

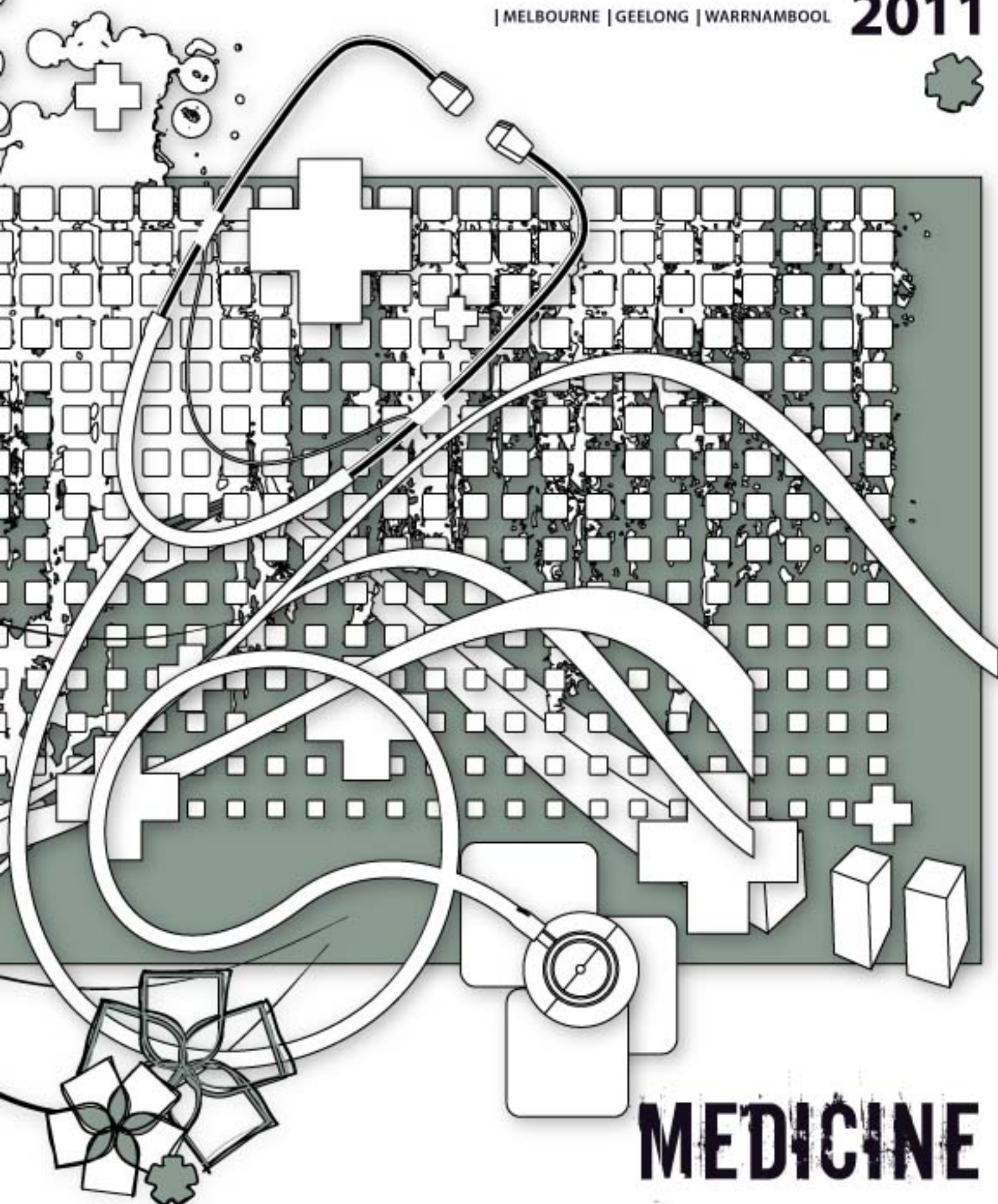


**DEAKIN**  
UNIVERSITY AUSTRALIA

MEDICINE

| MELBOURNE | GEELONG | WARRNAMBOOL

**2011**



**MEDICINE**



*The Deakin Bachelor of Medicine Bachelor of Surgery (BMBS) is a four-year, graduate-entry program that will prepare you for practice within a range of health care settings. A graduate-entry program requires successful completion of an undergraduate degree.*

**Malaria research offers new hope**

School of Medicine researcher, Dr Tania de Koning-Ward, along with other Melbourne scientists, has identified a chink in the life cycle of malaria that offers hope for the development of new treatment options for the disease.

Malaria is spread via mosquitoes and there are more than 400 million cases of malaria each year, with more than one million people – mainly children – dying from the disease annually. New therapies are urgently needed to combat ever-increasing resistance to the available drugs.

Dr de Koning-Ward has discovered the identity of a protein channel that allows the malaria parasite to survive and cause illness. 'The next step is to identify drugs that block this protein channel,' says Dr de Koning-Ward.



# MEDICINE

THE DIFFERENCE IS DEAKIN

## Deakin medicine

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

## 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. You will also be well placed to pursue careers in medical research.

## Problem-based learning

At Deakin, the main teaching method 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 program has a strong emphasis on interprofessional learning. Medical students 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 Campus at Waurin Ponds. 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 Parallel Rural Community Curriculum (PRCC) 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. An important aspect of the PRCC is 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.

## Special emphasis will be given to 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 for entry into the Deakin graduate-entry medicine program. Deakin teaches a full range of health disciplines including nursing, public health and health promotion, health sciences, dietetics, occupational therapy, psychology, exercise science and biomedical science.

“The Advisory Boards help us make sure that the curriculum we're delivering is producing graduates who are suited to the jobs they'll do and the environment in which they'll work in rural and regional Victoria. The Advisory Board members are senior clinicians and administrators from the region, who help us to arrange clinical placements, identify opportunities for research and provide advice on how we can assist regional health services.”

Professor Brendan Crotty  
Head, School of Medicine

## National Centre for Farmer Health

A 2008 report by the Australian Institute of Health and Welfare revealed that rural Australians experience above-average rates of cardiovascular and respiratory disease, diabetes and cancer. Throw in the effects of a long-term, ongoing drought and the list also includes higher levels of stress, anxiety and depression. In fact, a 2005 Department of Human Services study found that in some areas of Victoria, rural residents have a life expectancy of five years less than their metropolitan counterparts.

Statistics like these are now being tackled head-on by the National Centre for Farmer Health (NCFH) – a partnership between Deakin University and the Western District Health Service.

Based in Hamilton, the NCFH delivers professional training and education, applied research and development, an IT information hub, innovative health programs, and the award-winning Sustainable Farm Families program.



## Professor Brendan Crotty Head, School of Medicine

Professor Brendan Crotty is the Head of the School of Medicine, and Professor of Medicine at Deakin University. Professor Crotty graduated from the University of Melbourne in 1979 and then trained in gastroenterology at St Vincent's and the Alfred Hospital in Melbourne. After completing a research doctorate at St Vincent's Hospital, he worked for two years at the Radcliffe Infirmary in Oxford, in the UK, where he developed a research and clinical interest in inflammatory bowel disease. Since returning to Australia he has worked in clinical medicine, medical research and medical education. He has extensive experience in undergraduate, prevocational and specialist medical education.

He is Chair of the Postgraduate Medical Council of Victoria, the body responsible for training programs for all first and second year medical graduates working in Victorian hospitals. He has supervised the training of more than 200 junior doctors who became specialist physicians.

As a practising physician, Professor Crotty brings more than 20 years experience in general medicine and gastroenterology to the development of the Deakin curriculum, as well as expertise in clinical research. His vision for the Deakin Medical School is to produce doctors with broad clinical, communication and procedural skills, who will become general practitioners and specialists in the region, and to develop a strong research base within the School and its regional partners. He is confident that Deakin graduates will be well equipped to manage the increasing burden of chronic disease in the community, work effectively in multidisciplinary teams and make a significant contribution to medical research.

*Deakin Medical School graduates will be well prepared to work as interns in regional, metropolitan and interstate hospitals.*

*As a graduate you will be equipped to enter 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 specialties.*

*Other possible career paths include medical research, academia and hospital and government medical administration.*





## WHAT STUDY AREAS ARE AVAILABLE?

Four themes are carried through the Bachelor of Medicine Bachelor of Surgery and embedded in problem-based learning (PBL) tutorials, lectures, practical classes and clinical experience:

- » knowledge of health and illness
- » doctor and patient
- » doctors, people, cultures and institutions
- » ethics, law and professional development.

Knowledge of health and illness – the predominant theme during the first two years of the course – is delivered in 11 system-based topics:

- » human homeostasis
- » identity, microbes and defence
- » cardiovascular system
- » respiratory system
- » renal system
- » gastrointestinal system
- » human life cycle
- » endocrine/reproductive systems
- » musculoskeletal system
- » brain and behaviour
- » transition to clinical practice.

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

The main learning method during the first two years of the course is problem-based learning (PBL) where you will learn the basic social and behavioural sciences needed to practise medicine using 'real-life' clinical problems, which have been designed to illustrate the relevance of these sciences to clinical practice. PBL has significant benefits as it illustrates the relevance of each discipline to clinical practice.

During the third and fourth years, training will be delivered in clinical settings where you will be able to gain comprehensive clinical experience in hospitals, general practices and community-based services. You will be based at one of four clinical schools: the Greater Green Triangle Clinical School (centred on Warrnambool); the Grampians Clinical School (centred on Ballarat); the Greater Geelong Clinical School (centred on Geelong); and the Eastern Health Clinical School (centred on Box Hill).

Practising doctors in these clinical settings provide most of the teaching. Teaching programs delivered by each clinical school will be coordinated by Directors of Clinical Studies, who are senior academics within the School of Medicine. High-quality, web-based support, built on Deakin's expertise in online learning, will ensure close contact with academic and support staff for educational, research and professional development purposes.

There is an elective in the fourth year of the course, where students are able to arrange clinical placements interstate or overseas.

# COURSE STRUCTURE

## BACHELOR OF MEDICINE BACHELOR OF SURGERY\*

<b>Year 1</b>	<b>Semester 1/ Semester 2</b>	Medicine 1A and Medicine 1B  Topics include: human homeostasis; identity, microbes and defence; cardiovascular, respiratory, renal and gastrointestinal systems; health, cultural, social and environmental systems; ethical and legal foundations of medical practice.
<b>Year 2</b>	<b>Semester 1/ Semester 2</b>	Medicine 2A and Medicine 2B  Topics include: human life cycle; endocrine reproductive systems; brain and behaviour; musculoskeletal system; health, cultural, social and environmental systems; ethical and legal foundations of medical practice; transition to clinical practice.
<b>Year 3</b>	<b>Semester 1/ Semester 2</b>	Medicine 3A and Medicine 3B  Rotations include: medicine, surgery, medicine/musculoskeletal; mental health; children's health; women's health.
<b>Year 4</b>	<b>Semester 1/ Semester 2</b>	Medicine 4A and Medicine 4B  Rotations include: emergency medicine; general practice; aged care, rehabilitation and palliative care; anaesthetic/intensive care unit/procedures. The year concludes with hospital and ambulatory care selective rotations and an elective rotation.

\* The Bachelor of Medicine Bachelor of Surgery is a graduate-entry program. Applicants must have completed an undergraduate degree to be considered for a place in the program.



Deakin Medical School has signed affiliation agreements with public and private health services in Western Victoria and is working closely with the four Divisions of General Practice in the region. These relationships allow you to undertake a wide range of clinical placements during your studies.



### Useful web sites

#### Future students

[www.deakin.edu.au/future-students](http://www.deakin.edu.au/future-students)

#### Deakin Medical School

[www.deakin.edu.au/hmnbs/medicine](http://www.deakin.edu.au/hmnbs/medicine)

#### The Graduate Australian Medical School Admissions Test (GAMSAT)

[www.gamsat.acer.edu.au](http://www.gamsat.acer.edu.au)

#### Detailed course information

[www.deakin.edu.au/courses](http://www.deakin.edu.au/courses)

#### Subject information

[www.deakin.edu.au/handbook](http://www.deakin.edu.au/handbook)

### Campuses

[www.deakin.edu.au/campuses](http://www.deakin.edu.au/campuses)

[www.deakin.edu.au/tour](http://www.deakin.edu.au/tour)

### Clubs and societies

[www.dusa.org.au/pages/your-clubs-communities](http://www.dusa.org.au/pages/your-clubs-communities)

### Scholarships

[www.deakin.edu.au/future-students/scholarships](http://www.deakin.edu.au/future-students/scholarships)

### Publications

*Undergraduate Course Guide 2011*

This guide contains detailed course information and subject listings.

*Scholarships Guide 2011*

<http://www.

# FREQUENTLY ASKED QUESTIONS

## What is the selection process?

Selection for the Bachelor of Medicine Bachelor of Surgery is based on undergraduate degree academic performance (GPA > 5), an aptitude test (the Graduate Australian Medical School Admissions Test or GAMSAT), and an interview. Relevant study and health professional experience, prior rural or regional residence and socio-economic disadvantage are also taken into consideration.

## What is the Graduate Australian Medical School Admissions Test (GAMSAT)?

The Graduate Australian Medical School Admissions Test (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. More information is available at the GAMSAT web site at [www.gamsat.acer.edu.au](http://www.gamsat.acer.edu.au).

## How do I apply?

All applications for domestic students (Australian residents) are made through:

The Graduate Medical Admissions Centre:  
Australian Council for Educational Research  
19 Prospect Hill Road, Camberwell Vic 3124.

Further information is available at the GAMSAT web site (see above) or at [www.deakin.edu.au/future-students](http://www.deakin.edu.au/future-students). If the information you require is not available at these web sites, phone 03 9244 6333.

## How many places will be available in 2011?

The School of Medicine will offer 130 Commonwealth Supported Places (CSP) in 2011. This includes 33 Bonded Medical Places (BMP). International places are also available.

## What is a Commonwealth Supported Place (CSP)?

A Commonwealth Supported Place (CSP) 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. For eligible students, loans may be obtained via HECS-HELP to pay for all or part of their contribution. Repayments are made through the Australian taxation system once annual income exceeds the minimum threshold for repayment. Alternatively, eligible students can pay their contribution upfront and receive a discount. Medical students are required to pay the upper band of HECS fees, currently approximately \$8800 per year of study.

## What is a Bonded Medical Place (BMP)?

If offered a Bonded Medical Place (BMP), you sign an agreement with the Australian Government to work in a district of workforce shortage (as determined by the Department of Health and Ageing) of your choice for four years after completing specialty training.

## Are scholarships available?

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 program of Deakin Access and Equity Scholarships available for people who may not otherwise have the opportunity to access higher education at [www.deakin.edu.au/scholarships](http://www.deakin.edu.au/scholarships). Deakin Medical School students are also eligible to apply for accommodation support through the Geoff and Helen Handbury Scholarship.

“Participating in a graduate course brings the added benefit of varying backgrounds and experience, says third-year student Cameron Hart. ‘We have nurses and physios, a few lawyers, a journalist and engineers. There is a vast variety of people, which is really good.’ The mix is particularly beneficial in discussions, he says. ‘If you are trying to nut out a problem, having different opinions from people of different backgrounds makes it really interesting.’”

### Cameron Hart

Bachelor of Biomedical Science, Melbourne Campus at Burwood, graduated 2007  
Studying Bachelor of Medicine Bachelor of Surgery,  
Geelong Campus at Waurn Ponds



### 2010 Medicine Information Evenings:

Ballarat – Tuesday 18 May, 6pm Ballarat Education Resource Centre, Seminar Rooms 1 and 2

Geelong Campus at Warrnambool – Thursday 20 May, 6pm Building 1a, Room 1.006 (Peter Thwaites Lecture Theatre)

Melbourne Campus at Burwood – Monday 24 May, 6pm Building 1c, Room 2.005 (Lecture Theatre 13)

For details regarding these events visit [www.deakin.edu.au/hmnbs/medicine](http://www.deakin.edu.au/hmnbs/medicine) closer to the date.

## 2010 DEAKIN UNIVERSITY OPEN DAYS

[www.deakin.edu.au](http://www.deakin.edu.au)

GEELONG  
CAMPUS AT WARRNAMBOOL

**08  
AUG**

GEELONG  
WATERFRONT CAMPUS

**08  
AUG**

WARRNAMBOOL  
CAMPUS

**15  
AUG**

MELBOURNE  
CAMPUS AT BURWOOD

**22  
AUG**

More information | Medicine 1300 DEGREE (1300 334 733) | [hmns-support@deakin.edu.au](mailto:hmns-support@deakin.edu.au) | [www.deakin.edu.au](http://www.deakin.edu.au)

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