obstetricians and Gynaecologists (RACOG), Royal Australasian College of Physicians (RACP), Royal Australasian College of Surgeons (RACS), Royal Australasian College of Radiologists (RACR), and Royal Australian and New Zealand College of Psychiatrists (RANZCP).

The school also offers a range of postgraduate coursework and research programs. Further information is available on the School of Medicine web site at <<http://www.medicine.unimelb.edu.au>>.

The School of Dental Science traces its origins back to 1884 when the Odonatological Society of Victoria sought to establish a college and hospital for the training of students in dentistry. Establishment of the Australian College of Dentistry followed in 1892. The College was affiliated with the University of Melbourne in 1904.

In 1996 with the introduction of the Diploma in Oral Health Therapy, the school became the first institution to provide training for dental therapists and dental hygienists in Victoria. Prior to that time, there was no training available in Victoria for dental hygienists and the training of dental therapists in Victoria had been undertaken by the Dental Therapy School.

The school is the only dental school in Victoria and offers two undergraduate qualifications: the Bachelor of Dental Science (BDS) and the Bachelor of Oral Health (BOH).

The Bachelor of Dental Science is a fixed, five-year program which enrolls approximately 70 new students each year. Graduates qualify for registration with the Dental Practice Board of Victoria as legally qualified dentists. The first BDS degree was conferred in 1906.

The Bachelor of Oral Health commenced for the first time in 2005. It is a fixed, three-year program which enrolls 20 new students each year. Currently, the course has a single vocational outcome, i.e. hygiene or therapy but it is expected that from 2007 it will have a dual vocational outcome of hygiene and therapy. This means that graduates will qualify for registration with the Dental Practice Board of Victoria as dental hygienists and dental therapists.

The school's internationally recognised research capabilities play a major role in both undergraduate and postgraduate education and training, and in the development of the highest quality teaching and facilities.

Teaching is provided by full-time academic staff and part-time general and specialist dental practitioners.

The School of Physiotherapy was established in the faculty in 1991 and the first intake of students graduated at the end of 1994. However, the clinical science of physiotherapy commenced its association with the University in the 1890s and physiotherapists have undertaken medical science subjects at the University since that time. The school is located in Berkeley Street, close to the Medical Sciences Building and the Brownless Biomedical Library.

The Bachelor of Physiotherapy is a four-year degree awarded at honours or pass level. Approximately 100 students enrol each year. The undergraduate program provides students with a strong scientific foundation to physiotherapy and the opportunity to develop high quality clinical physiotherapy and research skills. The course is renowned for its development of a wide range of generic skills. In first year physiotherapy students begin clinical placements in hospitals of the clinical schools associated with the University. Students pursue their physiotherapy science and clinical subjects in an integrated mode throughout the course. Elective studies within Australia and overseas provide students with the opportunity to enhance their knowledge of international health systems and their management, and further develop clinical practice and management skills. Undergraduate students are encouraged to participate in the school's research programs under the guidance of clinical physiotherapists and other researchers.

Many physiotherapists undertake further study and the school offers postgraduate studies in research at PhD and masters level. The Master of Physiotherapy by coursework may be undertaken in the following clinical areas: musculoskeletal, cardiothoracic, neurological, sports, continence and women's health, paediatric physiotherapy, advanced practice and general physiotherapy. The school also offers a Postgraduate Diploma in Physiotherapy as well as a number of postgraduate certificates.

The School of Behavioural Science: In January 1992 the Department of Psychology became the fourth school (The School of Behavioural Science) within the Faculty of Medicine, Dentistry and Health Sciences. Today there

are over 1600 undergraduates enrolled in the School. Teaching is provided by around 45 academic staff and over 100 associates.

The School offers a major in psychology in the Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, or many combined degrees. It also offers a fourth-year honours course in the BA or BSc, and a Postgraduate Diploma in Psychology through the Faculty of Medicine, Dentistry and Health Sciences.

A Graduate Diploma in Psychology is offered to graduates of another discipline to allow them to commence a career in psychology by completing an undergraduate major.

The School has an active graduate program with a wide range of course options. Master and/or Doctor of Psychology degrees are offered in organisational/industrial psychology, clinical neuropsychology, health psychology and clinical psychology (an international clinical speciality is offered in the Master of Psychology and a child speciality offered in the Doctor of Psychology (Clinical)).

The School also offers research higher degrees in the Master of Arts, Master of Science and the PhD program. A combined Master of Psychology/PhD was introduced in 1999.

The School of Nursing was introduced within the Faculty of Medicine, Dentistry and Health Sciences in 1996. It was established on the philosophy that clinical practice and practice-based research are integral to the educational preparation of nurses within various fields of specialty practice. The School is committed to becoming a centre of excellence for undergraduate and postgraduate education and evidence-based research in advanced clinical practice; and to establishing strong collaborative teaching, practice and research nationally and internationally. Since its inception, the School has responded to market demand for flexible course delivery involving multimedia on-line courses and is committed to developing internet-based education and training programs that add educational value, rather than merely breaking new ground technologically. The Bachelor of Nursing Science articulates with the postgraduate courses offered by the School. The School also offers an honours program, higher degree programs and a PhD. The School encourages students to think of their education as an ongoing endeavour, rather than a one-off experience of formal training.

The School of Population Health offers a unique and exciting range of postgraduate professional education and research training opportunities. The School of Population Health is a single-department school consisting of the Department of Public Health. The Department of Public Health brings together seven centres and units. The School is unique in Australia, with a population health focus on urban and rural health issues, on indigenous and international health, on the links between genomics and public health, and a solid commitment to rigour in scientific methods, be they in quantitative or in qualitative traditions.

The School of Population Health has considerable strengths in traditional public health sciences as well as in social sciences, ethics and medical humanities, and in newer molecular and genetic epidemiologic disciplines.

The School of Rural Health comprises the Department of Rural Health and the Rural Clinical School. Located in Shepparton, the school promotes research, education and community strategies in rural health. Its purpose is to improve the health and well-being of rural and indigenous communities by providing leadership and excellence in collaborative, multidisciplinary and culturally sensitive research and education.

Objectives of the faculty

The general objectives of the Faculty of Medicine, Dentistry and Health Sciences are:

Medicine

- to preserve, refine and advance knowledge in basic and applied medical science, relevant to understanding, preventing and alleviating human disease;
- to provide the highest quality undergraduate, postgraduate and continuing education in medicine and biomedical science; and
- to contribute to leadership in the development of the community by effective interaction with groups outside the University.

Dental Science and Oral Health

- to provide leadership in the refinement, advancement and dissemination of knowledge in relation to oral health;
- to provide excellence in educational programs in order to prepare graduates who are competent to provide for the oral care needs of the community; and
- to foster the involvement of the dental profession in relevant community groups.

Physiotherapy

- to preserve, refine and advance knowledge in physiotherapy sciences relevant to the promotion and maintenance of health;
- to achieve excellence in undergraduate, postgraduate and continuing education in physiotherapy; and
- to contribute to leadership in the development of the local and international community by effective interaction with the physiotherapy profession and other appropriate groups outside the University.

Behavioural science (psychology)

- to preserve, refine and advance knowledge in basic and applied psychology;
- to produce graduates with a comprehensive perspective of a broad range of areas of psychology and its place in the community; and
- to train graduates to use scientific methods of investigation for the accumulation of professional knowledge.

Nursing

The School of Nursing:

- provides nursing education high quality programs from undergraduate through to PhD;
- develops programs with a clinical focus that are in tune with the educational needs and realities of the 21st century;
- forges strong international teaching, practice and research collaborative links;
- develops and maintains close liaison with clinical agencies;
- provides unity, leadership and service through collaborative relationships with external and professional organisations, participation in public discourse, and continuing education programs;
- is recognised nationally and internationally in areas of advanced clinical nursing research;
- promotes evidence-based nursing to strengthen the practice-research nexus.

Population health

- to help educate undergraduates, postgraduates, clinicians in all sectors of the health care industry, scientists, professionals and leaders in population health;
- to provide a translational bridge between new technology developments in genomics and proteomics through health services and social structures to the population whose health we aim to protect and promote; and
- to inculcate a population health approach in all areas of health care and in the community where opportunities for disease and injury prevention exist (often through agencies and individuals outside the health system).

Rural health

- to develop and deliver quality education and research activities for rural and Aboriginal people in a collaborative and cross-culturally sensitive manner;
- to develop, evaluate and support the implementation of innovative and effective strategies to enhance the recruitment, retention, and quality of rural and Aboriginal health workforces;
- to develop, evaluate and support the implementation of innovative and effective methods of quality health service delivery for rural and Aboriginal people;
- to develop, evaluate and support the implementation of innovative and effective ecological methods of improving the health and well-being of rural and Aboriginal people; and
- to act as catalyst, support and advocate for rural and Aboriginal communities.

Continuing education

Dental Science and Oral Health

Continuing dental education courses are directed to the needs of dental practitioners and those in associated health professions.

The courses are usually short and intensive and can consist of a one-day lecture program to a four-day hands-on program. The courses cover clinical and research topics for specialists and general practitioners.

Participants interact with specialists and their colleagues in a context designed to meet the needs of busy professionals. All courses are accredited by the ADA (Vic. Branch) Professional Development Committee.

Physiotherapy

A continuing and professional education program in physiotherapy is also available for qualified physiotherapists. Further details are available from the School of Physiotherapy Office.

The Dean's lecture series

This series provides a public forum for presentation of the latest research and developments in medicine, dentistry and the health sciences. A seminar on a health topic with broad community implications completes the series in July each year. Students, graduates and all those interested in the topics are invited to attend.

University of Melbourne Medical Society

The University of Melbourne Medical Society (UMMS) is an alumni society for medical graduates of the University of Melbourne. UMMS aims to continue the relationships begun during the undergraduate years of medical training with fellow students and with the School of Medicine. Each year members receive a high quality journal, *Chiron*, which covers news and important debates and lectures from the School of Medicine as well as articles on medical history and on developments in medical education and research. In addition, a newsletter, the *Melbourne PostCard*, offers members current alumni news twice each year.

Society of Alumni and Friends of Dental Science (SAFODS)

BDS and BOH graduates are eligible to join the Society of Alumni and Friends of Dental Science (SAFODS). This society aims to promote and develop continuing education and scholarship, and to continue the relationship, begun during the undergraduate years of training, between fellow students and the Dental School. The recently introduced newsletter, *Dent-al*, offers members current alumni news three times a year.

University of Melbourne Physiotherapy Alumni Society (UMPAS)

The University of Melbourne Physiotherapy Alumni Society (UMPAS) commenced in June 1992.

UMPAS aims to promote and develop the school, awards an annual citizenship prize and provides support and networking opportunities for past and present students. A regular newsletter and a web site inform members of school and society activities.

Careers for medicine, dental science, oral health, physiotherapy, behavioural science (psychology) and nursing graduates

Medicine

The variety of careers available to graduates is enormous. Few professions can boast such a diversity of opportunity, ranging from general practice to surgery, pathology to obstetrics and gynaecology, and paediatrics to psychiatry. Other specialities include anaesthetics, geriatric medicine, rehabilitation medicine, dermatology, radiology, neurosurgery and occupational medicine.

Graduates may also become medical administrators in hospitals or government departments, or medical academics and/or researchers involved with teaching and/or medical research.

Graduates are required to complete an intern year in an Australian hospital as a prerequisite for full medical registration. Many graduates will then stay in a hospital for at least one or two more years. Those who wish to train for one of the major specialities may need to continue in a teaching hospital for about five years after the intern year.

Postgraduate training for most of the specialities is supervised by speciality colleges or societies. The colleges run their own qualifying examinations, specify training programs, and attend to the professional needs of their members after they have qualified for membership.

Dental Science (BDS) and Oral Health

BDS: Careers are available to BDS graduates in private practice, public hospitals, the health services (such as the School Dental Service run by Dental Health Services Victoria), academic teaching and research and the three armed services. Most graduates enter private general practice; however, a number of graduates undertake postgraduate training. The School offers a postgraduate Diploma in Clinical Dentistry, a Graduate Diploma in Forensic Odontology, a Doctor of Clinical Dentistry (DClinDent) by coursework and minor thesis and a Master of Dental Science (MDS) by research and major thesis. PhD studies are also available. The Master of Science (Dental Science) is also available to BSc (Hons) graduates.

As the emphasis in dentistry changes from corrective to preventive work, dentists are increasingly working conjointly with auxiliary health professionals such as dental therapists, licensed dental nurses, dental hygienists and advanced dental technicians.

The University of Melbourne's BDS is recognised in all Australian states and in New Zealand. Graduates may apply for registration as a dentist (without further examination) anywhere in Australia or its territories.

Registration as a dentist may also be granted in some other countries, subject to the requirements of the registering authorities being met.

Oral Health: The Bachelor of Oral Health graduates work as dental therapists or dental hygienists in both the public and private sectors, general and specialist dental practice and oral health promotion and teaching. Dental therapists provide dental care for children and adolescents under the supervision of a practising dentist. They examine oral and dental conditions, restore and conserve permanent and deciduous teeth, perform extractions of deciduous teeth and remove calculus.

Dental hygienists provide dental care for all age groups under the supervision of a practising dentist. They examine and record the nature and severity of periodontal conditions and clean, scale and root-plane teeth.

Both therapists and hygienists undertake dental health promotion, a range of orthodontic and preventive procedures, including impressions, topical fluoride applications and fissure sealants and take and interpret radiographs.

The University of Melbourne's BOH is recognised in all Australian States and in New Zealand.

Physiotherapy

All Australian Physiotherapy Registration Boards recognise the BPhysio for professional registration as a physiotherapist. Physiotherapy also provides its graduates with opportunities for an international career. Our course prepares graduates for careers in health promotion and in health care settings such as hospitals, outpatients' clinics, private practice, rehabilitation centres, patients' homes, schools, extended care facilities, sports venues, aged-care centres, industrial and commercial premises, nursing homes, psychiatric centres and educational institutions. Physiotherapists also work with community organisations and as consultants to industry and government bodies. Physiotherapists are academics and researchers in universities and there are opportunities to undertake clinical research careers. Graduates from the course have gained employment early in the year following completion of their degree. The Bachelor of Physiotherapy qualification is well regarded overseas and graduates are highly sought after and many physiotherapists use this to their advantage and travel and work overseas as part of their career development.

Many physiotherapists commence their careers as junior physiotherapists in public health care settings such as hospitals or large private practices, where they rotate through specialist physiotherapy units and are provided with the opportunity to reinforce and consolidate their knowledge and clinical skills. Career paths in hospitals develop along clinical and administrative lines. Senior clinical physiotherapists are highly experienced in a particular area of physiotherapy and are responsible for senior and junior staff, and for undergraduate and postgraduate students. Private physiotherapy practice encompasses many sub-discipline areas and may range from individual to large multidiscipline practices.

Physiotherapy graduates of the school have established their careers within the public service and in private centres within Australia and overseas. In community centres, the physiotherapist is a resource to provide health and treatment education for local residents. Physiotherapists also work in the Department of Human Services, in School Support Centres, and in individual schools of various types. In private practices, physiotherapists work in every suburb and country district for clients who require their diverse services.

Many physiotherapists undertake postgraduate studies to enhance career opportunities in clinical practice, teaching, research and management.

Behavioural science (psychology)

Psychology is concerned with the study of human behaviour and experience. People trained in psychology work in a wide variety of areas in health, education, industry, commerce, welfare and government.

To be able to practise as a psychologist in Victoria, registration is required with the Psychologists Registration Board of Victoria. To register with the Board, an accredited four-year sequence in psychology, followed by either two years of postgraduate training or two years supervised experience, is required.

Specialisation normally requires additional study and a further two years of supervised training. Some of these areas of specialisation are community psychology, counselling psychology, educational psychology, forensic psychology, clinical neuropsychology, clinical psychology, organisational psychology and sport psychology. Upon completion of training as a psychologist, graduates may be eligible for full membership of certain professional organisations, such as the Australian Psychological Society, and their colleges.

Nursing Science

Bachelor of Nursing Science (BNSc) graduates are eligible to apply for registration as Division 1 Nurses with the Nurses Board of Victoria (NBV). Registration with the NBV may be recognised in other states and countries. During the first year of employment, it is usual for graduate nurses to undertake a Graduate Nurse Program. A Graduate Nurse Program involves paid employment whilst recognising your needs as a newly qualified nurse, allowing you to consolidate your knowledge in clinical practice. A Division 1 Nurse may choose a variety of career paths. These include: Clinical Nurse Consultant; Clinical Nurse Specialist; Community Health Nurse; Mental Health Nurse; Nurse Educator; Nurse Manager; Nurse Researcher.

Graduates of the Bachelor of Nursing Science may continue their studies into specialist areas of interest. The School of Nursing offers opportunities for study at postgraduate level by coursework and by research. The courses offered by the School include:

- Bachelor of Nursing Science (Honours);
- Postgraduate Diploma in Advanced Clinical Nursing;
- Master of Nursing by Coursework;
- Master of Nursing by Research;
- Doctor of Philosophy (PhD).

The postgraduate diploma includes specialist areas: Anaesthetics; Paediatric; Emergency; Mental Health; Perioperative; Psychiatric; Cancer; Cardiothoracic; Coronary Care; Critical Care; Intensive Care; Rural Critical Care.

Further information about these courses is on the School's web site at <<http://www.nursing.unimelb.edu.au>>

Faculty courses

Undergraduate

- Bachelor of Biomedical Science *BBiomedSci* - administered by the Science Faculty
- Bachelor of Dental Science *BDS*, *BDS(Hons)*
- Bachelor of Dental Studies *BDS*
- Bachelor of Oral Health (Hygiene) *BO**OralHlth(DentHyg)*
- Bachelor of Oral Health (Therapy) *BO**OralHlth(DentThrp)*
- Bachelor of Medical Science *BMedSc*
- Bachelor of Medical Science (Honours) *BMedSc(Hons)*
- Bachelor of Medicine/Bachelor of Surgery/Bachelor of Medical Science *MBBS/BMedSc*, *MBBS(Hons)/BMedSc*
- Bachelor of Medicine/Bachelor of Surgery/Bachelor of Arts *MBBS/BA*
- Bachelor of Nursing Science *BNSc*
- Bachelor of Physiotherapy *BPhysio*, *BPhysio (Hons)*

Graduate and Postgraduate

- Graduate Certificate in Adolescent Health and Welfare *GCertAdolHlthWlf*
- Post Graduate Certificate in Palliative Medicine *PGCertPallMed*
- Graduate Certificate in Psycho-Oncology *GCertPsych-Onc*
- Post Graduate Certificate in Biostatistics *PGCertBiostat*
- Graduate Certificate in Case Management *GCertCaseMgt*
- Post Graduate Certificate in Health Services Research and Evaluation *PGCertHlthServRes&Eval*
- Graduate Diploma in Adolescent Health and Welfare *GDipAdolHlthWlf*
- Graduate Diploma in Audiological Science *GDipAudSc*
- Graduate Diploma in Biotechnology *GDipBiotech*
- Graduate Diploma in Biostatistics *GDipBiostat*
- Graduate Diploma in Case Management *GDipCaseMgt*
- Graduate Diploma in Drug Evaluation and Pharmaceutical Sciences *GDipDrugEvalPharmSc*
- Graduate Diploma in Epidemiology and Biostatistics *GDipEpid&Biostat*
- Graduate Diploma in Forensic Odontology *GDipForOdont*
- Graduate Diploma in Genetic Counselling *GDipGenetCouns*
- Graduate Diploma in Health Promotion *GDipHlthProm*
- Graduate Diploma in Mental Health Sciences *GDipMentHlthSc*
- Graduate Diploma in Psychology *GDipPsych*
- Graduate Diploma in Social Health *GDipSocialHlth*
- Graduate Diploma in Women's Health *GDipWH*
- Postgraduate Certificate in Women Centred Clinical Care *PGCertWCCC*
- Postgraduate Certificate in Physiotherapy *PGCertPhysio*
- Postgraduate Diploma in Ambulatory and Home Care Nursing *PGDipAHCN*
- Postgraduate Diploma in Advanced Clinical Nursing *PGDipACN*

- Postgraduate Diploma in Clinical Dentistry *PGDipCD*
- Postgraduate Diploma in Perioperative and Critical Care Echocardiography *PGDipEcho*
- Postgraduate Diploma in Physiotherapy *PGDipPhysio*
- Postgraduate Diploma in Psychology *PGDipPsych*
- Master of Audiology *MAud*
- Master of Biostatistics *MBiostat*
- Master of Clinical Audiology *MCLinAud*
- Master of Dental Science *MDS*
- Master of Epidemiology *MEpid*
- Master of Gynaecology and Obstetrics *MGO* (not accepting enrolments in 2006) *MGyn&Obstet*
- Master of Health Promotion *MHP*
- Master of Health Sciences *MHSc*
- Master of International Mental Health *MIMH*
- Master of Medicine *MMed*
- Master of Nursing *MNurs*
- Master of Physiotherapy by coursework *MPhysio(CW)*
- Master of Physiotherapy by research *MPhysio*
- Master of Primary Health Care *MPHC*
- Master of Psychology *MPsych*
- Master of Psychology/Doctor of Philosophy *MPsych/PhD*
- Master of Public Health *MPubHlth*
- Master of Rural Health *MRurHlth*
- Master of Science by Research *MSc*
- Master of Social Health *MSocHlth*
- Master of Sports Medicine *MSM*
- Master of Sports Medicine by Research *MSPMed*
- Master of Women's Health *MWH*
- Master of Youth Health and Education Management *MYHEM*
- Doctor of Clinical Dentistry *DCD*
- Doctor of Clinical Physiotherapy *DClinPhys*
- Doctor of Dental Science *DDSc*
- Doctor of Medicine *MD*
- Doctor of Philosophy *PhD*
- Doctor of Psychology *DPsych*
- Doctor of Public Health *DPubHlth*

Undergraduate entry

Minimum prerequisites for entry in 2006 to the medical, dental science and physiotherapy courses are VCE English (any), chemistry, and one of mathematical methods, specialist mathematics or physics (or equivalent).

Minimum prerequisites for entry in 2006 to the Bachelor of Oral Health (Therapy or Hygiene) course are VCE English (any) and Chemistry or Biology.

Selection into the medicine, dental science, oral health and physiotherapy courses in 2006 will be based upon a combination of the applicant's ENTER, performance in the prerequisite subjects, and performance in an undergraduate medical admissions test (UMAT).

Minimum prerequisites for entry in 2005 to the Bachelor of Nursing Science (Standard) are VCE English (any) or graduates with an approved degree or diploma of at least three years duration. Prerequisites VCE subjects will change for entry in 2006. Please see the School of Nursing web site for further details.

Prerequisites for entry in 2005 to the Bachelor of Nursing Science (Accelerated) are a) an approved degree or diploma of at least three years' duration in the life or physical sciences, b) registration as a Division 2 Nurse plus 12 months work experience or c) a qualification as an Aboriginal Health Worker with two years' work experience. Applicants in categories b) and c) may be required to sit an entry test. Please contact the School for details.

There are no prerequisites to commence studies in psychology, however, the School recommends VCE biology and mathematics. Students must be accepted into a degree course before they can apply to their faculty to study psychology. Please refer to the relevant faculty entry requirements.

Access Melbourne

Access Melbourne enhances opportunities for selection into a course as it provides prospective students with the opportunity to explain the on-going circumstances that have affected their chance of gaining a place at The University of Melbourne. All applicants will also be considered for a Melbourne Access Scholarship.

Faculty of Medicine, Dentistry and Health Sciences

Twenty per cent of the University's new undergraduate Commonwealth supported places will be offered to students who have applied through Access Melbourne. This will result in approximately 1000 places being filled in 2006 through Access Melbourne. Up to 200 of these students will be awarded a Melbourne Access Scholarship which offers a HECS-exempt place plus \$2000 or \$4000 a year for up to four years depending on whether the applicant is from a rural background.

Application for an Access Melbourne place is by the SEAS form <<http://www.vtac.edu.au>> with a due date of 7 October 2005.

Special initiatives for rural and regional students

The Federal Government and the faculty have introduced a range of bonded medical places, bonded and non-bonded scholarships and other financial initiatives to help students from rural and regional backgrounds to gain entry and complete a course in medicine. Further information is available from the School of Medicine's web site at <www.medicine.unimelb.edu.au>.

Mature-age candidates

There is no mature-age entry scheme for the medicine, dental science, oral health, nursing or physiotherapy courses. The Selection Committee will consider the full academic record of non-school leaver applicants. Recent study would be expected, and applicants must meet the prerequisite requirements or their equivalents, and applicants must also undertake the UMAT test (where applicable).

Financial assistance

Assistance is available to medical and dental science students through cadetships with the armed services. These cadetships and scholarships are normally available from the third year of the course and involve a commitment to serve with sponsoring authority for a limited period after graduation.

Students who experience financial difficulties during the course may apply for student loans within the University through the Student Support Services. A number of bursaries are offered annually to students in financial need - see your school office for further information.

Animal experimentation in practical classes

Some subjects offered by the faculty involve the use of animal experimentation. These experiments are an essential part of the course and exemptions are not possible. All animal experimentation in the University is subject to the rigorous control of the Animal Experimentation Ethics Committee. In general, the University aims to reduce animal usage to the minimum consistent with academic needs. As well, computer simulations are being used where possible as an alternative to the use of live animals.

Health requirements

In order to meet health requirements for working with patients in health care settings, and for the protection of yourself, your patients and other students, you must follow some precautionary procedures. These include: confidential tests for immune status to a number of infectious diseases (including blood and skin tests); receiving vaccines; undergoing X-rays if indicated. These procedures will be necessary where the evidence indicates that they are appropriate and that there are no contraindications in your case. This policy is in accord with the National Health and Medical Research Council advice that educational institutions training students in health sciences should ensure that students are protected, as far as possible, by vaccination against the risk of infection. When you enrol you will be provided with information and counselled about the risks of cross infection in the health care setting. In particular, the issues relating to health care students who are infected with Hepatitis B, Hepatitis C or HIV will be addressed. The Australian Immunisation Handbook identifies risk countries in relation to these infections. Please contact the relevant School Office if you believe you may be at risk.

Police check for clinical placements

Organisations that host clinical placements require you to have obtained a police check regarding your suitability to undertake such placements. If you are an enrolled student or a prospective student, you are advised that you are required to obtain, and pay for, police checks prior to commencing and during your course.

Attendance requirements

Attendance requirements are 75% for lectures, tutorials and practical classes and 100% for clinical placements and field visits. Students failing to comply with this requirement without appropriate medical documentation may be excluded from examinations. In addition, competent performance in carrying out the duties and work prescribed in all subjects is required. Students are expected to attend lectures, and it is to their advantage to do so.

Nursing Science students are expected to attend all lectures, in addition to tutorials and laboratory sessions. Details of all class times will be included in subject outlines which will be distributed at the beginning of each semester.

Dean's Honours List

The Dean's Honours List recognises the achievement of the faculty's outstanding students each year. Students are selected on academic merit and receive a letter from the Dean and official acknowledgement on their academic transcript.

Prizes, scholarships and bursaries are also awarded to students for academic excellence at each year level and in individual subjects in faculty courses.

Further details are available from the relevant school office.

Can I study overseas?

There is no provision to undertake part of the medical, dental science, oral health or nursing courses overseas on an exchange basis, however MBBS/BA students may apply to take part of their arts component through the study abroad program. Opportunities exist for a limited number of second-year physiotherapy students to undertake exchange or study-abroad placements. Students in medicine and physiotherapy are approved to take an elective overseas, and medical students may also be approved to undertake their advanced medical science subjects overseas. BDS and BOH students have the option of taking elective studies in overseas dental schools.

Community Access Program (CAP)

Dental science, physiotherapy and undergraduate medical subjects are not available under the CAP. The School of Medicine offers CAP students undergraduate subjects in the following disciplines: biochemistry and molecular biology, microbiology and immunology, pathology, pharmacology, and physiology. In addition a small range of postgraduate subjects from various schools is available to suitably qualified applicants.

Psychology subjects are offered through the CAP program. Contact the School of Behavioural Science (Department of Psychology) for more information.

Nursing Science subjects, except clinical subjects, will be offered in 2006 through CAP.

A limited number of oral health subjects may be offered in 2006 under the CAP. For details, contact the School of Dental Science.

Can I transfer from another course of study?

Applications are accepted for entry to the first year of the medical, dental science and oral health or physiotherapy courses from students in other tertiary courses of study who meet the prerequisite requirements. Applicants would need an excellent academic performance to be competitive for a place. Application for the first year should be lodged with VTAC, except for enrolled students at the University of Melbourne, who may apply for an internal transfer via the Student Information System, (SIS).

All applicants for entry to first year of the medical, dental science, oral health or physiotherapy courses must undertake the UMAT test. Further details are available from the relevant school office.

Entry to the second year of the physiotherapy course is restricted to applicants who have completed appropriate science subjects at university level. Applications must be lodged on the prescribed form available from the Physiotherapy School Office. Only a limited number of places are available and selection is restricted to candidates with outstanding academic records. Applicants must undertake the UMAT test.

Lateral entry is not available in medicine. Applicants with partially completed degrees may apply for entry to the first year of the medical course, however no advanced standing will be given for prior studies, and applicants must undertake the UMAT test. Applicants for medicine who have completed more than 50 per cent of tertiary level study should complete their degree course and apply for graduate entry. Applicants who are in their final year of a degree course, or who have completed a degree, should contact the School of Medicine office for advice regarding the Graduate Entry Program.

Lateral entry in the dental science course is only available to applicants with partially completed dental degrees. Applicants with completed or partially completed degrees in other disciplines may apply to the first year of the dental science course and must undertake the UMAT test.

No applications to transfer can be accepted for the Bachelor of Nursing Science except where applicants meet all of the prerequisites for entry. In assessing applications consideration will be given to the whole academic record. Successful applicants may apply for credit for subjects completed at tertiary level. Credit applications are subject to approval.

Credit for Melbourne Extension program studies

Applicants for psychology subjects and the Bachelor of Oral Health may be eligible for credit for subjects completed through MUPHAS (Melbourne University Program for High Achieving Students) or other University extension

programs available to Year 12 students. In a fixed course such as the BOH however, the possibilities are very limited. Credit is not available for the medical, dental (BDS) or physiotherapy courses due to the integrated nature of the curriculum.

Can I defer my place?

Deferral from the medical, dental science and physiotherapy courses is available, subject to approval by the faculty, but deferment is not available to applicants selected into the Graduate Entry Program in medicine. Deferment from the first year of the Bachelor of Oral Health is only granted under special conditions. Deferral from the Bachelor of Nursing Science will only be granted in exceptional circumstances. Applications must be made in writing to the relevant school office.

Can I study part time?

The medical, dental science, oral health and physiotherapy courses are full-time courses. There is no provision for part-time study. Repeat students are required to repeat all subjects in the year.

Nursing science is a full-time course, Monday to Friday for two semesters of 12 weeks each per year.

What about psychology students?

Conditions of study for students studying psychology are determined by the degree course through which they are enrolled (ie. arts, science, commerce, law or music). Please refer to the relevant faculty's guidelines.

Unsatisfactory progress

A student who fails one or more subjects or who is absent from examinations without a reasonable excuse will be considered for unsatisfactory progress following the publication of official results. Students are invited to present personal and/or written submissions at a meeting of the Progress Committee.

After consideration of the circumstances a student may be granted a faculty pass, or be admitted to a supplementary examination(s), or be permitted to repeat the year, or be recommended for suspension from the course. Details of the guidelines applicable to unsatisfactory progress will be available before the commencement of the academic year.

Outlines of the undergraduate courses

Bachelor of Medicine/Bachelor of Surgery and Bachelor of Medical Science

The medical course has a dual Undergraduate Entry Program and a Graduate Entry Program.

The Undergraduate Entry Program takes six years and all students graduate with a Bachelor of Medicine and Bachelor of Surgery degree (MBBS) and a Bachelor of Medical Science degree (BMedSc). The MBBS program is conducted over Semesters 1-5 and 8-12, and the BMedSc program over Semesters 6-7. Students who do not wish to continue in the medical program can graduate with a BMedSc degree after successful completion of Semesters 1-7.

The Graduate Entry Program (MBBS) takes four and a half years. Graduates enter the course in Semester 2 of first year, and complete a two-week introductory program immediately prior to the commencement of the course. However, graduates without a biomedical science background will be encouraged to undertake an additional introductory semester. Graduate entry students are exempt from the BMedSc program over Semesters 6-7, but may undertake it if they wish to graduate with the BMedSc degree in addition to the MBBS.

The structure and philosophy of the course is based on the following themes which aim to give students a balance of medical knowledge, a view of the social aspects of medicine, and the skills and attitudes necessary for the practice of medicine well into the 21st century:

- the scientific basis of medicine;
- population health;
- clinical skills;
- professional attitudes and development.

The course features a number of teaching methods including problem-based learning; an emphasis on self-directed learning strategies; computer-assisted learning packages to enhance learning; the early introduction of clinical skills teaching and early exposure of students to health practice settings and to patients; and appropriate time for independent study. A large component of the teaching and learning in Semesters 8-12 occurs through direct patient contact and clerking and small group bedside teaching.

Body systems subjects in Semesters 1-5 integrate teaching of the basic sciences relevant to medicine such as anatomy, physiology, biochemistry, molecular biology, physics, pharmacology, pathology and microbiology. A clinical

case presented as a 'problem of the week' enables students to assimilate basic medical science knowledge in the context of patient care.

Health practice subjects in Semesters 1-5 cover the areas of the human mind and behaviour, health and society and introduction to clinical medicine. Students visit teaching hospitals and other community health settings to explore aspects of illness and health care arising from the clinical 'problem of the week'.

In Semesters 6-7 students explore in depth an area related to medicine from a wide range of topics in advanced medical science subjects. Students are introduced to the formal processes of research and develop skills in literature appraisal, data collection, analysis and presentation. This year may be spent doing research on campus, or subject to approval, at rural, interstate or overseas locations.

Clinical rotations in Semesters 8-12 prepare students to enter supervised clinical practice as an intern, while based at one of the general clinical schools associated with the University of Melbourne: Austin and Northern Health, the Royal Melbourne Hospital/Western Hospital, the St. Vincent's Hospital/Gee-Long Hospital, and the Rural Clinical School (Shepparton). Learning and teaching also takes place in institutions associated with the general clinical schools or in more specialised clinical centres such as the Royal Women's Hospital, the Mercy Hospital for Women, the Royal Children's Hospital, and psychiatric hospitals.

Course objectives

The objectives of the Bachelor of Medicine and Bachelor of Surgery and Bachelor of Medical Science are to:

- produce knowledgeable, caring and competent graduates, well prepared to practise under supervision as interns and subsequently to commence postgraduate vocational training in any area of medicine; and
- impart knowledge, attitudes and skills that will encourage and enable graduates to practise ethical and scientifically-based health care with a high level of skill and social responsibility and continue to develop their knowledge and skills throughout their career.

Course structure: Bachelor of Medicine/Bachelor of Surgery/Bachelor of Medical Science

| Semester | Course | Points |
|-------------------|---|--------|
| Semester 1 | 510-110 Principles of Biomedical Science (p.1) | 37.5 |
| | 510-111 Health Practice 1 (p.1) | 12.5 |
| Semester 2 | 510-112 Nutrition Digestion & Metabolism (p.1) | 37.5 |
| | 510-113 Health Practice 2 (p.1) | 12.5 |
| Semester 3 | 510-210 Cardio-respiratory & Locomotor Systems (p.1) | 37.5 |
| | 510-211 Health Practice 3 (p.1) | 12.5 |
| Semester 4 | 510-212 Control Systems, Growth and Development (p.2) | 37.5 |
| | 510-213 Health Practice 4 (p.2) | 12.5 |
| Semester 5 | 510-310 Defence Mechanisms and Their Failure (p.2) | 37.5 |
| | 510-311 Health Practice 5 (p.2) | 12.5 |
| Semesters 6 & 7 | 510-320 Advanced Medical Science 1 (p.2) | 50 |
| | 510-420 Advanced Medical Science 2 (p.2) | 50 |
| Semesters 8 & 9 | 510-511 Integrated Clinical Studies (p.3) | 100 |
| | 510-620 Women's and Children's Health | |
| Semesters 10 & 11 | 510-621 Specialty Health Rotations | |
| | 510-613 Integrated Clinical Practice | |

Bachelor of Medical Science (Honours)

Students who wish to further their knowledge, understanding and experience of medical research and who have gained an average of H2B or higher in Semesters 2-5 should consider the BMedSc (Hons) course. Completion of the honours course serves both as preparation for postgraduate study and qualifies the student for entry to several postgraduate higher research degrees.

Bachelor of Medicine/Bachelor of Surgery/Bachelor of Arts

The combined MBBS/BA course is a seven-year program which provides the professional qualification for a career in medicine, as well as a broader education in the humanities, languages or social sciences. Students are required to complete a minimum of 200 arts points to satisfy Arts Faculty requirements. In the first five semesters, students will complete all subjects of the first five semesters of the MBBS program, and 25 points of first-year arts subjects (students choosing to study a language will need to do 37.5 points). Beginning in

Faculty of Medicine, Dentistry and Health Sciences

the sixth semester, students will complete the remaining points for the arts component of the course over the next four semesters. Some students may choose to complete more than 200 points in order to satisfy requirements for particular majors and may lengthen the course by one semester. Students in the combined MBBS/BA course are not required to complete the BMedSc component of the medical course in Semesters 6 and 7.

For information on arts subjects available to students in the combined MBBS/BA course, refer to 'Combined arts degrees' in the *Faculty of Arts (p.1)* entry in this Handbook.

A quota of ten places applies to the combined degree.

Bachelor of Biomedical Science

The BBiomedSci is a three-year degree offered jointly by the Faculties of Science and Medicine, Dentistry and Health Sciences. The degree has a unique emphasis on multidisciplinary core subjects which will focus on frontiers in biomedical science, innovations and new technologies, bioethical considerations, and will develop skills in scientific communications, teamwork and leadership.

The degree is designed to position graduates for careers in a range of biomedical industries, particularly those being generated by major international genome programs. It is also ideally suited for entry into postgraduate research and coursework degree programs including PhD, medicine, nutrition, toxicology and law.

The degree is available for CSP and Australian and international fee-paying students, and is administered by the Faculty of Science. For further details refer to the *Bachelor of Biomedical Science (BBiomedSc) (p.16)* entry under Faculty of Science in this Handbook.

Bachelor of Dental Science

The BDDSc course is a fixed, five-year full-time program with a new integrated curriculum. Students need to pass all subjects in their current year of enrolment before being allowed to proceed to the next year of the course.

The curriculum incorporates a variety of teaching methods for the education of dentists. It focuses on principles and concepts, fosters the integration of basic and clinical sciences and crosses traditional discipline boundaries, encouraging skills in problem solving, self-directed learning and research.

Students may qualify for the degree with honours if they achieve first, second, or third-class honours as determined by their performance in the second, third, fourth and fifth years.

The first three years of the curriculum concentrate on the basic sciences relevant to dentistry, ie. anatomy, biology, chemistry, microbiology, pathology, pharmacology and neuroscience. The later years are mostly devoted to clinical practice and matters arising from practice. Practical work is undertaken in the laboratories of the health science departments of the Faculty and in those of the School of Dental Science. Students' involvement in clinical work (a component of dental practice subjects) starts in first year. Clinical work is undertaken at the Royal Dental Hospital of Melbourne in all years of the course and at other major hospitals in Melbourne and community health centres in the final year of the course. The manual and communication skills needed for clinical dentistry are developed gradually as students progress through the course.

In addition to clinical work, dental practice subjects also include theoretical work. In particular students:

- examine the role, responsibilities and activities of a dentist in a community;
- gain a basic understanding of human behaviour and development (somatic, physiological and psychological);
- develop a thorough knowledge of oral anatomy, the causes of oral disease, oral disease prevention and treatment, and the ways oral health can be promoted and achieved;
- explore thoroughly the concepts of total patient care; and
- achieve a sound understanding of the principles of medicine and surgery and their applications in dental practice.

Course objectives

The objectives of the Bachelor of Dental Science are to:

- produce knowledgeable, caring and competent graduates, well prepared to enter dental practice if they choose and subsequently to commence postgraduate vocational training in any area of dentistry; and
- impart knowledge, attitudes and skills that will encourage and enable the graduates to practise ethical and scientifically-based health care with a high level of skill and social responsibility and continue to develop their knowledge and skills throughout their career.

Course structure

Dental science: units for the undergraduate degree

First year

511-121 Introduction to Biomedical Science (p.1)

Dental science: units for the undergraduate degree

511-126 Dental Practice 1 (p.1)

511-124 Oral Health Sciences 1 (p.1)

Second year

511-226 Dental Practice 2 (p.1)

511-224 Oral Health Sciences 2a (p.1)

511-225 Oral Health Sciences 2b (p.1)

Third year

511-326 Dental Practice 3

511-323 Oral Health Sciences 3 (p.2)

511-324 Scientific Principles of Surgical Prac. (p.2)

Fourth year

511-422 Dental Practice 4 (p.2)

Fifth year

511-522 Dental Practice 5 (p.3)

Bachelor of Dental Studies

The BDentStud degree is a one-year program of research training in any area of investigation relevant to dental science such as biological, social and clinical sciences. The aim is to facilitate the advanced development of academic and research skills necessary for the furtherance of a career in research or academia. Students should acquire a basic understanding of current advances in research methodology in the biological and health sciences and should be able to conduct a scientific investigation into a biological, clinical or community health problem. Candidates prepare and submit for examination a detailed research report and must pass a viva voce examination on the subject of the report. Applicants for this course must have completed the third year of the Bachelor of Dental Science (or equivalent).

Bachelor of Nursing Science

This course leads to the award of Bachelor of Nursing Science (BNSc) and eligibility for registration as a Division 1 Nurse with the Nurses Board of Victoria (NBV).

The course is delivered as a standard three-year degree course and as a two-year accelerated degree course. The two are integrated at years two and three where students enrolled in the Standard and the Accelerated courses are taught together. Students attend either the Parkville (metropolitan) or Shepparton (rural) campus.

The Accelerated course recognises the broader educational backgrounds and greater maturity and life experience that its students bring to the course. In other professions, such students may gain specific disciplinary skills and knowledge by undertaking a Graduate Diploma. This option is not available in the discipline of nursing, as entry to practice is governed by legislation, which requires preparation at degree level.

The course is designed in recognition of the nature of health care delivery in light of the impact of rapidly changing medical and information technologies, consumer demand and government and economic policies. It has been developed around four inter-related themes: approaches to teaching and learning; research-based practice; clinical skill acquisition; contextualised, integrated health care delivery.

The curriculum emphasises significant contemporary health problems identified as National Health Priority Areas: cardiovascular health, cancer control, injury prevention and control, mental health, diabetes mellitus and asthma. Students are taught a range of clinical skills in our on-site Clinical Skills Laboratory prior to clinical placement in our affiliated health agencies.

A research-oriented approach is taken to practice. This approach encourages students to systematically develop clinical skills using an evidence-based approach to learning as a means of ensuring close links between theory and practice and to support self-directed life-long learning.

Students of the Bachelor of Nursing Science benefit from:

- a curriculum which includes a larger number of clinical hours than those offered in other nursing courses;
- an average class size of 30 to 40 students in Parkville and 20 to 30 in Shepparton, allowing all students to actively participate;
- integrated theory and practice, involving two days per week in classes and three in clinical practice;
- the opportunity to study near home for students in Shepparton;
- the School being centrally located to our affiliated clinical agencies for students in Parkville;
- eligibility to register as a Division 1 Nurse with the Nurses Board of Victoria;
- becoming qualified to work in a profession where your skills are in demand.

Course objectives

The objectives of the Bachelor of Nursing Science are to:

- produce a beginning-level nursing practitioner who demonstrates the capacity for information seeking and retrieval; evaluation and critical appraisal skills; intercultural sensitivity and understanding; well developed communication skills, both written and oral; the ability to contribute to the multi-disciplinary health team in the management of individuals and populations with health care needs; and
- impart knowledge attitudes and skills that will encourage and enable the graduates to identify legal and ethical responsibilities in practice; understand and articulate the contribution of the professional nurse in the multi-disciplinary team; develop understanding of health from both a population and individual perspective; understand the contextual and bases of health care; take an evidence-based approach to practice; understand the complex interplay of psychological, sociocultural, legal and political factors that influence health care and health outcomes; be self-directed and recognise the importance of, and obtain the requisite skills to engage in ongoing professional education; and meet the competencies identified by the Australian Nursing Council as necessary for practice as a Registered Nurse.

Recognition of Prior Learning (RPL)

Graduates entering the Bachelor of Nursing Science may apply for credit based on prior learning completed at tertiary (university) level. Enrolled students seeking credit for prior learning may apply using the Application for Credit form on the School web site. Students may be granted credit for first and second-year subjects. No credit will be granted for the final year of study for clinical subjects.

Australian and overseas qualified nurses and qualified doctors are eligible to apply for the Accelerated course. Successful applicants with these qualifications may apply for RPL for previous studies undertaken at tertiary (university) level for year 2 subjects only (first year of the Accelerated course).

Applications for credit are subject to approval by the School of Nursing Academic Programs Committee.

Course structure

| Bachelor of Nursing Science: units for the undergraduate degree | Points |
|--|--------|
| First year - Standard course commences (Shepparton only) | |
| 514-121 Health and Human Behaviour | 12.5 |
| 514-122 Foundations in Health Sciences 1 | 12.5 |
| 514-123 Foundations in Nursing Practices 1 | 25 |
| 514-124 Contemporary Health Care | 12.5 |
| 514-125 Foundations in Health Sciences 2 | 12.5 |
| 514-126 Foundations in Nursing Practice 2 | 25 |
| Second year - Accelerated course commences (Shepparton & Parkville) | |
| 514-221 Health Nursing and Society | 12.5 |
| 514-222 Biomedical Science and Nursing 1 | 12.5 |
| 514-223 Clinical Nursing 1 | 25 |
| 514-224 Psychology in Nursing | 12.5 |
| 514-225 Biomedical Science and Nursing 2 | 12.5 |
| 514-226 Clinical Nursing 2 | 25 |
| Third year (Shepparton & Parkville) | |
| 514-321 Health Promotion | 12.5 |
| 514-322 Biomedical Science and Nursing 3 | 12.5 |
| 514-323 Clinical Nursing 3 | 25 |
| 514-324 Health Teaching and Learning | 12.5 |
| 514-325 Professional Issues in Nursing | 12.5 |
| 514-326 Clinical Nursing 4 | 25 |

Bachelor of Nursing Science (Honours)

The Bachelor of Nursing Science (Honours) offers an innovative program of intensive research training. It provides an advanced course of study requiring a high standard of performance. Graduates will be positioned to contribute to the development of clinical research in nursing, improving patient outcomes and further the profession. Staff supervising and teaching in the honours program have national and international recognition and bring to the course the breadth and depth of their experience. Honours graduates possess the skills and qualifications needed to progress to a higher degree (eg. Master of Nursing or Doctor of Philosophy), or to pursue a combined clinical research career in health care.

Students are advised that minimum enrolment numbers are required in order for this course to be offered.

Course objective

The objective of the honours program is to further students' knowledge, skills and scholarship necessary for achieving excellence in nursing research. More specifically, the honours program is designed to provide students with the opportunities to learn the intellectual background, ethical principles and content areas of the discipline of nursing, and to acquire the general skills for:

- critically analysing the existing knowledge about a research topic prior to one's own research eg. sophisticated conceptual analysis of relevant content area/literature/intervention program etc., critical appraisal of one's own and others' research, generation of productive research questions;
- constructing a research plan eg. research design, methods of observation, to address one's own research questions;
- executing one's own research plan adequately to obtain data;
- analysing the data so as to address the research questions appropriately;
- discussing the implications of the results coherently within the context of the existing knowledge relevant to the research topic.

Admission requirements

Entry into the Bachelor of Nursing Science (Honours) degree must be approved by the School of Nursing, Faculty of Medicine, Dentistry and Health Sciences. To be admitted to candidature for the degree of Bachelor of Nursing Science (Honours) a candidate must have:

- completed all of the requirements for a Bachelor of Nursing Science (or equivalent) qualification recognised by the Faculty with a Grade Point Average (GPA) of 65% or more for third-year subjects; Students with a Bachelor of Nursing awarded by another institution may be considered for entry;
- fulfilled requirements for registration as a Division 1 Nurse in the state of Victoria, or be authorised to practise in another state or recognised country.

Selection into the honours course is based on academic performance. All results are converted to the University of Melbourne scale (H1=80, H2A=75-79, etc.). Students are ranked for selection and the highest ranked students falling within the agreed quota are recommended to the Faculty for selection. It should be noted that students are only considered for selection if the credit-point weighted average of third-year subjects is at least 68% when converted to the University of Melbourne scale.

Course structure and requirements

In 2005 the Honours course will be offered part-time at the Parkville campus only. Students will complete 25 credit points per semester. All subjects are compulsory. It is possible for candidates to undertake their graduate clinical year (Graduate Nurse Program) concurrently. Students are required to achieve an honours grade (ie. H1, H2A, H2B or H3) for each component of assessment during the honours course in order to meet the requirements of a Bachelor of Nursing Science (Honours) degree. The overall grade will be based upon a weighted average of marks for each component of honours studies.

Bachelor of Oral Health

The Bachelor of Oral Health is a fixed, three-year, full-time program with a curriculum reflecting the latest developments in oral health. Currently the course has a single vocational outcome: hygiene or therapy but it is expected that from 2007, it will have a combined vocational outcome of hygiene **and** therapy.

The course has four main components:

Dental science: those subjects providing a theoretical background to the procedures used in providing dental care, including the structure and function of normal and abnormal tissues of the body and principles of treatment of disease.

Social science and preventive dentistry: those subjects concerned with preventing dental disease in the community. Community studies and oral health promotion are a major feature of this component, but it also includes ethics, psychology, sociology and research methods.

Clinical dentistry: those subjects related to dental auxiliary practice which are common to dental hygienists' and dental therapists' activities. They include infection control, instrumentation, dental materials, examination procedures and record taking as well as operative procedures such as fluoride application, impressions and oral radiography.

Vocational clinical practice: in this component the student follows either the dental therapy stream or the dental hygiene stream. The therapy stream focuses on managing dental decay in children, adolescents and young adults and the delivery of restorative dentistry within the public dental programs. The hygiene stream focuses on the conservative management of periodontal conditions.

Course objectives

The objectives of the Bachelor of Oral Health are to:

- facilitate the education of operative dental auxiliaries who are able to work within a dental team, adapt to change and educate themselves throughout their professional careers; and
- impart knowledge, attitudes and skills in health promotion and health education, oral examination, diagnosis, treatment planning, operative and/or other clinical therapeutic skills that will enable graduates to practise those aspects of dental hygiene or dental therapy permitted by legislation governing the practice of dentistry in Australia.

Course structure

| Bachelor of Oral Health | Points |
|--|--------|
| First Year | |
| 511100 Society, Health and Education | 25 |
| 511101 Oral Health Sciences 1 | 37.5 |
| 511102 Oral Health Practice 1 | 37.5 |
| Second Year | |
| 511200 Health Promotion | 25 |
| 511201 Oral Medicine, Pathology and Pharmacology | 25 |
| 511202 Oral Health Practice 2 | 50 |
| Third Year | |
| 511300 Outreach Elective Studies | 25 |
| 511301 Oral Health Therapy Research | 25 |
| 511302 Oral Health Practice 3 | 50 |

Bachelor of Physiotherapy

The BPhysio course is a four-year course recognised by the Physiotherapy Registration Board of Victoria and by mutual recognition in other states of Australia. It prepares graduates to work in health care settings such as hospitals, outpatient clinics, private practice, rehabilitation centres, patients' homes, schools, extended care facilities, sports venues, aged care centres, industrial and commercial premises, nursing homes, psychiatric centres and educational institutions. The generic skills developed in the course enable graduates to move into careers in other industries as well.

Students may qualify for the degree with honours if they achieve first- or second-class honours as determined by their performance in the second, third and fourth years of the course.

Studies include a strong basis of integrated physical, biological, medical, behavioural and physiotherapy clinical sciences. Students are required to participate in practical studies of human physiology, anatomy, kinesiology and physiotherapy techniques. This requires partial disrobing and acting as 'therapist' and 'patient' to learn by observation, touch and practice. Physiotherapy is a physically demanding profession, which requires for its practice the development of a range of precise physical skills. Clinical knowledge, skills and attitudes necessary for health education and the competent assessment, prevention, treatment and rehabilitation of patients with movement and physical disorders and disabilities from a wide range of ages and cultural backgrounds are developed. During the undergraduate years, students are encouraged and provided with opportunities to develop the capacity and motivation for continuing independent learning, inquiry and research. Students undertake theoretical and practical experience in enhancing their ability to communicate with patients, colleagues and members of other health professions. Issues of professional responsibility and ethical principles in relation to individuals and the community are addressed.

Clinical studies are commenced in the first year of the undergraduate program, with students allocated to the teaching hospitals of the general clinical schools of the University of Melbourne. These general clinical schools are Austin Health and Northern Health, the Royal Melbourne Hospital/Western Hospital, and St. Vincent's Hospital/Geelong Hospital. Students must satisfactorily complete a Senior First Aid Level 2 (or equivalent) course prior to commencing second year.

In the second year, students undertake a one-week clinical placement at a hospital clinic.

In the third and fourth years, students spend much of their time in clinical studies undertaking core subjects in their clinical schools and specialist sites for paediatrics and geriatrics. All students undertake three electives with most spending at least one elective period overseas or in rural/outback Australia.

As part of the clinical education progra, students will be allocated at least one rural rotation from one to six weeks. There may be additional costs to students for these placements. Acceptance of an offer of a place in the course indicates acceptance of subsequent clinical school placements.

Students are expected to wear a clinical uniform while on placement.

Students participate in research in first year and then commence formal research methods training in the second year. Third-year students develop research project proposals and in the fourth year collect and evaluate clinical research data.

Students are facilitated with the development of lifelong learning by a two-level mentor scheme, communication skills development, problem-based tutorials, computer laboratories with interactive multimedia programs and a highly integrated clinical education program.

Course objectives

Objectives of the Bachelor of Physiotherapy course are:

- to provide graduates with an integrated knowledge of physical, biological, medical and behavioural sciences;
- to provide graduates with the clinical knowledge, skills and attitudes necessary for the competent assessment, prevention, treatment and rehabilitation of patients with physical disorders and disabilities;

- to provide graduates with a capacity for problem solving and self-directed learning and the motivation for life-long independent learning;
- to provide graduates with a capacity to communicate effectively with patients, colleagues and members of other health professions in diverse cultural and geographical settings;
- to provide graduates with an understanding of professional responsibility and ethical principles in relation to individuals and the community, both locally and internationally;
- to provide graduates with an appreciation of the dynamics of their profession by fostering a willingness to adapt practice to reflect advances in medical and physiotherapy science as well as changes to current health care and social policies; and
- to produce graduates whose qualification is registerable by the Physiotherapists' Registration Boards of Australia and recognised internationally.

Course structure

Physiotherapy: units for the undergraduate degree

First year

- 513-110 Physiotherapy 1 (p.1)
- 513-120 Physiotherapy 2 (p.1)
- 513-111 Principles of Biomedical Science (p.1)
- 513-121 Musculoskeletal System (p.1)

Second year

- 513-210 Physiotherapy 3 (p.1)
- 513-220 Physiotherapy 4 (p.2)
- 513-211 Cardiorespiratory Systems (p.1)
- 513-221 Sensorimotor Control Systems (p.2)

Third year

- 513-301 Musculoskeletal Physiotherapy 1 (p.2)
- 513-302 Neurological Physiotherapy 1 (p.2)
- 513-303 Cardiothoracic Physiotherapy 1 (p.2)
- 513-304 Physiotherapy Practice 1 (p.3)
- 513-306 Evidence Based Physiotherapy Practice 1 (p.3)

Fourth year

- 513-401 Cardiothoracic Physiotherapy 2 (p.3)
- 513-404 Gerontology (p.3)
- 513-405 Musculoskeletal Physiotherapy 2 (p.3)
- 513-406 Neurological Physiotherapy 2 (p.3)
- 513-407 Paediatrics (p.4)
- 513-410 Physiotherapy Practice 2 (p.4)
- 513-413 Evidence Based Physiotherapy Practice 2 (p.4)
- 513-414 513-414 Exercise Prescription & Health Promotion (p.4)
- 513-415 513-415 Elective Studies (p.4)

Psychology as a major

The University of Melbourne offers psychology as an area of major study, rather than as a single degree on its own. Psychology may be studied through undergraduate programs run by a number of faculties, including the Faculties of Arts, Science, and Economics and Commerce. Many students undertaking combined degrees study psychology to complement their specialisation since it is considered as either a humanities or science major.

The advantage of studying psychology as an area of major study is that students can complete a three-year accredited major in psychology, leaving the way open to a career as a psychologist, and at the same time complete a broader discipline, such as science. This gives students the opportunity to choose a career in a number of different areas.

Students who are not interested in completing an accredited major in psychology may still wish to undertake individual psychology subjects to complement their studies in other areas. For example, a student undertaking an economics or commerce degree could study psychology to further develop skills in the areas of marketing or management.

Students may enrol in any number of psychology subjects, however, to complete a major in psychology at least 125 credit points must be undertaken. A psychology major can be undertaken through a number of different courses:

- Bachelor of Arts (BA)
- Bachelor of Science (BSc)
- Bachelor of Commerce (BCom)
- or through many combined degree courses.

Students enrolled in the Bachelor of Commerce degree complete a major in psychology with 112.5 credit points. Bachelor of Commerce degree students may count 512-320 Research Methods 3 as part of the required Economics and Commerce points. They also have permission to count 325-201 Organisational Behaviour as their third-year psychology elective. Bachelor of Commerce students, therefore, have no elective component in their psychology major.

Please note, the psychology major is not available to students enrolled in the Bachelor of Commerce (Management).

Students enrolled in mathematics as a major study may complete 620-371 Linear Models instead of 512-320 Research Methods 3.

Course objectives

Level 1 psychology subjects are designed to give students an overview of the study of psychology and provide grounding in the methodology of the discipline. Introductory Experimental Psychology 1 introduces students to behavioural neuroscience, learning and cognition, perception, and research design and descriptive statistics. Introductory Social, Developmental and Clinical Psychology 1 covers the areas of human development, social psychology, personality and clinical psychology, and inferential statistics.

Level 2 and 3 psychology subjects provide students with the opportunity to critically examine basic psychological concepts and theories in the areas of biological bases of behaviour, cognitive psychology, developmental psychology, sensation and perception, and social psychology. Students also develop skills in research methodology and data analysis. In the third year, students choose at least one elective which allows them to study an area of interest in depth.

Course structure

Students have the flexibility to study any number of subjects in psychology, as long as the prerequisites and corequisites of subjects are met. A major study in psychology, accredited by the Australian Psychological Society, consists of nine compulsory subjects and at least one elective subject (a minimum of 125 credit points).

| Compulsory subjects | | Points |
|---------------------|---|--------|
| Level 1 | | |
| 512-120 | Introductory Experimental Psychology 1 (<i>p.1</i>) | 12.5 |
| 512-121 | Social, Develop. & Clinical Psychology 1 (<i>p.1</i>) | 12.5 |
| Level 2 | | |
| 512-220 | Quantitative Methods for Psychology 2 (<i>p.1</i>) | 12.5 |
| 512-221 | Developmental Psychology 2 (<i>p.1</i>) | 12.5 |
| 512-222 | Behavioural Neuroscience 2 (<i>p.1</i>) | 12.5 |
| 512-223 | Personality and Social Psychology 2 (<i>p.2</i>) | 12.5 |
| 512-224 | Cognitive Psychology 2 (<i>p.2</i>) | 12.5 |
| Level 3 | | |
| 512-320 | Research Methods 3 (<i>p.2</i>) | 12.5 |
| 512-324 | Intro. to Psychological Disorders 3 (<i>p.2</i>) | 12.5 |
| Electives | | Points |
| Level 3 | | |
| 512-322 | Industrial/Organisational Psychology 3 (<i>p.2</i>) | 12.5 |
| 512-330 | Human Psychophysiology 3 (<i>p.3</i>) | 12.5 |
| 512-335 | Advanced Cognition 3 (<i>p.3</i>) | 12.5 |
| 512-345 | Environmental Psychology 3 (<i>p.3</i>) | 12.5 |
| 512-350 | Brain, Cognition and Behaviour 3 (<i>p.3</i>) | 12.5 |
| 512-360 | Personality and Social Psychology 3 (<i>p.4</i>) | 12.5 |
| 512-370 | Cognitive and Neuropsych. Development 3 (<i>p.4</i>) | 12.5 |
| 512-380 | Personal and Social Development 3 (<i>p.4</i>) | 12.5 |
| 512-395 | Intro. to Mathematical Psychology 3 (<i>p.4</i>) | 12.5 |

Students choose at least one Level 3 elective subject.

Normally, a full-time student undertaking a major in psychology completes:

- in first year, the two compulsory level-1 subjects;
- in second year, either three or four compulsory level-2 subjects;
- in third year, the remaining compulsory level-2 subjects, the compulsory level-3 subjects, and at least one elective level-3 subject.

Students must note that subject 512-220 Quantitative Methods for Psychology should normally be undertaken in their second year.

Mid-year entry

Students who commence their undergraduate degree in Semester 2 may undertake the level-1 subject 512-120 Introductory Experimental Psychology 1 in conjunction with the level 2 subject 512-220 Quantitative Methods for Psychology 2 in Semester 1 of the following year, in order that they can complete their psychology major within the three-year period. Students taking these subjects concurrently must have passed 512-121 Introductory Social, Developmental and Clinical Psychology 1.

Honours in psychology

The Department of Psychology (School of Behavioural Science) offers an innovative fourth-year program that has been designed to provide students with flexibility and choice in coursework areas, as well as a significant research component.

Staff supervising and teaching the fourth-year program have national and international recognition in research in their areas of specialisation and bring to the course the breadth and depth of that experience.

To be able to practise as a psychologist in Victoria, applicants need to register with the Psychologists Registration Board of Victoria. To be eligible for registration you are required to complete a degree with an accredited four-year sequence in psychology, followed by either two additional full-time years of postgraduate training or supervised experience. In order to be eligible for registration as a probationary psychologist, the first step to becoming a psychologist, it is necessary to complete a fourth year in psychology.

The Department of Psychology offers two fourth-year programs, both accredited by the Australian Psychological Society:

- Honours in psychology
- Postgraduate Diploma in Psychology (please contact the Department of Psychology for further information regarding this course).

Honours in psychology is available through the Bachelor of Arts (Honours) with the Faculty of Arts, or Bachelor of Science (Honours) with the Faculty of Science, or through a number of combined degree honours programs.

Course objectives

The objective of the fourth-year program is to help students acquire the knowledge, skills, and scholarship necessary for achieving excellence in psychology. More specifically, the fourth-year program is designed to provide students with the opportunities to learn the intellectual background, ethical principles, and content areas of psychology as a scientific discipline, and to acquire the general skills for:

- critically analysing the existing knowledge about a research topic prior to one's own research (eg. sophisticated conceptual analysis of relevant content area/literature/intervention program etc., critical appraisal of one's own and others' research, generation of productive research questions);
- constructing a research plan (eg. research design, methods of observation) to address one's research question;
- executing one's research plan adequately to obtain data;
- analysing the data so as to address the research questions appropriately; and
- discussing the implications of the results coherently within the context of the existing knowledge relevant to the research topic.

Admission requirements

Entry into the psychology honours degree must be approved by the Department of Psychology and the faculty concerned.

To be admitted to candidature for the degree of Bachelor of Arts (Honours) in psychology and Bachelor of Science (Honours) in psychology, a candidate must have:

- completed all the requirements for a Bachelor of Arts or a Bachelor of Science or equivalent qualification recognised by the faculties; (Please refer to the Faculty of Arts *Eligibility* section and Faculty of Science *Faculty requirements for the Bachelor of Science (Degree with Honours) program (p.1)* for further selection criteria.)
- completed an Australian Psychological Society accredited three-year major sequence in psychology, at an honours level.

A numerical index is computed for each applicant using a combination of second- and third-level subjects. The index is a weighted average of all third-level subjects and all second-level psychology subjects. All results are converted to the University of Melbourne scale (H1=80+, H2A=75-79, etc.). Third-level marks are weighted by their credit-point value, and second-level psychology subjects are weighted by one third of their credit-point value. (For University of Melbourne students, second-level psychology subjects usually contribute around 20 per cent of the final index.)

In the event of students completing a psychology major as part of a combined degree, the selection committee exercises judgement in the use of non-psychology third-level subjects.

For students completing a major as part of the Graduate Diploma in Psychology or other second degree (eg. BLitt), the numerical score is constructed in the manner described, but using only those non-psychology subjects (if any) completed in the second degree.

Students are ranked for selection according to the index and the highest ranked students falling within the agreed quota are recommended to the faculties for selection. It should be noted that students are only considered for selection if the credit-point weighted average of all second- and third-level psychology subjects is at least 70 per cent (when converted to the University of Melbourne scale).

Course structure

| Compulsory subjects | | Points |
|---------------------|--|--------|
| 512-422 | Advanced Design and Data Analysis (p.5) | 12.5 |
| 512-423 | Theories and Ethics in Psychology (p.5) | 12.5 |
| 512-428 | Research Project (p.5) | 50 |
| Elective subjects | | Points |
| 512-410 | Current Topics in Developmental Psych. (p.4) | 12.5 |
| 512-413 | Current Topics in Social Psychology (p.5) | 12.5 |
| 512-414 | Current Topics in Cognitive Psychology (p.5) | 12.5 |
| 512-415 | Current Topics in Behavioural Neuro. (p.5) | 12.5 |

Students must complete all the compulsory subjects and two elective subjects.

Pass criteria

Arts students are required to achieve an honours grade (ie. H1, H2A, H2B or H3) for each component of assessment in fourth year and an overall grade of at least H3 (65 per cent) in order to meet the requirements of the BA (Honours) degree. The overall grade will be based on the weighted average of marks for each component of the fourth-year studies.

Science students are required to achieve an overall weighted average of at least H3 (65 per cent) for their fourth-year studies in order to qualify for the BSc (Honours) degree.

Please refer to the Faculty of Arts or Faculty of Science sections of this Handbook for more general details on the honours courses.

Mid-year entry

There is no mid-year entry into the psychology honours program.

Study abroad or exchange program

A research project at the fourth-year level can normally be undertaken by students who are studying for one or two semesters at the University of Melbourne as part of a Study Abroad or Exchange program. Students will have the opportunity to gain experience in aspects of conducting and reporting of independent empirical research. To undertake the research project, students must meet the following prerequisites:

- 512-320 Research Methods 3 or equivalent;
- a three-year sequence of undergraduate psychology studies equivalent to 100 points; and
- prior acceptance (ie. the student must arrange research supervision and negotiate a general topic - the supervisor must be an academic member of the Department of Psychology).

Study Abroad students have the option of enrolling in the research project as a subject comprising either:

- 12.5 points (requiring a project report of not more than 4000 words);
- 25 points (requiring a project report of not more than 7000 words);
- 37.5 points (requiring a thesis of not more than 9000 words); or
- 50 points (requiring a thesis of not more than 10 000 words).

Honours in nursing

The School of Nursing offers an innovative honours program of intensive research training that develops graduates who contribute to the development of clinical research in nursing, improve patient outcomes and further the profession.

The program objective is to help students acquire the knowledge, skills and scholarship necessary for achieving excellence in nursing research. The program provides students with opportunities to learn the intellectual background, ethical principles and content areas of nursing as an academic discipline and to acquire the skills for students to:

- critically analyse existing knowledge about a research topic prior to own research;
- construct a research plan to address the students' own research questions;
- execute their own research plan adequately to obtain data;
- analyse data to address research questions;
- discuss the implications of the results coherently within the context of existing knowledge relevant to the research topic.

Student information

Students should be aware of their rights and obligations while at the University. Essential information on matters such as enrolment, assessment, special consideration in the event of illness or other difficulties, etc., is contained in the front of this Handbook and in the Student Diary, issued to every student on enrolment.

For more information

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Written enquiries should be addressed to the relevant school office, listed above, at the University of Melbourne, Victoria 3010.

