

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 Postgraduate 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 and Repatriation Medical Centre
- Ballarat Health Services
- Barwon Health
- Goulburn Valley Health
- Melbourne Extended Care and Rehabilitation Service
- Mercy Hospital for Women
- Northern Hospital
- 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
- St Vincent's Hospital
- Wangaratta Base Hospital
- Western 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.med-fac.unimelb.edu.au/med/>>.

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 250 new medical students each year, with males and females approaching equal proportions. Students come from all social and cultural backgrounds, providing a social mix which reflects Australian society at large and also 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 introduced a new course structure and selection requirements for entry to the medical course in 1999. The dual undergraduate/graduate entry program comprises approximately two-thirds school leavers and one-third graduate entry students, and it is hoped this dual entry program will broaden the range of people undertaking the medical course and enrich 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 Australian 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.medfac.unimelb.edu.au/med/medicine.asp>>.

The School of Dental Science traces its origins back to 1884 when the Odon-tological 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 and the first Bachelor of Dental Science (BDS) degree was conferred in 1906.

The Diploma in Oral Health Therapy was introduced by the School of Dental Science in 1996 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 first Diploma in Oral Health Therapy (DipOHT) was conferred in February 1998.

The school is the only dental school in Victoria and offers two undergraduate qualifications: the Bachelor of Dental Science and the Diploma in Oral Health Therapy.

The BDS course is a fixed, five-year program which enrolls approximately 66 new students each year. Graduates qualify for registration with the Dental Practice Board of Victoria as legally qualified dentists. In 2000, the School introduced a new integrated BDS curriculum to replace the existing one which will be phased out by 2004.

The Diploma in Oral Health Therapy is a fixed, two-year full-time course with a recently updated curriculum. The course has two vocational outcomes: hygiene or therapy. Graduates apply for registration with the Dental Board of Victoria as either dental therapists or dental hygienists. The course enrolls 12 new students each year: six in the dental therapy stream and six in the dental hygiene stream.

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 90 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 and upper limb rehabilitation. 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. Doctor and Master of Psychology degrees are offered in organisational/industrial psychology, clinical neuropsychology and clinical psychology (a child speciality is also offered in the Doctor of Psychology (Clinical)). A Doctor of Psychology (Forensic) is offered in conjunction with the Department of Criminology. In addition, a Doctor of Psychology (Health) was introduced in 1999.

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 also introduced in 1999.

The School of Postgraduate 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 speciality practice. The School is committed to becoming a centre of excellence for undergraduate/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 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

- 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;
- 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.

Postgraduate nursing

- provide the highest possible quality undergraduate, postgraduate and continuing education programs in nursing;
- develop programs that have a clinical focus and are in tune with the educational needs and realities of the 21st century;
- ensure strong international teaching, practice and research collaboration;
- maintain close liaison with clinical agencies;
- contribute to leadership and service through collaborative relationships with external and professional organisations, participation in public discourse, and continuing education programs;
- gain national and international recognition for research in areas of advanced clinical nursing; and
- 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

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)

Dental science graduates are eligible to join the Society of Alumni and Friends of Dental Science (SAFODS) which 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.

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, 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 may 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

Careers are available to BDSc 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 which is available in a number of areas including preventive and community dentistry, paediatric dentistry, orthodontics, periodontics, endodontics, prosthodontics, oral and maxillofacial surgery, oral pathology and oral medicine, and forensic odontology. Many of these postgraduate courses lead to qualification as a specialist.

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 BDSc 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.

The Diploma in Oral Health Therapy graduates work as dental therapists or dental hygienists. Therapy and hygiene graduates are offered career opportunities in both the public and private sectors, in general and specialist dental practice and in 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.

Physiotherapy

All Australian Physiotherapy Registration Boards recognise the Bphysio for professional registration as a physiotherapist. Physiotherapy also provides its graduates with an opportunity 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 the 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

Bachelor of Nursing Science (BNSc) graduates are eligible for registration as a Division 1 Nurse. On completion of the Bachelor of Nursing Science, graduates normally enter into a graduate nurse program administered by the employing agency. The graduate nurse program is usually one year in duration and provides newly registered nurses the opportunity to practise and consolidate knowledge and clinical skills in a range of clinical settings whilst being employed. A variety of opportunities exist for nurses to specialise, these areas include; acute care, cancer nursing, child health, critical care, emergency, mental health/psychiatric nursing, neuroscience, palliative nursing, perioperative and renal. The course has been designed to articulate with courses at a higher level and so provide students with the opportunity to

develop their knowledge base beyond undergraduate level, by specialising and obtaining higher level qualifications in specialist areas.

Faculty courses

Undergraduate

- Bachelor of Biomedical Science *BBiomedSci*
- Bachelor of Dental Science *BDS*
- Bachelor of Dental Studies *BDentStud*
- Bachelor of Medical Science (pre-1999 admission to MBBS) *BMedSc*
- Bachelor of Medicine/Bachelor of Surgery, Bachelor of Medical Science *MBBS, BMedSc*
- Bachelor of Medicine/Bachelor of Surgery/Bachelor of Arts *MBBS/BA*
- Bachelor of Nursing Science *BNSc*
- Bachelor of Physiotherapy *BPhysio, BPhysio (Hons)*
- Diploma in Oral Health Therapy *DipOHT*

Graduate

- Graduate Certificate in Adolescent Health and Welfare *CertAdolHlthWlf*
- Graduate Certificate in Biostatistics
- Graduate Certificate in Case Management *CertCaseMgt*
- Graduate Certificate in General Practice Psychiatry *CertGPPsych*
- Graduate Certificate in Health Services Research and Evaluation *CertHlthServRes&Eval*
- Graduate Certificate in Psycho-Oncology *CertPsyonc*
- Graduate Diploma in Adolescent Health and Welfare *DipAdolHlthWlf*
- Graduate Diploma in Audiological Science *DipAudSc*
- Graduate Diploma in Biotechnology *DipBiotech*
- Graduate Diploma in Biostatistics
- Graduate Diploma in Case Management *DipCaseMgt*
- Graduate Diploma in Drug Evaluation and Pharmaceutical Sciences *DipDrugEvalPharmSc*
- Graduate Diploma in Epidemiology and Biostatistics *DipEpidBiostat*
- Graduate Diploma in Forensic Odontology *DipForOdont*
- Graduate Diploma in Genetic Counselling *DipGenCouns*
- Graduate Diploma in Health Promotion *DipHlthProm*
- Graduate Diploma in Mental Health Sciences *DipMentHlthSc*
- Graduate Diploma in Psychology *DipPsych*
- Graduate Diploma in Psycho-Oncology *DipPsyonc*
- Graduate Diploma in Social Health
- Graduate Diploma in Women's Health *DipWomHlth*

Postgraduate

- Postgraduate Certificate in Advanced Clinical Nursing *CertAdvClinNurs*
- Postgraduate Certificate in Palliative Medicine *CertPallMed*
- Postgraduate Certificate in Physiotherapy *PGCertPhysio*
- Postgraduate Diploma in Ambulatory and Home Care Nursing *DipAmbul&HomeCNurs*
- Postgraduate Diploma in Advanced Clinical Nursing *DipAdvClinNurs*
- Postgraduate Diploma in Clinical Dentistry *DipClinDent*
- Postgraduate Diploma in Palliative Medicine *DipPallMed*
- Postgraduate Diploma in Physiotherapy *DipPhysio*
- Postgraduate Diploma in Psychology *PGradDipPsych*
- Master of Audiology *MAud*
- Master of Biostatistics
- Master of Clinical Audiology *MClAud*
- Master of Dental Science *MDS*
- Master of Epidemiology *MEpi*
- Master of Gynaecology and Obstetrics *MGO*
- Master of Health Promotion *MHlthProm*
- Master of Health Sciences *MHlthSci*
- Master of International Mental Health
- 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
- Master of Psychology *MPsych*
- Master of Psychology/Doctor of Philosophy *MPsych/PhD*

- Master of Public Health *MPubHlth*
- Master of Rural Health *MRurHlth*
- Master of Social Health
- Master of Sports Medicine by Research *M.SportsMed*
- Master of Surgery *MS*
- Master of Women's Health *MWomHlth*
- Master of Youth Health and Education Management
- 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 2003 to the medical, dental science (BDS) and physiotherapy courses are VCE English (any), chemistry, and one of mathematical methods, specialist mathematics or physics.

Minimum prerequisites for entry in 2003 to the Diploma in Oral Health Therapy course are VCE English (any) and Biology.

Selection into the medicine, dental science, oral health therapy and physiotherapy courses in 2003 will be based upon a combination of the applicant's ENTER, performance in the prerequisite subjects, and performance in an undergraduate admissions aptitude test (UMAT).

Minimum prerequisites for entry in 2003 to the Bachelor of Nursing Science (BNSc) is VCE English (any) or graduates with an approved degree or diploma of at least three years duration in any disciplinary field.

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.

Targeted Access Program

Places under this scheme are available in the first year of the medical, dental science and physiotherapy courses.

Applicants for medicine from rural schools will be given additional consideration under this scheme.

There are no specified quota places allocated under the program for the applicants to the Diploma in Oral Health Therapy, however the Selection Committee will consider all applications.

Special initiatives for rural and regional students

The Federal Government and the faculty have introduced a range of 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 Rural Students Hotline 03 8344 3824 or the School of Medicine's web site at <www.med-fac.unimelb.edu.au/med/medicine.asp>.

Mature-age candidates

There is no mature-age entry scheme for the medicine, dental science, 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.

Financial assistance

Assistance is available to medical and dental science (BDS) 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 the 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.

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. A Faculty Student Animal Experimentation Review Committee, with student and academic staff membership, has also been established as a sub-committee of the Faculty's Curriculum Committee. In general, the University aims to reduce animal usage to the minimum consistent with academic needs. As well, new educational aids involving computer simulations are being used where possible as an alternative to the use of live animals.

Health requirements

Students enrolled in the MBBS, BDS, BNSc, DipOHT or BPhysio courses should be aware that certain precautionary procedures may be required in order to meet health requirements for working in the wards of affiliated teaching hospitals and for the protection of yourself and others.

Measures consist of confidential tests for immune status (including blood tests and skin tests), receiving vaccines and undergoing X-rays where appropriate and no contraindications exist in an individual case. This policy is in accord with the National Health and Medical Research Council advice that educational institutions undertaking the training of students in health sciences should ensure that students are protected against the risk of infection, as far as possible, by vaccination.

Prospective students should note that prior to enrolment, they will be provided with information, and if appropriate, counselled about the effects that being a carrier of HIV, Hepatitis B or C may have on their ability to practise their profession. The Australian Immunisation Handbook identifies risk countries in relation to chronic Hepatitis B infection, and any prospective or current student who believes they may be at risk should contact the faculty for advice. Although the faculty does not prevent students who are carriers of these viruses from undertaking courses, individuals who know that they are carriers are strongly advised to consider carefully whether to embark on studies within the faculty, since in some cases, it may not be possible to complete the training requirements and practise their chosen profession.

Police check for clinical placements

Organisations which host clinical placements may require students to have obtained a police check regarding their suitability to undertake such placements.

Enrolled and prospective students in the Faculty of Medicine, Dentistry and Health Sciences are advised that they may be required to obtain, at their own expense, a police check prior to undertaking the clinical placements in their course.

Attendance requirements

Attendance at classes other than lectures is compulsory for both undergraduate and postgraduate students. Students failing to comply with this requirement without appropriate medical documentation (eg. not less than 75 per cent attendance) 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.

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, or from the Student Support Services.

Can I study overseas?

There is no provision to undertake part of the medical, dental science, or oral health therapy 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. Some BDS students choose, and gain approval, to take elective studies overseas after the fourth year of the course and some take approved leave of absence to travel overseas and spend some time in dental hospitals and clinics.

Community Access Program (CAP)

Dental, oral health therapy, physiotherapy and undergraduate medical subjects are not available under the CAP. The School of Medicine offers CAP students undergraduate subjects in the following disciplines: anatomy and cell biology, biochemistry and molecular biology, microbiology and immunology, pathology, pharmacology, and physiology. In addition a small range of postgraduate subjects from various schools are 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.

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 therapy 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 therapy 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.

Credit for MUPHAS program studies

Applicants for psychology subjects and the Diploma in Oral Health Therapy 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 diploma 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, nursing 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 Diploma in Oral Health Therapy is only granted under special conditions. Application must be made in writing to the relevant school office.

Can I study part time?

The medical, dental, oral health therapy 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. Part-time study may be granted to professional entry nursing students on a case by case basis.

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

In 1999, the School of Medicine introduced a new undergraduate medical course comprising the Bachelor of Medicine/Bachelor of Surgery and Bachelor of Medical Science to replace the existing Bachelor of Medicine/Bachelor of Surgery course which will be phased out by 2004.

Students enrolled prior to 1999 continue in the MBBS course, while those enrolling from 1999 undertake the MBBS, BMedSc course, except for those students enrolled under the Graduate Entry Program who will not normally

undertake the Bachelor of Medical Science component of the new course, and will undertake the MBBS component only.

The MBBS (Hons) may be awarded to students in either program who achieve a high standard throughout their course.

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, 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; 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: the Austin and Repatriation Medical Centre/Northern Hospital, the Royal Melbourne Hospital/Western Hospital, the St Vincent's Hospital/Geelong 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, 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 post-graduate 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 1		Points
510-110	Principles of Biomedical Science (p.1)	37.5
510-111	Health Practice 1 (p.1)	12.5

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

Semester 2		Points
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
Semesters 10 & 11		
510-610	Women's and Children's Health (p.3)	50
510-611	Specialty Health Rotations (p.3)	50
Semester 12 - not offered in 2003		
510-XXX	- to be confirmed	

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 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 Medicine, Bachelor of Surgery (pre-1999 admission)

The MBBS program (pre-1999 admission) takes six years and has two major but overlapping stages: the basic sciences and medical sciences, and the clinical sciences. There will be no further intake into this course.

Basic sciences and medical sciences units occupy much of the early years of the course, providing a strong basis for subsequent clinical training. However, there is a substantial medical and clinical content in the early years, giving students a good appreciation of the relevance of their studies at this time and ensuring that they are well prepared for full-time clinical training in the final three years of the course.

Computer facilities and state-of-the-art interactive multimedia laboratories comprise important components of the learning experience in all years of the course in self-directed learning and laboratory classes.

The importance and development of effective communication skills are emphasised throughout the course, particularly in third year and in each of the full-time clinical years.

In third year students are allocated to one of the three general clinical schools associated with the University of Melbourne: the Austin and Repatriation Medical Centre/Northern Hospital, the Royal Melbourne Hospital/Western Hospital, and the St Vincent's Hospital/Geelong Hospital.

Students spend much of the final three years of the course at a general clinical school, except for placements at country hospitals and specialist institutions such as the Royal Women's Hospital, Mercy Hospital for Women, the Royal Children's Hospital, Mt Royal Hospital and psychiatric hospitals.

At the beginning of the final year students undertake a minimum eight-week elective period of study during which they pursue one or more particular approved topics in general practice, hospitals or elsewhere. Often this elective period is undertaken at approved rural, interstate or overseas institutions.

Course structure: Bachelor of Medicine, Bachelor of Surgery (pre-1999 admission)

First year

Not offered in 2003

Second year

Not offered in 2003

Third year

Not offered in 2003

Fourth year

Not offered in 2003

Fifth year

Not offered in 2003

Sixth year

510-691 Medicine - 6th Year M.B.,B.S. (p.4)

510-692 Surgery - 6th Year M.B.,B.S. (p.4)

Bachelor of Medical Science (pre-1999 admission to MBBS)

This one-year course is open to MBBS students enrolled prior to 1999 who have good academic records (eg. ordinarily an overall performance at the level of 65 per cent or greater) to encourage them to explore more deeply an area they have already studied. Candidates prepare and submit for examination a detailed research report. They may be required to pass a written examination or viva voce examination or both on the subject of the report.

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 will be available for HECS-funded 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 (BBiomedSci)* (p.17) entry under Faculty of Science in this Handbook.

Bachelor of Dental Science

In 2000, the School of Dental Science introduced a new BSc curriculum to replace the existing one which will be phased out between 2000 and 2004. Students enrolled prior to 2000 will continue in the existing BSc course while those enrolling from 2000 will undertake the new course.

The course is a fixed, five-year full-time program and 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 new 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 new 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 and in those of the School of Dental Science. Students' involvement in clinical work (a component of dental practice subjects) starts in first year and gradually increases throughout the course. Clinical sessions are provided in the clinics of the Royal Dental Hospital of Melbourne and in other metropolitan clinics. In the later part of the course, some of the clinical work is undertaken at the Royal Melbourne Hospital and/or regional hospitals. 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 will:

- 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 post-graduate 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 (new curriculum)

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

511-126 Dental Practice 1 (p.1)

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

Second year (new curriculum)

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 (new curriculum)

511-322 Dental Practice 3 (p.1)

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

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

Fourth year (new curriculum)

511-422 Dental Practice 4 (p.2)

Fifth year (existing curriculum)

511-501 Clinical Dental Science (p.2)

511-502 Integrated Dental Practice (p.3)

Bachelor of Dental Studies

The BDentStud degree is a one-year course open to later year dentistry students and graduates with good academic records to encourage them to delve more deeply into an area they have already studied. The aim is to facilitate the advanced development of academic and research skills necessary for the furtherance of a career in research or academia. This course may be taken after completing at least the third year of the BSc degree and is a one-year program of research training in any area of investigation relevant to dental science such as biological, social and clinical sciences. In passing through the program, 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.

Bachelor of Nursing Science

The Bachelor of Nursing Science is a three-year full-time course (currently only available at the Shepparton campus). The course takes a research-oriented approach to practice and encourages clinical skills to be developed in a systematic and evidence-based manner. Clinical skill development occurs in a wide variety of affiliated health agencies with the clinical hours offered in this program being generally greater than those provided in three year Bachelor of Nursing programs offered elsewhere in the State.

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 on-

going professional education; and meet the competencies identified by the Australian Nursing Council as necessary for practice as a Registered Nurse.

RECOGNITION OF PRIOR KNOWLEDGE

There are two standard programs within the course which recognise the knowledge and skills (a) of Division 2 nurses and holders of bachelor degrees with studies in the life or biosciences, and (b) Australian or overseas diploma qualified nurses and Australian or overseas-qualified medical doctors. The former enter at year 2 and complete a two-year program and the latter at year 3 and complete a one-year program. (These two programs are available at both the Parkville and Shepparton campuses).

Course structure

Bachelor of Nursing Science: units for the undergraduate degree

First year (Shepparton only)

	Points
514-094 Health and Human Behaviour (p.1)	12.5
514-095 Foundations in Health Sciences 1 (p.1)	12.5
514-096 Foundations in Nursing Practice 1 (p.1)	25
514-097 Contemporary Health Care (p.1)	12.5
514-098 Foundations in Health Sciences 2 (p.1)	12.5
514-099 Foundations in Nursing Practice 2 (p.1)	25

Second year (Shepparton & Parkville)

514-100 Health, Nursing and Society (p.2)	12.5
514-101 Biomedical Science and Nursing (p.2)	12.5
514-102 Clinical Nursing 1 (p.2)	25
514-103 Psychology in Nursing (p.2)	12.5
514-104 Biomedical Science and Nursing 2 (p.2)	12.5
514-105 Clinical Nursing 2 (p.2)	25

Third year (Shepparton & Parkville)

514-106 Health Promotion (p.3)	12.5
514-107 Biomedical Science and Nursing 3 (p.3)	12.5
514-108 Clinical Nursing 3 (p.3)	25
514-109 Health Teaching and Learning (p.3)	12.5
514-110 Professional Issues in Nursing (p.3)	12.5
514-111 Clinical Nursing 4 (p.3)	25

Diploma in Oral Health Therapy

The Diploma in Oral Health Therapy is a fixed, two-year, full-time course of study with two vocational outcomes: hygiene or therapy. Graduates apply for registration with the Dental Board of Victoria as either Dental Hygienists or Dental Therapists. Applicants must select which stream - therapy or hygiene - they wish to take at the time of application.

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 and adolescents 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 Diploma in Oral Health Therapy 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;
- 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

Oral health: units for the diploma

First year

511-111 Society, Health and Education (p.1)
511-112 Oral Health Sciences (p.1)
511-113 Oral Health Practice 1 (p.1)

Second year

511-205 Health Promotion and Public Health (p.1)
511-206 Oral Medicine Pathology and Pharmacology (p.1)
511-207 Oral Health Practice 2 (p.2)

Diploma conversion course

Entry into the second year of the Diploma in Oral Health Therapy - into either the dental therapy or the dental hygiene stream - may be available to a limited number of eligible applicants. Eligible candidates must have a dental therapy or dental hygiene qualification and current clinical experience (ie. not less than four years). Applications for entry are available from the Dental School Office and must be submitted direct to the Dental School Manager by 30 September of the year preceding entry. *Please note however, the conversion course may not be available every year.*

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 the Austin and Repatriation Medical Centre/Northern, the Royal Melbourne/Western, and St Vincent's/Geelong.

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.

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 lifelong independent learning;

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- 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)
513-305 Clinical Research Methods 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.3)
513-408 Sports, Exercise & Clinical Physiotherapy (p.4)
513-409 Clinical Research Methods 2 (p.4)
513-410 Physiotherapy Practice 2 (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 a Bachelor of Commerce degree complete a major in psychology with 100 credit points because they are exempt from 512-220 Quantitative Methods for Psychology 2 on the basis of having completed 316-206 Quantitative Methods 2 or 316-205 Introductory Econometrics, and are permitted to count 512-320 Research Methods 3 as commerce points.

Students enrolled in the Bachelor of Commerce (Management) degree are also exempt from 512-220 Quantitative Methods for Psychology 2, and are permitted to count either 512-320 Research Methods 3 or 512-322 Industrial/Organisational Psychology 3 as commerce points.

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 identify separate objectives, however, a psychology major provides 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 have the opportunity to 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 eight compulsory subjects and at least two elective subjects (a minimum of 125 credit points).

Compulsory subjects

Points

Level 1

- 512-120 Introductory Experimental Psychology 1 (p.1) 12.5
512-121 Social, Develop. & Clinical Psychology 1 (p.1) 12.5

Level 2

- 512-220 Quantitative Methods for Psychology 2 (p.1) 12.5
512-221 Developmental Psychology 2 (p.1) 12.5
512-222 Behavioural Neuroscience 2 (p.1) 12.5
512-223 Personality and Social Psychology 2 (p.2) 12.5
512-224 Cognitive Psychology 2 (p.2) 12.5

Level 3

- 512-320 Research Methods 3 (p.2) 12.5

Electives - level 3 subjects

Points

Group 1

- 512-322 Industrial/Organisational Psychology 3 (p.2) 12.5
512-323 Prof. Applications of Psychology 3 (p.2) 12.5
512-345 Environmental Psychology 3 (p.3) 12.5

Group 2

- 512-330 Human Psychophysiology 3 (p.3) 12.5
512-335 Advanced Cognition 3 (p.3) 12.5
512-345 Environmental Psychology 3 (p.3) 12.5
512-350 Brain, Cognition and Behaviour 3 (p.3) 12.5
512-360 Personality and Social Psychology 3 (p.3) 12.5
512-370 Cognitive and Neuropsych. Development 3 (p.4) 12.5
512-380 Personal and Social Development 3 (p.4) 12.5
512-395 Introd. to Mathematical Psychology 3 (p.4) 12.5

Students choose one subject only from Group 1 and at least one other subject from Group 2.

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 subject, and at least two elective level-3 subjects.

Students must note that subject 512-220 should be undertaken in their second year, as it is a corequisite or prerequisite for all level-2 subjects.

Transitional students

Students who have completed any undergraduate psychology subjects before 1999 will be considered as transitional students. To complete a major study in psychology as a transitional student, you must:

If you have completed Psychology 1,

- complete all level-2 and level-3 compulsory subjects, and at least one level-3 elective subject;

If you have completed Psychology 2,

- complete the two level-3 compulsory subjects, and at least two level 3 elective subjects.

As part of the course planning process, any psychology level-3 enrolments must be approved initially by the Department of Psychology before a student's enrolment can be confirmed.

Any psychology subject changes made during the year must first be approved by the Department of Psychology on the appropriate form available from the department.

Subject exclusion list

Under the new course structure, if a student has completed a third-year psychology subject before 1999, they may be ineligible to undertake some of the new level-3 subjects. Before enrolling into any level-3 subjects, these students should seek approval from the Department of Psychology to ensure that they have not previously completed a similar unit under the old course structure.

Mid-year entry

Students who commence their undergraduate degree in Semester 2 can apply to the Department of Psychology for permission to 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. Written authorisation from the Department of Psychology must be obtained prior to the concurrent enrolment of these subjects, and is normally only given to students who have completed 512-121 Introductory Social, Developmental and Clinical Psychology 1, including satisfactory performance in the unit Introduction to Inferential Statistics.

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 (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
512-420 Research Project (p.5)	50
512-422 Advanced Design and Data Analysis (p.5)	12.5
512-423 Theories and Ethics in Psychology (p.5)	12.5
Elective subjects	Points
512-410 Current Topics in Developmental Psych. (p.4)	12.5
512-413 Current Topics in Social Psychology (p.4)	12.5
512-414 Current Topics in Cognitive Psychology (p.4)	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).

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

MEDICINE

Undergraduate enquiries

Tel: +61 3 8344 5890

Email: medicine-info@unimelb.edu.au

Web: <http://www.medfac.unimelb.edu.au/med/medicine.asp>

Postgraduate enquiries

Tel: +61 3 8344 5998

Email: medicine-info@unimelb.edu.au

Web: <http://www.medfac.unimelb.edu.au/med/medicine.asp>

DENTAL SCIENCE

School Manager (Dental Science)

Tel: +61 3 9341 0275

Email: enquiries@dent.unimelb.edu.au

Web: <http://www.dent.unimelb.edu.au>

PHYSIOTHERAPY

School Manager (Physiotherapy)

Tel: +61 3 8344 4171

Email: physio-enquiries@unimelb.edu.au

Web: <http://www.physioth.unimelb.edu.au/>

BEHAVIOURAL SCIENCE (PSYCHOLOGY)

School Manager (Behavioural Science)

Tel: +61 3 8344 6377

Email: enquiries@psych.unimelb.edu.au

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POSTGRADUATE NURSING

School Manager (Nursing)

Tel: +61 3 8344 8811

Email: nursing-enquiries@unimelb.edu.au

Web: <http://www.nursing.unimelb.edu.au/>

POPULATION HEALTH

School Manager (Population Health)

Tel: +61 3 8344 3776

Email: raphael@unimelb.edu.au

Web: <http://www.medfac.unimelb.edu.au/med/sph.html>

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

