



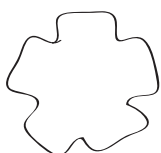
DEAKIN
UNIVERSITY AUSTRALIA

MEDICINE

| MELBOURNE | GEELONG | WARRNAMBOOL | OFF CAMPUS

2012

MEDICINE SURGERY |
RESEARCH DEGREES |



MEDICINE

Welcome



Professor Brendan Crotty.

The Deakin Medical School is Victoria's first rural and regional medical school and has been specifically designed to help alleviate the shortage of doctors in country Australia.

The School opened its doors to the first intake of students in 2008. It provides a four-year, graduate-entry program with a strong emphasis on early development of clinical, communication and procedural skills, management of chronic disease and interprofessional learning. The course is supported by online delivery of tutorials and extensive online resources.

The first two years of the course are based at the Geelong Waurin Ponds Campus and in clinical settings around Geelong. The final two years involve clinical training at one of four clinical schools: Geelong Clinical School (centred on Geelong Hospital), Greater Green Triangle Clinical School (centred on Warrnambool Hospital), Grampians Clinical School (centred on Ballarat Hospital) and Eastern Health Clinical School (centred on Box Hill and other Eastern Health hospitals). Students rotate through a series of hospital and ambulatory care placements in all major medical specialties. All students receive extensive exposure to general practice and a small cohort of students spend all of third year based in a rural general practice, the Integrated Model of Medical Education in Rural Settings (IMMERSe).

Our academics have strong connections to two Deakin Strategic Research Centres: Molecular and Medical Research, and Centre for Quality and Patient Safety Research, and also with a wide range of researchers and clinicians working in partner institutions. Research spans basic biology through to development and testing of new therapeutics, to epidemiological and health outcome studies. There is a strong emphasis on investigating the causes, prevention and management of common chronic diseases.

The Deakin Medical School hosts the National Centre for Farmer Health, in Hamilton, and the Centre for Rural Emergency Medicine, in Portland and Warrnambool.

Please read on to see what makes Deakin University such a vibrant and supportive place to study.

Professor Brendan Crotty
Head of School
School of Medicine

Finding more information

2012 Postgraduate Course Guide

This guide provides a list of the postgraduate courses Deakin offers, detailed information about types of postgraduate study, how to apply, our campuses, and study options, such as part time and off campus (distance education). To request a copy phone 1300 DEGREE (1300 334 733) or download at www.deakin.edu.au.

Postgraduate study area booklets

Deakin has a range of postgraduate study area booklets.

These booklets provide more information about each course, including course structures, career opportunities and unit descriptions.

Visit our web site

Visit our web site for more comprehensive information including details of new courses, campuses, facilities, fee and support services at www.deakin.edu.au.

To search for courses and view unit descriptions visit www.deakin.edu.au/courses.

Talk to us

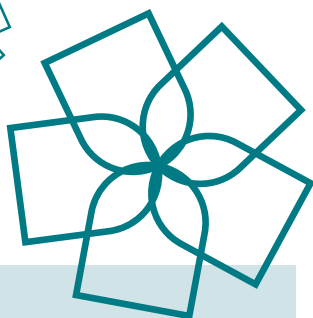
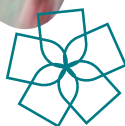
If you require more information or would like to speak with a student adviser, call 1300 DEGREE (1300 334 733).

You can also contact us via email: enquire@deakin.edu.au.

Visit us

There are numerous opportunities to talk face-to-face with Deakin staff at events such as Open Day and Postgraduate Information Nights. See the inside back cover of this guide for details.

Contents



Using this booklet

This booklet provides you with detailed information about Deakin's Bachelor of Medicine Bachelor of Surgery and related research degrees, including course overviews, course structures, career opportunities and detailed descriptions of individual units at the back of the booklet.

It is designed to be read in conjunction with the *2012 Postgraduate Course Guide*, which gives an overview of Deakin's postgraduate courses, detailed information about types of postgraduate study, how to apply, our campuses, student support services and study options such as part time and off campus (distance education).

Once you have chosen the course you want to study, applying to study at Deakin is easy. You can apply online, track the progress of your application and accept your offer at www.deakin.edu.au/apply.

Deakin University also produces course guides specifically for international students. To request a copy, phone Deakin International on +61 3 9627 4877.

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About Medicine

Medicine at Deakin provides you with a comprehensive understanding of the practice of medicine, with an emphasis on the early development of clinical, communication and procedural skills; diagnosis and management of chronic diseases; and multidisciplinary teamwork.

The Deakin Medical School, based at the Geelong Waurn Ponds Campus, is the first rural and regional medical school in Victoria. The Bachelor of Medicine Bachelor of Surgery is a four-year, graduate-entry program.

Industry accreditation and professional recognition

Deakin's Bachelor of Medicine Bachelor of Surgery is accredited by the Australian Medical Council (AMC). Graduates who satisfactorily complete an accredited intern year following successful completion of this course will qualify as registered medical practitioners in Australia and New Zealand.

Meeting workforce demands

There is currently a significant medical workforce shortage throughout Australia, particularly in rural, regional and outer metropolitan locations. As a Deakin medicine graduate you will be in high demand for internships in Victoria and other states, and well prepared to enter specialty training programs in all areas of medicine, as well as work in a wide range of hospital or ambulatory settings in Australia or overseas.

Following your internship, you will be able to apply for training programs for a diverse range of medical careers, including general practice, surgery, pathology, emergency medicine, obstetrics and gynaecology, paediatrics, anaesthetics, geriatric medicine, radiology, occupational and rehabilitation medicine and many other specialities. Other possible career paths include academia, medical research and hospital and government medical administration.

Problem-based learning

At Deakin, the main teaching method for the first two years of the course is problem-based learning (PBL). You will analyse real cases in small groups to learn the basic sciences required to practise medicine. There is a strong emphasis on information technology, which has become an essential part of clinical practice, and on early clinical experience, including simulation-based teaching.

Multidisciplinary learning

Deakin's Bachelor of Medicine Bachelor of Surgery has a strong emphasis on interprofessional learning. As a Deakin medical student you'll work with students and practitioners from a range of other health disciplines including nursing, psychology, social work, occupational therapy and dietetics. This experience introduces you to working in multidisciplinary teams and helps develop an understanding of the expertise and role of different health professionals.

Clinical learning

The first two years of the course are based at Deakin's Geelong Waurn Ponds Campus. During this time, you will also attend clinical sites (hospitals, general practices, community health centres) in the Geelong region.

Students choose one of four clinical schools for the third and fourth years of the course – in Geelong, Ballarat, Warrnambool or Box Hill. The Integrated Model of Medical Education in Rural Settings (IMMERSe) gives some third-year students the opportunity to spend an entire year of study attached to a general practice in one of a number of regional centres in Western Victoria, including Camperdown, Colac, Hamilton and Horsham, where students are able to develop strong community engagement.

There is also an opportunity to study interstate or overseas during an elective term in fourth year for those with a desire for broader horizons.



Emphasis on rural and regional medicine

As a Deakin medical student you will have the opportunity to become familiar with the role of rural and regional general practitioners and specialists and other regional health professionals. You will develop networks in regional areas and become familiar with the way medicine is practised in the country, and with the challenges and rewards of rural practice. During the course there will be an emphasis on acquiring the procedural skills required for rural medical practice.

Pathways to medicine

Several undergraduate programs at Deakin provide pathways into Deakin's graduate-entry medicine program. Deakin offers a full range of health disciplines including nursing, public health and health promotion, health sciences, dietetics, occupational therapy, psychology, exercise science and biomedical science.

Facilities

Waurm Ponds, one of Geelong's western suburbs, is eight kilometres from the city centre and has good access to the nearby Surf Coast. The Deakin Medical School building has been specifically designed to meet the requirements of students enrolled in the medical course.

Levels two and three of the Geelong Waurm Ponds Campus Library have been transformed into a series of contemporary learning spaces that complement the Health and Medical Library Hub on the first floor of the library.

Regardless of where you live, resources can be accessed from the library's comprehensive electronic collection at www.deakin.edu.au/library.



•EMPLOYER•
PROFILE

Jen Flakemore
Manager, Karuna-maya Medicine Tree
Jan Juc

'Karuna-maya Medicine Tree is a general practice and allied health practice. We have been associated with Deakin University since the very first medical students joined us for their clinical placements. In 2011 we joined the fourth year clinical placement program and have been able to take two students for their five-week general practice rotation, with plans to increase this over the next few years.

We've found that over the years, the practice gets enormous benefits from working with Deakin students. Practitioners get reminded of the excitement of medicine and are buoyed by the enthusiasm of students. We get a chance to look at how we do things and often students will help us improve the way we do things – fresh ideas and fresh eyes bring new opportunities to make things better.

We have enjoyed the teaching and learning journey with Deakin students and appreciate the professionalism of the organisation and all those people who work so hard to continually improve the experience for both students and workplaces, and we look forward to a long and exciting partnership.'



Medicine coursework degree

Course name	Course code	Years full time and campus	Intake options	Indicative 2011 annual fee FT ¹	Page
Bachelor of Medicine Bachelor of Surgery	H311	4 G	S1 ²	\$9080	5

Important notes

Information correct at July 2011, Deakin University reserves the right to alter, amend or delete course offerings and other information listed.

S1 = Semester 1

FT = Full time

1 Fees quoted are for Australian domestic students and should be used as a guide only. Fees are based on a typical enrolment in one year of full-time study.

All fees quoted are for Fee-Paying Places, unless indicated CSP (Commonwealth Supported Place). Actual tuition fee charged may depend on the units studied and these are subject to change.

2 The academic year for the Bachelor of Medicine Bachelor of Surgery is organised into two semesters.



Mahila Abbass
Bachelor of Medicine Bachelor of Surgery
Geelong Waurn Ponds Campus

The 'hands-on approach' of the Bachelor of Medicine Bachelor of Surgery program was one of the key reasons Mahila Abbass chose to study at Deakin. That, and the lifestyle that comes with studying in Geelong.

'I love living in the Geelong region and experiencing the waterfront and the coast,' she says.

Aside from the chance to take part in a variety of clinical placements from an early stage in her course, Mahila says other highlights have included the two years she has spent at The Geelong

Hospital – where she has been involved in clinical research in the neuroscience department, an area in which she's keen to undertake further study.

'Being on the frontline of health and having the ability to promote healthy living behaviours and ensure good health is a great privilege.'

And then there was the state government scholarship she obtained to attend a four-day international student conference in Dubai.

'It was a fantastic experience,' she says.

But what Mahila loves most about her course – and chosen profession (in which she has the long-term goal of setting up vaccination clinics for children in developing countries) – is the chance it offers her to make a difference to the health and wellbeing of people.

'Being on the frontline of health and having the ability to promote healthy living behaviours and ensure good health is a great privilege.'

KEY**3** Course duration in years**PT** Part time**B** Melbourne Burwood Campus**F** Geelong Waterfront Campus**G** Geelong Waurin Ponds Campus**W** Warrnambool Campus**X** Off campus

Bachelor of Medicine Bachelor of Surgery

4 **G** Course code: H311

Admission requirements: All applicants are required to sit the Graduate Australian Medical School Admissions Test (GAMSAT) as a prerequisite to admission. For more details about GAMSAT go to www.gamsat.acer.edu.au.

Selection is based on undergraduate academic record (grade point average or GPA), GAMSAT results and performance in a structured interview, which examines an applicant's skills in a number of areas relevant to medical practice, including communication skills, ethics and understanding of rural and regional issues.

Selection bonuses are awarded for rural and regional experience (which can be achieved through residency in a rural or regional area or through study at a rural or regional school, TAFE or university), prior clinical experience (e.g. nursing, physiotherapy, pharmacy) and financial disadvantage during undergraduate study. More detailed information is available at the School of Medicine web site www.deakin.edu.au/hmnbs/medicine.

The Bachelor of Medicine Bachelor of Surgery is a four-year, graduate-entry program.

It is distinctive and innovative, and aims to contribute to the improvement of the health and wellbeing of Australians by training doctors who are skilled and motivated to pursue a career in medicine in rural and regional areas, either as specialists or general practitioners.

As a Deakin medical student you will gain a comprehensive understanding of the practise of medicine, with an emphasis on the early development of clinical, communication and procedural skills; diagnosis and management of chronic diseases; and multidisciplinary teamwork.

A variety of teaching methods are used and the following four broad themes are carried throughout the course:

- » Knowledge of Health and Illness – the basic biological sciences underlying the practice of medicine, including cell biology, anatomy, physiology, biochemistry, pathology, microbiology, immunology, pharmacology and genetics
- » Doctor and Patient – the communication, clinical and procedural skills of medical practice
- » Doctors, Peoples, Cultures and Institutions – the social sciences relevant to medical practice including epidemiology, population health, health promotion research methods and evidence-based medicine, multidisciplinary teamwork and Indigenous health
- » Ethics, Law and Professional Development – professionalism and the ethical and legal principles of medical practice.

Years 1 and 2

Knowledge of Health and Illness – the predominant theme during the first two years of the course – is delivered in eight system-based topics:

- » human biology
- » infection, defence and repair
- » cardiorespiratory
- » renal/gastrointestinal
- » endocrine and life cycle
- » musculoskeletal and metabolism
- » brain and behaviour
- » transition to clinical practice.

You will be based at Deakin University's Geelong Waurin Ponds Campus for the first two years of the course. During this time you will attend weekly problem-based learning (PBL) tutorials where you will analyse 'real-life' clinical problems that have been designed to illustrate the relevance of basic social and behavioural sciences to clinical practice. PBL tutorials will be supplemented by lectures, practical classes and clinical experience in clinical skills laboratories, hospitals and other health services in the Geelong region.

At the end of Year 2, clinical skills will be consolidated through a 'Transition to Clinical Practice' rotation in preparation for Year 3 and Year 4.

Year 3

During Year 3 most students will undergo intensive clinical training within health services attached to one of four clinical schools: three in Western Victoria – Greater Green Triangle Clinical School (Warrnambool area), Grampians Clinical School (Ballarat area), and Geelong Clinical School; and one in Melbourne – Eastern Health Clinical School (Box Hill). In each clinical school, clinical education will be coordinated through a series of six, seven-week rotations in hospitals, health services and ambulatory settings, including general practice. A cohort of students will spend all of third year attached to a regional general practice where they will complete the Integrated Model of Medical Education in Rural Settings (IMMERSe). These students cover the same material as those studying in hospital settings.

Year 4

Students will be based at public and private hospitals and general practices in Geelong, Warrnambool, Ballarat or Melbourne for four additional five-week rotations. The course concludes with three, six-week terms: two 'selectives' (a pre-internship hospital rotation and either a further ambulatory, subacute or specialist rotation), and an 'elective' rotation that can be taken in Australia or overseas.

Medicine coursework degree

Course structure

The first two years of the course will be based at the Geelong Warrn Ponds Campus and in clinical settings around Geelong. In the third and fourth years of the program, you will undertake your training in one of four clinical schools in Victoria: the Greater Green Triangle Clinical School (centred on Warrnambool), the Grampians Clinical School (centred on Ballarat), the Geelong Clinical School (centred on Geelong), and Eastern Health Clinical School (centred on Box Hill and other Eastern Health hospitals).

The course is only available on a full-time basis. There is no Credit for Prior Learning available to any student. You must pass all units in each semester to progress to the next semester, including assessments in each system-based topic and each theme.

Bachelor of Medicine Bachelor of Surgery

Year 1	Semester 1/ Semester 2	HME101 Medicine 1A and HME102 Medicine 1B Topics include: human biology; infection, defence and repair; cardiorespiratory; renal/gastrointestinal; health, cultural, social and environmental systems; ethical and legal foundations of medical practice.
Year 2	Semester 1/ Semester 2	HME201 Medicine 2A and HME202 Medicine 2B Topics include: endocrine and life cycle; musculoskeletal and metabolism; health, cultural, social and environmental systems; ethical and legal foundations of medical practice.
Year 3	Semester 1/ Semester 2	HME301 Medicine 3A and HME302 Medicine 3B Rotations include: medicine, surgery, medicine/musculoskeletal; mental health; children's health; women's health.
Year 4	Semester 1/ Semester 2	HME401 Medicine 4A and HME402 Medicine 4B Rotations include: emergency medicine; general practice; aged care, rehabilitation and palliative care; anaesthetic/intensive care unit/procedures. The year concludes with a pre-internship rotation; an ambulatory, sub-acute or specialist selective rotation; and an elective rotation.



FOR MORE INFORMATION VISIT
www.deakin.edu.au/hmnbs/medicine



KEY**3** Course duration in years**PT** Part time**B** Melbourne Burwood Campus**F** Geelong Waterfront Campus**G** Geelong Waurin Ponds Campus**W** Warrnambool Campus**X** Off campus*Nikki Adler**Bachelor of Medicine Bachelor of Surgery
Geelong Waurin Ponds Campus*

For Nikki Adler, medicine is more than just her field of study. It's her passion.

Nikki was attracted to the course thanks to her keen interest in human physiology.

'I find the way in which the human body functions in both health and disease states to be incredibly fascinating,' she says. 'I (also) enjoy communicating with people and I look forward to developing positive and mutually respectful doctor–patient relationships as a medical practitioner.'

Her decision to study medicine was also partly driven by a desire to help combat the increasing burden of chronic diseases.

'I chose to study at Deakin as the medical course focuses not only on the knowledge of biomedical sciences, but also the importance of social justice, professional integrity,

interdisciplinary teamwork, medical ethics and cultural awareness . . . cognisance of these skills and concepts is essential for anyone who wishes to pursue a career in medicine and become a lifelong learner.'

'I chose to study at Deakin as the medical course focuses not only on the knowledge of biomedical sciences, but also the importance of social justice, professional integrity, interdisciplinary teamwork, medical ethics and cultural awareness.'

Nikki's hard work continues to be rewarded – this year she won Deakin's Coltman Equipment

Award and the Deakin Accommodation (Medicine) Scholarship.

She says she enjoys the teaching style at Deakin – particularly the emphasis on the biopsychosocial model of illness.

'I really enjoy listening to insightful guest lecturers and learning about medicine from different perspectives . . . the course is incredibly innovative, distinctive and the Faculty has impressive facilities.'

After graduating, Nikki is hoping to split her time between working as a physician and a medical researcher.

'I would love to make a contribution to the rapidly expanding knowledge of medical science, while making a difference to the health of numerous people.'



Student support services

Deakin University offers a complete range of services and programs to support students throughout their studies.

- » **Study advice** – including time management, reading and note-taking, developing your academic English, avoiding plagiarism, critical thinking, writing essays and reports, class presentations and exam preparation.
- » **Career development and employment** – including career guidance, job search assistance, and interview and resume skills training.
- » **Counselling and personal support** – professional and experienced counsellors provide free, confidential counselling where personal concerns or stresses are affecting your studies.
- » **Financial support** – including interest-free loans, grants, food vouchers and rental assistance.
- » **Religious services** – including spiritual counselling, faith support services and worship and prayer spaces.
- » **Medical centre** – medical and nursing healthcare and advice to students across all campuses, including GP consultations, vaccinations, tests and screenings and referrals to specialists.
- » **Library** – access more than 1.47 million books, journals, newspapers, videos, CDs and DVDs across the campus libraries. Off-campus students located in Australia may have print material from any campus library sent to their nominated address free of charge. Many of the library's resources are also available online.
- » **IT at Deakin** – all students can access 24-hour computer laboratories on each campus, and email and internet access for study purposes.
- » **Disability services** – the Disability Resource Centre can provide students who have a health condition or a disability (long term or temporary) that affects access or ability to study, with alternative assessment arrangements, academic support workers, study materials in accessible formats and help with assistive technology.

Research at Deakin

Universities are about knowledge – creating, discovering, analysing, sharing and dispersing knowledge. Research is at the core of these activities and helps to make Deakin University a vibrant place to study.

At Deakin we take pride in being relevant to students and to their communities, not just in the courses we teach, but in the research we carry out.

Studying at a university that is committed to research that matters means you have the opportunity to learn from people who are making a real difference in the world.

Our academic and research staff are highly regarded and at the cutting edge in their fields of research. This is important, regardless of whether or not you want to pursue a research career, because it means that you will graduate with the latest knowledge in your chosen field.

Deakin is serious about providing excellent support and experiences for our research students, most of whom have opportunities to work with partner collaborators nationally and internationally, present their work at international conferences and use world-class facilities within Australia and abroad.

There has never been a more exciting or compelling time to be at Deakin University as it moves confidently towards improving the University's research performance in order to position itself in the top third of the Australian higher education sector.

Deakin is building a critical mass of researchers and a distinctive, broad-based portfolio of high-quality discovery, applied and commercial research.

Deakin University provides research degree programs to match a variety of career plans and personal circumstances. Part-time or full-time study is available on campus and some programs may also be available off campus.

The two main types of research degree we provide are the research masters and the Doctor of Philosophy (PhD).

A **masters degree** is awarded to a candidate for making an original contribution to knowledge achieved in one to two years of full-time candidature or the part-time equivalent. The focus of these postgraduate degrees is on research, but some coursework may be included.

A **doctoral degree** is awarded to a candidate for making a substantial original contribution to knowledge achieved in two to four years of full-time candidature or the part-time equivalent. The PhD is becoming the minimum desired qualification for pursuing a career in academia or research and is an ideal basis for many other careers.

To ensure you enrol in a research degree that meets your needs and expectations, please discuss the available options with the Faculty of Health.

More information

Research Services Division

Phone: +61 3 9251 7124

research-hdr@deakin.edu.au

www.deakin.edu.au/future-students/research



Research in Medicine

Course name	Course code	Years full time	Campus
Research degrees			
Bachelor of Health and Medical Science (Honours)	H413	1 [^]	G
Master of Applied Science	H860	2	G X
Master of Applied Science	H861	2	G X
Doctor of Philosophy	H960	3 – 4	B G X
Doctor of Philosophy	H961	3 – 4	G X

[^] Part-time study options may also be available.

The Faculty of Health is deeply committed to research partnerships both within the University and also with colleagues in other universities, in industry and in government organisations. In this way, we seek to broaden our impact and ensure that our work is focused on issues that reflect national priorities.

We offer research degrees to match a variety of career plans and personal circumstances. Part-time or full-time study is available on campus and some programs may also be available off campus.

Strategic Research Centres

The Faculty of Health conducts a wide variety of research activities and is affiliated with five of Deakin University's Strategic Research Centres (SRCs). These SRCs work with national and international partners in health communities, business, industry and government to bring about evidence-based practical, equitable health outcomes globally, nationally and in local communities. They are:

- » Centre for Mental Health and Wellbeing Research
- » Centre for Physical Activity and Nutrition Research
- » Centre for Quality and Patient Safety Research
- » Molecular and Medical Research Group
- » Population Health.

The Centres are engaged in research programs related to patient care, mental health, molecular medicine, public health research and evaluation, population health, physical activity and nutrition, social determinants of health and wellbeing, and physical activity and health.



KEY

3 Course duration in years

PT Part time

B Melbourne Burwood Campus

F Geelong Waterfront Campus

G Geelong Waurin Ponds Campus

W Warrnambool Campus

X Off campus

Research groups

The School of Medicine houses a vibrant program of research, including over 30 research staff, as well as a growing cohort of research students. The School has already established a reputation for research excellence, underpinned by success in National Health and Medical Research Council and other competitive funding schemes, and research publications in high-impact journals. A number of research groups have emerged, many of which are underpinned by strong strategic partnerships.

For more information about the research opportunities offered in the School of Medicine visit www.deakin.edu.au/hmnbs/medicine/research.

Molecular and Medical Research Strategic Research Centre

Research focus is on the molecular basis of health and disease, spanning basic gene discovery and molecular analysis through to pre-clinical development, including translational research into novel strategies for optimising health and new therapeutic targets. These researchers focus on the molecular basis of health and disease, leading to novel strategies for maintaining health and new targets for rational drug development. Research spans basic gene discovery and molecular analysis, through functional genomics and pre-clinical development, to the testing of new therapeutics. Two major research facilities exist at the Geelong Waurin Ponds Campus:

Metabolic Research Unit – principally involved in research into metabolic diseases, particularly type 2 diabetes and obesity, muscle biology and neuroscience.

Molecular Medicine Research Facility – focused on the basic biology of the immune system, infectious agents, cancer and development at the molecular level, and how this can be exploited for the generation of new therapeutic agents.

Research staff are also located in our key research partners, CSIRO (AAHL) and Barwon Health. For more information about CSIRO visit www.csiro.au. To learn more about the AAHL visit www.csiro.au/places/aahl.

Centre for Quality and Patient Safety Research

The primary aim of the Centre is to ensure that relevant and responsive research is undertaken in the areas of quality care, risk management, and improving patient/client outcomes across hospital, aged care, and community care settings. Research findings are also influential in policy development at local, state, national and international levels.

To this end, programmatic research has been progressed in four strategic research priority areas:

- » Clinical Risk and Symptom Management
- » Workforce Development and Health Care Service Delivery Models
- » Consumer Involvement in Health and Social Care Decision-Making
- » Health Care Ethics and Policy Development.

National Centre for Farmer Health

The National Centre for Farmer Health (NCFH) is an exciting initiative in agricultural healthcare. This represents a research, service delivery and education centre that provides national leadership to improve the health and wellbeing of farmers, farm workers and their families across Australia. NCFH is a partnership between Deakin University and Western District Health Service and is based in Hamilton.

Centre for Rural Emergency Medicine

A joint initiative between the state government, Alcoa in Australia and the Deakin Medical School, the Centre for Rural Emergency Medicine (CREM) contributes to the coordination and delivery of effective emergency medical management in Western Victoria and provides national leadership in emergency medicine research. CREM is based at Deakin's Warrnambool Campus, South West Healthcare (Warrnambool) and Portland District Health. The Centre has received financial support from Alcoa, the Victorian Government and both health services.

Health Systems and Policy

The research program in Health Systems and Policy investigates global and local community health issues and policies, and their interfaces and interactions with health systems. Current projects include:

- » governance of the global tobacco epidemic: Australia's regional role
- » the health promoting school framework in an international school
- » health equity and urban planning at the new Armstrong Creek development.



Research in Medicine

Possible research topic areas

A wide range of research topics are available through the research groups described. For a full list of possible research projects visit www.deakin.edu.au/hmnbs/medicine/research/research-projects.

Supervision

Staff in the School of Medicine are involved in a range of research activities that both reflect and inform the teaching program and their involvement with community organisations. Our staff have many years of supervision experience and are enthusiastic in encouraging research degrees.

The research profile of staff is facilitated by collaborative relationships with numerous hospitals, clinics, healthcare networks, communities and support centres, and these partnerships enable us to provide our research students with excellent opportunities to pursue their own research.

More information

Faculty of Health
Phone: +61 3 9251 7174
hmnbs-research@deakin.edu.au
www.deakin.edu.au/hmnbs/research

Honours

The honours program in the School of Medicine is designed to build upon the skills and knowledge obtained during your undergraduate degree. The program provides students with an opportunity to pursue an independent investigative research project in an area of health and medicine. Students gain deeper knowledge in their chosen research area, as well as a suitable qualification for entry into a research degree (masters or PhD).

The School of Medicine honours program, comprising coursework units and a research thesis, is undertaken over one year of full-time study. Each student is allocated a primary supervisor, who provides regular support during the honours year.

Academic requirements:

- » an undergraduate degree appropriate to the area of study from any Australian university or international equivalent
- » a minimum 65 per cent average for the third year of undergraduate study.

The course includes an independent research project that is conducted under the supervision of the nominated supervisor, and two coursework units – Developing Research Skills and Research Methods. Students will be required to attend lectures during Trimester 1, some of which may be held off site.

Trimester 1

HBS400 Research Methods (2 credit points)
HMH401 Developing Research Skills (2 credit points)

Trimester 2

HMH402 Honours Research Project (4 credit points)

The honours year is an exciting year because it provides the first real opportunity to get a feel for research and students develop a wide range of research and problem-solving skills.

More information

To find out more about honours, please visit www.deakin.edu.au/honours. For a full list of possible research projects visit www.deakin.edu.au/hmnbs/medicine/research/research-projects.

For more information please contact the honours coordinator:
john.stambas@deakin.edu.au.



Tegan Dobbie
Bachelor of Medicine Bachelor of Surgery
Geelong Waurn Ponds Campus



For graduate medical student Tegan Dobbie, one of the strengths of Deakin's course is the focus on clinical studies – 'learning the skills that doctors use daily.'

'Even seemingly simple processes like taking a medical history are complex, interesting, and valuable, and there are many variables at play,' she notes. 'The practical learning and contact with patients reminds me why I want to do medicine, and makes the theoretical learning much more worthwhile.'

She says the fantastic support structures in place at the University – including being able to talk with lecturers, tutors, other students, the

Division of Student Life and the Deakin University Student Association – have helped her to maintain balance between her studies, work and extensive volunteering commitments.

'The practical learning and contact with patients reminds me why I want to do medicine, and makes the theoretical learning much more worthwhile.'

As well as studying, Tegan is working part time as a tutor and demonstrator in the University's School of Life and Environmental Sciences.

She has also represented Deakin medical students at Australian Medical Association events in Hobart and Adelaide and is now preparing to take part in a research project for a scholarship with the Royal College of Pathologists of Australasia.

'The opportunities to be involved in research and other extracurricular projects are another part of what makes medicine so interesting and engaging,' she says.

Tegan is 'passionate' about the university experience being more than 'just turning up for classes' and encourages others to 'get involved' in the social aspects of university life.

Fees and scholarships

Fee information

Deakin Medical School will offer 130 Commonwealth Supported Places (HECS-HELP places) in 2012, including 32 Bonded Medical Places. Four Medical Rural Bonded Scholarships are available. The School will also offer up to six places for international students.

Commonwealth Supported Places

A Commonwealth Supported Place is one where the government pays a proportion of the tuition costs and the student funds the balance through a Higher Education Contribution Scheme-Higher Education Loan Program (HECS-HELP) payment. Eligible students may obtain a loan via HECS-HELP to pay for all or part of their contribution. Repayments are made after graduation through the Australian taxation system once annual income exceeds the minimum threshold for repayment.

Bonded Medical Places

Students accepting a Bonded Medical Place sign an agreement with the Australian Government to work in a District of Workforce Shortage (as determined by the Department of Health and Ageing) for up to four years after completing postgraduate specialty training. You can get more information about Bonded Medical Places at www.health.gov.au/bmpscheme and more information about Districts of Workforce Shortage at www.doctorconnect.gov.au/internet/otd/Publishing.nsf.

Scholarships

Deakin offers a variety of scholarships to help support students financially during their studies. You will find information on a range of academic scholarships awarded to high-achieving students and a new program of Deakin Access Scholarships available for people who may not otherwise have the opportunity to access higher education, by visiting www.deakin.edu.au/scholarships.

Selection for most scholarships is based on academic merit. The primary criterion for scholarship for research degree students is the standard of honours qualification achieved. A high first-class honours degree or equivalent is required to be competitive for Australian Postgraduate Award and Deakin University Postgraduate Research scholarships. Scholarships are awarded for full-time candidature only.

Deakin Medical School students are also eligible to apply for accommodation support through the Geoff and Helen Handbury Scholarship, and for a number of other scholarships that provide financial support. For more information, please visit the School of Medicine web site www.deakin.edu.au/hmnbs/medicine/scholarships.

Medical students are also eligible for Medical Rural Bonded Scholarships. These scholarships provide a tax-free living allowance during the medical course in return for a commitment to practise medicine in a rural or remote location for up to six continuous years after completing postgraduate specialty training. You can get more information about Medical Rural Bonded Scholarships at www.health.gov.au/mrbscholarships.

International students

For information about fees and courses available to international students, please contact Deakin International for a copy of the *International Postgraduate Course Guide*, via email deakin-international@deakin.edu.au.

More information

GAMSAT www.gamsat.acer.edu.au

Australian Council for Educational Research www.acer.edu.au

Deakin Medical School www.deakin.edu.au/hmnbs/medicine

Graduate Entry Medical Schools Admissions System www.gemsas.edu.au

Our Alumni Community

Once you complete your Deakin degree, you will be invited to become a member of our Deakin University Alumni Community to continue your relationship with the University and the networks you have developed while studying.

The Deakin University Alumni Community will enable you to keep or renew contact with your student and professional networks around the world and will help develop your career after you leave the University. Members have access to many exclusive benefits including discounts, professional networking opportunities and career development services.

Alumni membership is free and joining is easy.

Log on to www.deakin.edu.au/alumni/register to register for membership. Once you are registered you can then take advantage of the many benefits available.



Patrick Renshaw
Bachelor of Medicine Bachelor of Surgery
Geelong Waurn Ponds Campus

‘Before studying medicine, I was working as a physiotherapist. Although this career was enjoyable and challenging, I did not feel it offered me enough scope and variety . . . I always wanted to be a doctor but it took me until I was 25 to jump through the hoops required for entry.

‘The medicine course has a rural practice focus and a very practical approach, and the School’s facilities are excellent.’

I commenced my medicine course at the age of 27. The challenge of medicine is that it has so many differing fields and is constantly evolving.

I chose Deakin because I felt the University was a good fit for me. The medicine course has a rural practice focus and a very practical approach, and the School’s facilities are excellent. The course has a good spread of sciences and social sciences with a focus on both rural and indigenous medicine, and the Faculty staff are very helpful, enthusiastic and flexible.’

How to apply

Applying for postgraduate programs at Deakin is easy – you can even track the progress of your application online.

Coursework applications

Admission and selection

Selection for the Bachelor of Medicine Bachelor of Surgery will be determined by academic performance in your undergraduate course (minimum grade point average (GPA) of 5.0); an aptitude test (the Graduate Australian Medical School Admissions Test (GAMSAT) where a minimum score of 50 in each section and 50 overall is required); and an interview. Prior clinical experience, a rural or regional background and financial disadvantage during your undergraduate studies will also be taken into account.

Graduate Australian Medical School Admissions Test (GAMSAT)

The GAMSAT has been developed by the Australian Council for Educational Research (ACER) in conjunction with the Consortium of Graduate Medical Schools to assist in the selection of students for graduate-entry medical programs. It is designed to assess applicants' capacity to undertake studies in an intellectually demanding course and is open to any student who has completed an undergraduate degree.

GAMSAT 2012 will be held in March. Registrations will open in mid-October 2011. For more information regarding the GAMSAT and application procedures, please visit www.gamsat.acer.edu.au and www.gemsas.edu.au.

All applications for domestic students (Australian and New Zealand residents) should be made through the Graduate Entry Medical Schools Admission System (GEMSAS) www.gemsas.edu.au.

Applications for international students should be made through:

Deakin International
Building LA, Entrance 3
70 Elgar Road
Burwood VIC 3125

Honours applications

Honours is an additional year of specialised study, usually taken after the completion of a bachelors degree, or embedded as part of a bachelors degree.

Honours provides an excellent opportunity to learn new skills and obtain an in-depth understanding of particular study areas.

Selection into Bachelor of Health and Medical Sciences (Honours) requires a relevant undergraduate degree with a 65 per cent average for the final year of study and availability of an appropriate supervisor.

To find out more about honours, please visit www.deakin.edu.au/honours or contact the School of Medicine honours coordinator, Dr John Stambas: john.stambas@deakin.edu.au.

Research applications

To be eligible for admission to a masters by research, you must have completed an honours degree with a minimum second class result or other equivalent qualification.

To be eligible for admission to a PhD, you must have completed an honours degree with a minimum upper second class result, or a relevant masters degree that includes a research thesis component, or other equivalent qualification.

Undertaking a research degree requires the candidate to complete an approved program of research under the guidance of one or more supervisors within a time period. The supervisors will be experienced and active researchers with expertise in the field of study.

Research degrees can be commenced at any time of the year. As such, if you are interested in making a candidature application (but not a scholarship application) you can do so at any time.

Before you apply, please discuss your research opportunities and the availability of supervision and supporting facilities – such as laboratory, computing or library facilities – with the relevant School, Faculty or potential supervisor. You should also discuss the nature of any preparatory or additional studies that might be required, as well as any special needs. It is advisable to make contact with a potential supervisor as early as possible in planning your research.

For a comprehensive list of research projects, please visit www.deakin.edu.au/hmnbs/medicine/research/research-projects. For further information please contact the higher degrees coordinator: ken.walder@deakin.edu.au



FOR MORE INFORMATION VISIT
www.deakin.edu.au/apply

Research application process

Step 1 – Entry pathways

Demonstrated capacity to undertake significant research in your proposed field is needed. Depending on the type of research you want to undertake, this includes:

- » completion of an honours degree
- » completion of a research or coursework masters degree
- » comparable qualifications from international universities
- » relevant postgraduate research experience
- » independently peer-reviewed journal articles, publications, or conference papers
- » professional reporting or prior learning
- » research related awards or prizes
- » other evidence of research ability.

Step 2 – Find our research strengths

Search our web sites and publications or speak to the relevant School or Faculty to confirm that Deakin has the expertise to supervise your project.

Step 3 – Research proposal

Write a 300-word proposal to demonstrate a clear vision of what you want to study, why this is a topic of personal interest, and how you will approach the research question.

Step 4 – Further documents

Other documents you are required to submit include:

- » any published research – including the name of the publication and a copy of the contents and abstract pages.

Post a certified copy of:

- » proof of Australian citizenship or permanent residency, or New Zealand citizenship (e.g. birth certificate, passport, citizenship certificate or visa)
- » transcripts of all of your tertiary education studies except those undertaken at Deakin University
- » proof of your start date and evidence of any intermissions or changes of candidature (e.g. from full time to part time) if you are applying to transfer a research degree from another institution
- » proof of any name changes (e.g. marriage certificate).

Step 5 – Academic referees' reports

Confidential reports from two academic referees are required. Request reports from current or former lecturers, or academic or employment supervisors who are able to comment on your research expertise and potential.

Step 6 – Apply now

Once you have the relevant information register your application online. Visit www.deakin.edu.au/research/admin/hdradmin/online-forms/hdr-application.

Step 7 – Enrolment

If you have been offered a place you will receive enrolment information with further details via email.

English language requirements

If your first language is not English, Deakin University reserves the right to seek further documentary evidence of English proficiency. For more information, please visit www.deakin.edu.au/future-students/international/apply-entry/english-req.

Please note, individual Faculties or Schools may have higher requirements. For more information, please phone 1300 DEGREE (1300 334 733).

Application dates

Applications for candidature without scholarship may be made at any time. Applications for scholarships have deadlines. For domestic applicants (citizens and permanent residents of Australia, and citizens of New Zealand) the scholarship round closes at the end of October.

For more information visit www.deakin.edu.au/future-students/research/scholarships.

For more information

If you are interested in a research degree, please contact:
Research Services Division
Phone: +61 3 9251 7124
research-hdr@deakin.edu.au
www.deakin.edu.au/future-students/research.

Unit descriptions

HME101 Medicine 1A

Semester 1, 4 credit points

HME101 represents Semester 1 of Year 1 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course and consists of a single unit of 4 credit points. The curriculum throughout the BMBS course is organised into four themes: Doctor and Patient; Knowledge of Health and Illness; Doctors, Peoples, Cultures and Institutions; and Ethics, Law and Professional Development.

Doctor and Patient

The Doctor and Patient theme comprises 25 per cent of the curriculum in HME101. In this theme, clinical tutors guide students to develop their clinical skills and competence in basic life support, communication skills, history-taking, medical interviewing, physical examination and minor clinical procedures using real patients, actors, models and mannequins.

Knowledge of Health and Illness

The Knowledge of Health and Illness theme comprises 50 per cent of the curriculum in HME101 and is delivered as an integrated program of biomedical and clinical lectures, problem-based learning of illustrative medical cases, and a laboratory practical program. The topics covered in the HME101 Knowledge of Health and Illness theme are: Human Biology – an overview of the anatomy and physiology of the body's main organ systems, cell biology, genetics, biochemistry and pharmacology; and infection, defence and repair – an introduction to haematology, oncology, pathology, immunology, medical microbiology and public health.

Doctors, Peoples, Cultures and Institutions

The Doctors, Peoples, Cultures, and Institutions theme comprises 12.5 per cent of the curriculum in HME101 and addresses the wider context in which patient care occurs, and the relevance of individual, psychological, family and cultural factors to health and illness from a population perspective using mini-PBLs, lectures, workshops and seminars. In HME101, the first two of four recurrent systems perspectives are introduced: Health Systems I – covers health care concepts, the Australian health system, and evidence-based medicine; and Cultural Systems I – covers Indigenous health, qualitative and quantitative research, epidemiology and biostatistics, and medical and health anthropology.

Ethics, Law and Professional Development

The Ethics, Law and Professional Development theme comprises 12.5 per cent of the curriculum in HME101 and provides opportunities for students to reflect on their development as medical professionals and learn about the ethical and legal foundations of medical practice.

Topics include the doctor–patient relationship; ethics and legal issues of privacy, consent and confidentiality; the Victorian Medical Registration Board; medical negligence; and mandatory reporting. An ongoing personal and professional development project involves groups of students visiting community health professionals, facilities and organisations.

HME102 Medicine 1B

Semester 2, 4 credit points

HME102 represents Semester 2 of Year 1 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course and consists of a single unit of 4 credit points. The curriculum throughout the BMBS course is organised into four themes: Doctor and Patient; Knowledge of Health and Illness; Doctors, Peoples, Cultures and Institutions; and Ethics, Law and Professional Development.

Doctor and Patient

The Doctor and Patient theme comprises 25 per cent of the curriculum in HME102. In this theme clinical tutors guide students to continue their development of clinical skills and competence in history-taking, physical examination and clinical procedures, linking with the relevant systems studied in the Knowledge of Health and Illness theme.

Knowledge of Health and Illness

The Knowledge of Health and Illness theme comprises 50 per cent of the curriculum in HME102 and is delivered as an integrated program of biomedical and clinical lectures, problem-based learning of illustrative medical cases and a laboratory practical program. Important community and public health issues related to diseases of the systems studied are introduced.

The systems covered in the HME102

Knowledge of Health and Illness theme are: Cardiorespiratory – covers the development, structure and control of the normal heart, vascular and respiratory systems, as well as the mechanisms, clinical manifestations and

treatments of the major cardiovascular and respiratory diseases; and Renal/Gastrointestinal – covers the anatomy, physiology, biochemistry, and pathology of the renal-urogenital and gastrointestinal tracts, as well as the mechanisms, clinical manifestations, and treatment of common renal and gastrointestinal diseases.

Doctors, Peoples, Cultures and Institutions

The Doctors, Peoples, Cultures, and Institutions theme comprises 12.5 per cent of the curriculum in HME102 and introduces the final three systems perspectives: Social Systems I – covers the ways and means in which groups, populations and communities interact and shape their living environment, including professional communities and practices; Environmental Systems I and II – covers the creation, sustainability and impacts of the natural, built, economic and social/educational environment on individual and population health; and Cultural Systems II – covers Indigenous health, public health nutrition, evidence-based medicine, and epidemiology and biostatistics.

Ethics, Law and Professional Development

The Ethics, Law and Professional Development theme comprises 12.5 per cent of the HME102 curriculum and introduces the following topics: legal requirements and responsibilities with deceased persons, quality management in health, patient safety and risk management, medical career information, and conflict of interest.

KEY

- B** Melbourne Burwood Campus
- F** Geelong Waterfront Campus
- G** Geelong Waurm Ponds Campus
- W** Warrnambool Campus
- X** Off campus



*Associate Professor Ruth Stewart
Director of Clinical Studies
(IMMERSe)
School of Medicine*

Associate Professor Ruth Stewart is the Director of Clinical Studies (IMMERSe), for the Deakin Integrated Model of Medical Education in Rural Settings (IMMERSe). She brings to this role 20 years of experience living and working as a rural doctor with procedural skills in Camperdown, a small rural town in south-west Victoria. She is also the coordinator of the Year 4 General Practice Rotation.

Assoc. Prof. Stewart has experience teaching undergraduate students and postgraduate general practice trainees.

She has served on the board of the Australian College of Rural and Remote Medicine since 2002 and has a particular interest in rural maternity care. She has been a member of the Commonwealth Department of Health and Ageing's Nurse Practitioner Advisory Group, and is a member of the Expert Advisory Committee for the National Evidence Based Antenatal Guidelines.

Her research interests include rural health, rural maternity services, rural medical education and clinical networks in rural areas.



Unit descriptions

HME201 Medicine 2A

Semester 1, 4 credit points

Prerequisite: Must have successfully completed HME102.

HME201 represents Semester 1 of the Year 2 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course and consists of a single unit of 4 credit points. The curriculum throughout the BMBS course is organised into four themes: Doctor and Patient; Knowledge of Health and Illness; Doctors, Peoples, Cultures and Institutions; and Ethics, Law and Professional Development.

Doctor and Patient

The Doctor and Patient theme comprises 25 per cent of the curriculum in HME201 and continues the development of history-taking, examination and procedural skills in the context of the systems studied in the Knowledge of Health and Illness theme.

Knowledge of Health and Illness

The Knowledge of Health and Illness theme comprises 50 per cent of the curriculum in HME201 and is delivered as an integrated program of biomedical and clinical lectures, problem-based learning of illustrative medical cases and a laboratory practical program. Important community and public health issues related to diseases of the system studied are introduced. The systems covered in the HME201 Knowledge of Health and Illness theme are: Endocrine and Life Cycle – covers embryology, physical and psychosocial development from birth to old age, ageing, the structure and function of the endocrine and reproductive systems, the nature of hormones, control mechanisms affecting fertility and pregnancy in normal and pathological conditions, and the clinical manifestations, complications and treatment of some common endocrine and reproductive disorders; Musculoskeletal and Metabolism – covers the normal structure and functions of the musculoskeletal system at macroscopic and microscopic levels and the causes and consequences of common injuries to the musculoskeletal system, the basic processes underlying the normal and abnormal development and the pathogenesis and investigations of common diseases affecting the musculoskeletal system, metabolism and associated diseases, issues related to workplace injuries, societal impact of musculoskeletal disabilities and rehabilitation.

Doctors, Peoples, Cultures and Institutions

The Doctors, Peoples, Cultures, and Institutions theme comprises 12.5 per cent of the curriculum in HME201 and includes the following topics: Health Systems II – covers health promotion, population health approaches, community-based health promotion, biostatistics and epidemiology, and 'rural' epidemiology; Social Systems II – covers medical-industrial complex, international health, globalisation and health, and research methods; and Scientific Systems – covers critical stages of this research enterprise: the development of the research proposal, and considerations of its ethical dimensions and feasibility issues (note: this topic will be integrated with the Ethics, Law and Professional Development theme).

Ethics, Law and Professional Development

The Ethics, Law and Professional Development theme comprises 12.5 per cent of the HME201 curriculum and is divided into the following blocks: Issues at the Start and End of Life – covers issues related to reproductive technologies, paediatric communication, refusal and choice of medical treatment at end of life, life prolonging treatments in patients in a persistent vegetative state; Patient Safety and Quality Management – covers quality and safety guidelines for patient care, managing and reporting risks and hazards, and medical records and medico-legal reporting; Professional Responsibilities and Obligations – covers standards of clinical care, reasoning and clinical decisions, and research ethics and regulations; and Professional Behaviours and Relationships – covers regulatory and ethical behaviour, attitudes and skills expected of doctors. Students are also required to complete the requirements of an Inter-professional Education Module comprising an extended clinical placement and successful completion of an online study program run in parallel with HBS345 Interprofessional Collaboration in Health Care.

HME202 Medicine 2B

Semester 2, 4 credit points

Prerequisite: Must have successfully completed HME201.

HME202 represents Semester 2 of Year 2 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course and consists of a single unit of 4 credit points. The curriculum throughout the BMBS course is organised into four themes: Doctor and Patient; Knowledge of Health and Illness; Doctors, Peoples, Culture and Institutions; and Ethics, Law and Professional Development.

Doctor and Patient

The Doctor and Patient theme comprises 25 per cent of the curriculum in HME202 and continues the development of history-taking, examination and procedural skills in the context of the Brain and Behaviour topic studied in the Knowledge of Health and Illness theme. The Transition to Clinical Practice topic includes an intensive three-week period in the Clinical Skills Learning Unit consolidating clinical and procedural skills, and has been specifically designed as preparation for Year 3, ensuring a seamless transition to learning in a clinical setting. Students also undertake further studies relating to acute and chronic medical and surgical conditions, with a focus on subspecialty areas such as ear, nose and throat; dermatology and ophthalmology; as well as clinical pharmacology and radiology. Sessions introducing history-taking and examination in general practice, child health and mental health are included.

Knowledge of Health and Illness

The Knowledge of Health and Illness theme comprises 50 per cent of the curriculum in HME202 and continues the exploration of basic sciences within the following topics: Brain and Behaviour - covers the nervous and sensory systems and relevant disorders, beginning with a revision of basic cellular neurobiology and progressing to neurobiological and behavioural views of the whole person; and Transition to Clinical Practice - focuses on consolidation of knowledge and skills to enable students to proceed to their clinical attachments in Year 3 and Year 4 with confidence. Basic science and clinical knowledge is integrated with concepts from the systems units through study of multi-system acute and chronic disease, focusing on management and treatment as well as investigation of underlying mechanisms and causes of disease. The topic also provides students with an increased awareness of the need for accurate and thorough patient assessment and holistic management; and recognition of the role of other health professionals in the diagnosis and management of impairment, disability and handicap.



KEY

- B** Melbourne Burwood Campus
- F** Geelong Waterfront Campus
- G** Geelong Waurn Ponds Campus
- W** Warrnambool Campus
- X** Off campus

Ethics, Law and Professional Development

The Ethics, Law and Professional Development theme contributes 12.5 per cent of the HME202 curriculum. The final topic, Professional Behaviours and Relationships, covers issues of professional and unprofessional conduct. Patient safety and risk management continue through this semester. Issues-associated ethics and psychiatry, involuntary treatment, refusal of treatment, organ donation and brain death, professional regulation, and the practitioner in difficulty are discussed. The theme concludes within ethical, legal and professional issues relevant to Transition to Clinical Practice.

Doctors, Peoples, Cultures and Institutions

The Doctors, Peoples, Cultures, and Institutions theme comprises 12.5 per cent of the curriculum in HME202 and includes the following topics: Social Systems III – covers stress and chronic illness, mental illness and vascular disease, quality of life and health, brain theory of mind and empathy, mental illness, Indigenous health, gender inequalities in health, and substance abuse in youth; and Integration for Clinical Practice, which considers a range of health issues and phenomena that require teamwork and an integrative perspective, with developmental disability as an illustrative example. Practicalities needed when entering clinical practice will also be introduced.

HME301 Medicine 3A **X**[^]

Semester 1 enrolled credit points, 4; achievable credit points at the end of semester 1, 0 credit point*
Prerequisite: Must have successfully completed HME102.

HME301 represents the first half (Semester 1) of Year 3 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course. Year 3 consists of two semester-long units, which are combined into an integrated year-long, 8 credit point program of study.

In Year 3, the majority of students begin a two-year clinical attachment to one of four clinical schools and continue their study of the four themes of the BMBS. During Year 3, students will typically undertake the equivalent of three days of clinical activity, one day of formal teaching activities and one day of private study each week.

The four themes of the BMBS continue in Year 3. Teaching in the Knowledge of Health and Illness, and Doctor and Patient themes is fully integrated, comprising 75 per cent of the Year 3 curriculum and assessment. During Year 3, students undertake six seven-week rotations at hospitals and other sites attached to the clinical schools: medicine, surgery, musculoskeletal/medicine, children's health, women's health and mental health. The disciplines of pathology, pharmacology and imaging are integrated across all six rotations. Three rotations are completed in Semester 1 (HME301) and three in Semester 2

(HME302). As the order of clinical rotations varies for individual cohorts of students, the grading of HME301 is combined with HME302 (Semester 2) so that a year grade is awarded only after assessments in all rotations and themes have occurred.

The Ethics, Law and Professional Development, and Doctors, Peoples, Cultures, and Institutions themes each comprise 12.5 per cent of the Year 3 curriculum and its assessment. Teaching in these themes is integrated into the clinical rotations with additional study modules addressing a range of thematic topics.

Each year a group of students undertake the Integrated Model of Medical Education in Rural Settings (IMMERSe) program, in which the material contained in the six clinical rotations (including pathology, pharmacology and imaging) is studied concurrently during a year-long attachment to a regional general practice. IMMERSe students study the same curriculum and undertake the same assessment as hospital-based students.

Note: The third year of the Bachelor of Medicine Bachelor of Surgery course consists of two integrated semester units of 4 credit points each (HME301 and HME302).

[^] This unit is delivered in off-campus mode, with online delivery of most curriculum materials to ensure that students working away from major centres are well supported.



Unit descriptions

HME302 Medicine 3B ^X [^]

Semester 2 enrolled credit points, 4; achievable credit points at the end of semester 2, 8 credit points

Prerequisite: Must have successfully completed HME201.

HME302 represents the second half (Semester 2) of Year 3 of the Bachelor of Medicine Bachelor of Surgery (BMBS) course. Year 3 consists of two semester-long units, which are combined into an integrated year-long, 8 credit point program of study.

In Year 3, students begin a two-year clinical attachment at one of four clinical schools and continue their study of the four themes of the BMBS. During Year 3, students will typically undertake the equivalent of three days of clinical activity, one day of formal teaching activities and one day of private study each week.

The four themes of the BMBS continue in Year 3. Teaching in the Knowledge of Health and Illness, and Doctor and Patient themes is fully integrated, comprising 75 per cent of the Year 3 curriculum and assessment. During Year 3, students undertake six seven-week rotations at hospitals and other sites attached to the clinical schools: medicine, surgery, musculoskeletal/medicine, children's health, women's health and mental health. The disciplines of pathology, pharmacology and imaging are integrated across all six rotations. Three rotations are completed in Semester 1 (HME301) and three in Semester 2 (HME302). As the order of clinical rotations varies for individual cohorts of students, the grading of HME301 is combined with HME302 (Semester 2) so that a year grade is awarded only after assessments in all rotations and themes have occurred.

The Ethics, Law and Professional Development and Doctors, Peoples, Cultures, and Institutions themes each comprise 12.5 per cent of the Year 3 curriculum and its assessment. Teaching in these themes is integrated into the Knowledge of Health and Illness/Doctor and Patient clinical rotations with additional study modules addressing a range of thematic topics.

Each year a group of students undertake the Integrated Model of Medical Education in Rural Settings (IMMERSe) program, in which the material contained in the six clinical rotations (including pathology, pharmacology and imaging) is studied concurrently during a year-long attachment to a regional general practice. IMMERSe students study the same curriculum and undertake the same assessment as hospital-based students.

Note: The third year of the Bachelor of Medicine Bachelor of Surgery course consists of two integrated semester units (HME301 and HME302) of 4 credit points each.

[^] This unit is delivered in off-campus mode, with online delivery of most curriculum materials to ensure that students working away from major centres are well supported.

HME401 Medicine 4A ^G

Semester 1, 4 credit points

In Year 4 HME401, students continue a two-year clinical attachment to one of four clinical schools and continue their study of the four themes of the BMBS. During HME401, students will typically undertake the equivalent of three days of clinical activity, one day of formal teaching activities and one day of private study each week.

The four themes of the BMBS continue in HME401. Teaching in the Knowledge of Health and Illness and Doctor and Patient themes is fully integrated, comprising 75 per cent of the Year 4 curriculum and assessment.

During HME401, students undertake four five-week rotations at hospitals and other sites attached to their clinical school: emergency medicine, aged care/palliative care/rehabilitation, intensive care/anaesthetics/procedures, and general practice. The disciplines of pathology, pharmacology and imaging are integrated across all four rotations. The order of clinical rotations varies for individual students.

The Ethics, Law and Professional Development and Doctors, Peoples, Cultures, and Institutions themes each comprise 12.5 per cent of the Year 4 curriculum and its assessment. Teaching in these themes is integrated into the clinical rotations with additional study modules addressing a range of thematic topics.

Students who have completed the Integrated Model of Medical Education in Rural Settings (IMMERSe) in Year 3 (HME301/302) are based at hospital sites for HME401.

The final written and clinical examinations are conducted at the end of HME401.

HME402 Medicine 4B ^G

Semester 2, 4 credit points

The second semester of Year 4 comprises two 'selective' rotations and an elective rotation.

During the pre-internship selective, students are attached to a hospital-based clinical unit which includes one or more interns. Students are fully involved in the clinical activities of the unit (ward rounds, admissions, outpatient clinics, operating and procedural sessions, clinical meetings) to prepare for internship in the year after graduation.

During the ambulatory/subacute/specialist selective, students are attached to a clinical unit or clinician at a clinical site attached to their clinical school. Students are fully involved in clinical activities (ward rounds, admissions, outpatient clinics, operating and procedural sessions, clinical meetings).

During the elective rotation, students are attached to a clinical unit or clinician at a clinical site of their choice anywhere in the world. This is an opportunity to explore an area of interest and students are expected to be fully involved in the clinical activities of their unit or supervisor.

The four themes of the BMBS continue in HME402 and learning objectives from each theme are developed for each rotation. There are no formal exams and progression is pass/fail based on a report produced by the student and a report produced by the supervisor which assesses the student's achievement of learning objectives for that rotation.



KEY

- B** Melbourne Burwood Campus
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*Kerry Hewitt
Bachelor of Medicine Bachelor of Surgery
Geelong Waurn Ponds Campus*

Kerry Hewitt says that you don't begin studying medicine as a mature-age student – and while juggling the responsibilities of study and a family – unless you are absolutely sure it's what you want to do.

'I have always worked in health care and on many occasions have thought about studying medicine – Deakin has given me the opportunity to do this.'

After a 20-year career in nursing – and with postgraduate qualifications in both critical care and professional development and education – Kerry is strongly motivated in her studies to become a medical doctor.

'My motivation comes from "within" so consequently I do not have to rely on other people or external factors to keep me on track. If I did not really want to do this, and didn't enjoy it, I would not be here.'

Based in Ballarat, Kerry is now in her fourth year of Deakin's four-year, graduate-entry medical course.

'Deakin offers students the opportunity to study medicine in a rural setting and this was perfect for me. I have always worked in healthcare and on many occasions have thought about studying medicine – Deakin has given me the opportunity to do this,' she says.

In the time Kerry has been working as a nurse she says there have been a lot of advances in the understanding of biochemical processes.

'This was one of the more challenging aspects of the course for me . . . learning the things that were discovered long after I stopped studying science. The first six months were tough as I grappled some of the biochemical basics but once we moved onto more systems-based learning I became more comfortable.'

Kerry is now enjoying the clinical rotations which make up the third and fourth years of the course.

'I want to get a varied clinical foundation over the next few years so that one day I can work competently in fairly remote areas for a period of time. I like the "puzzle solving" aspect of medicine and (in the future) would like to combine that with a few procedures, just to keep it interesting.'

Find out more

Where to get more information

Web site

Deakin on the web, www.deakin.edu.au, contains detailed information on everything at Deakin, including:

- » courses
- » unit descriptions
- » student profiles
- » campuses
- » facilities and services
- » applications and scholarships
- » research.

To find detailed course information, including unit descriptions, you can visit the following sites:

- » Course search – search for Deakin's courses online www.deakin.edu.au/courses, find the course you are looking for and view a full description of that unit
- » *Postgraduate Studies Handbook* – the handbook provides a listing and description of all units and course structures www.deakin.edu.au/handbook.

Other useful web sites

Fees
www.deakin.edu.au/future-students/fees

Library
www.deakin.edu.au/library

Research scholarships
www.deakin.edu.au/future-students/research/scholarships

Study skills
www.deakin.edu.au/future-students/services-facilities

Course enquiries

For additional course guides and brochures or more information about application, selection and enrolment, as well as fees and charges, please contact:

1300 DEGREE (1300 334 733)
enquire@deakin.edu.au
www.deakin.edu.au/courses

Research degree enquiries

Research Services Division
Phone: +61 3 9251 7124
research-hdr@deakin.edu.au
www.deakin.edu.au/research

Disability services

For details, phone:

- » Geelong 03 5227 1221
- » Melbourne 03 9244 6255
- » Warrnambool 03 5563 3256

visit www.deakin.edu.au/disability or email drcentre@deakin.edu.au.

International student enquiries

Deakin University also produces course guides specifically for international students. To request a copy phone Deakin International on +61 3 9627 4877, email deakin-international@deakin.edu.au or visit www.deakin.edu.au/international.

Further reading

Postgraduate study area booklets:

- » Architecture and Built Environment
- » Arts, Humanities and Social Sciences
- » Business and Law
- » Education
- » Engineering
- » Health
- » Information Technology
- » Media, Communication and Creative Arts
- » Medicine
- » Nursing and Midwifery
- » Nutrition and Dietetics
- » Optometry
- » Psychology
- » Science and Environment.

To request a copy of any of the above publications please email enquire@deakin.edu.au, phone 1300 DEGREE (1300 334 733), or download at www.deakin.edu.au/future-students/brochures.

Open Days 2011

Warrnambool Campus
Sunday 14 August

Geelong Waurm Ponds Campus
Sunday 21 August

Geelong Waterfront Campus
Sunday 21 August

Melbourne Burwood Campus
Sunday 28 August

www.deakin.edu.au/openday

Social media@Deakin

You can find us on social media sites Facebook, Twitter and YouTube using the links on our social media page.

Keep in-the-know about all things Deakin, including upcoming events and general information, and have your questions answered.

We also have an iTunesU channel, where you can learn about our research activities, teaching and learning initiatives and view highlights of student work, training guides and videos of public lectures.

Visit www.deakin.edu.au/socialmedia to get connected with Deakin.



Postgraduate Information Nights

RACV Club, Melbourne

Tuesday 4 October 2011, 5–7 pm

Melbourne Burwood Campus

Tuesday 11 October 2011, 5–7 pm

Postgraduate Information Nights will also be held in February and May 2012. Please visit www.deakin.edu.au/postgrad or phone 1300 DEGREE (1300 334 733) closer to the time for specific dates and event details.

Important dates

2011

14 August

Open Day at Warrnambool Campus

21 August

Open Day at Geelong Waurin Ponds Campus
Open Day at Geelong Waterfront Campus

28 August

Open Day at Melbourne Burwood Campus

4 October

Postgraduate Information Night, 5–7 pm
RACV Club, Melbourne
To register visit www.deakin.edu.au/pgevents.

11 October

Postgraduate Information Night, 5–7 pm
Melbourne Burwood Campus
To register visit www.deakin.edu.au/pgevents.

31 October

Closing date for applications for research
scholarships – Australian and New Zealand citizens
and Australian permanent residents.

14 November

Trimester 3 begins

Application closing dates

GAMSAT 2012 will be held in March. Registrations will open in mid-October 2011.
For more information regarding the GAMSAT and application procedures,
please visit www.gamsat.acer.edu.au and www.gemsas.edu.au.

2012

Bachelor of Medicine Bachelor of Surgery semester dates

Semester 1

Teaching period 30 January–8 June
Easter holiday/intra-semester break 9 April–14 April
Examination period 18 June–22 June
Inter-semester break 25 June–29 June

Semester 2

Teaching period 2 July–9 November
Intra-semester break 24 September–28 September
Examination period 19 November–23 November

For details, please visit www.deakin.edu.au/hmnbs/medicine.

Medicine Information Evenings

Medicine Information Evenings will be held in May 2012.
Please visit www.deakin.edu.au/postgrad-events or
www.deakin.edu.au/hmnbs/medicine closer to the time
for specific dates and event details.

More information

1300 DEGREE (1300 334 733) | www.deakin.edu.au | enquire@deakin.edu.au

2011 DEAKIN UNIVERSITY OPEN DAYS

**WARRNAMBOOL
CAMPUS**

Princes Highway
Warrnambool Vic 3280

**14
AUG**

**GEELONG
WAURN PONDS CAMPUS**

Pigdons Road
Waurn Ponds Vic 3216

**21
AUG**

**GEELONG
WATERFRONT CAMPUS**

1 Gheringhap Street
Geelong Vic 3220

**21
AUG**

**MELBOURNE
BURWOOD CAMPUS**

221 Burwood Highway
Burwood Vic 3125

**28
AUG**