POSTGRADUATE COURSEWORK IN THE NATURAL SCIENCES

AGRICULTURE, SCIENCE & VETERINARY SCIENCE

2012
The University of Sydney is a member of the Go8, a coalition of leading Australian universities, intensive in research and comprehensive in general and professional education. The Go8 exists to enhance the contribution of its member universities to the nation’s social, economic, cultural and environmental well-being and prosperity. Currently the Go8 receives over 70% of national competitive research grants, conducts over 60% of Australian university research, has produced all Australian-educated Nobel Prize winners and dominates university links with industry.

For further information, please visit: www.go8.edu.au

The University of Sydney is a proud member and affiliate of the following organisations:

GROUP OF EIGHT (G08)
The University of Sydney is a member of the Go8, a coalition of leading Australian universities, intensive in research and comprehensive in general and professional education. The Go8 exists to enhance the contribution of its member universities to the nation’s social, economic, cultural and environmental well-being and prosperity. Currently the Go8 receives over 70% of national competitive research grants, conducts over 60% of Australian university research, has produced all Australian-educated Nobel Prize winners and dominates university links with industry.

For further information, please visit: www.go8.edu.au

THE ASSOCIATION OF PACIFIC RIM UNIVERSITIES (APRU)
36 universities from 16 countries located on the Pacific Rim constitute APRU with the diversity of nations represented ensuring a beneficial exchange of ideas. All member universities are deemed to be at the educational forefront in their own country, delivering pioneering programs across their range of disciplines.
Research and an international focus are of utmost importance to members who strive to be of service to the local and global communities.
For further information, please visit: www.apru.org

THE NATIONAL HEALTH AND MEDICAL RESEARCH COUNCIL (NHMRC)
The NHMRC is a government organisation, which administers both research funding and development of recommendations relating to this research. It aims to raise the health standards of all Australians and fosters the development of consistent health standards between states.
For further information, please visit: www.nhmrc.gov.au

AUSTRALIAN RESEARCH COUNCIL (ARC)
The ARC was established to facilitate the Government’s vision of improving the lives of all Australians through research. The organisation is responsible for furthering quality, ethical research through the dissemination of substantial research grants while also nurturing partnerships between educational institutions and industry.
For further information please visit: www.arc.gov.au

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<tr>
<td>Lectures begin</td>
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<td>Mid-semester vacation</td>
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<td>Study vacation</td>
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<td>12 - 24 NOVEMBER</td>
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<td>Examination period</td>
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<td>30 JUNE</td>
<td>24 NOVEMBER</td>
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<td>Semester ends</td>
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For further information, please visit: www.go8.edu.au
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In many areas of science, it is now essential that students undertake postgraduate study in order to ensure comprehensive coverage of a discipline. The faculties of science at the University of Sydney consistently deliver the breadth and depth of scientific knowledge necessary to produce world-class scholars and academics. Postgraduate coursework at the University of Sydney is directed at those who will become the scientists and science-based professionals of the 21st century. The sciences play a key role in the sustainable development of our planet and our society. As our energy sources change we must tackle the problems of conservation and development of new and existing sources. The sciences seek to prevent and cure diseases, and are critical for understanding human behaviour, natural resources and ecosystems.

In a similar vein, the agricultural sector is moving with these interesting and challenging times. Global demographics and consumer trends indicate that we will need to double food production in the next twenty years using less land and water available for agriculture than at present. Agriculture, food and natural resources are addressing this challenge through research and training of graduates who will provide leadership in ensuring food security and sustainable natural resource management.

Veterinary science is also mindful of the need to respond to the changing needs of the Australian community and country. Knowledge in the broad area of veterinary science and animal bioscience is expanding at a tremendous rate, and it is important to have access to information on new diseases and animal related topics not only in Australia but internationally as well.

We welcome you to find out more about our postgraduate programs.

Mark Adams, Trevor Hambley and Rosanne Taylor
NATURAL SCIENCES

FACULTY OF AGRICULTURE, FOOD AND NATURAL RESOURCES
The environment, food, water and energy are critical to our futures. At the Faculty of Agriculture, Food and Natural Resources we are driving the next generation of talent to address these challenging areas.

The major research strengths of the Faculty of Agriculture, Food and Natural Resources are in plant improvement, plant biotechnology, plant disease, cereal science, soil science, precision agriculture and agricultural economics. The support for such a comprehensive range of research activities is provided by the Plant Breeding Institute, the Australian Centre for Precision Agriculture, the Sydney University Nitrogen Fixation Centre, and the Centre for Salinity Assessment and Management.

The faculty is fast becoming one of Australasia’s best housed and supported research groups. Our research and teaching community have access to sophisticated infrastructure and field stations. We offer students education, training and experience that will set them up to make a difference in the world.

The faculty has extensive collaborative relationships with Australian and international partners, including the CSIRO, ABARE, and the NSW Departments of Primary Industries and Natural Resources. Strong links with research and industry partners give our students an exceptional learning experience during their postgraduate studies.

For further information, please visit: http://sydney.edu.au/agriculture

FACULTY OF SCIENCE
Diverse specialisations, an enduring commitment to research, and extensive liaison with other institutions and industry have positioned the Faculty of Science as a leading provider of education across the spectrum of the sciences. A significant level of funded research through the Cooperative Research Centres and the Australian Research Council (ARC), amongst other bodies, underpins this commitment.

Major facilities that support the faculty’s research include astronomical field stations, the Australian Centre for Microscopy and Microanalysis, Institute of Photonics and Optical Science, the University of Sydney Institute of Sustainable Solutions, One Tree Island Field Station on the Great Barrier Reef, state-of-the-art spectrometry facilities, specialist workstations and database networks, and computer systems.

In addition to the range of specialisations offered by the faculty’s schools and departments, innovative interdisciplinary programs are offered, and these include studies in the areas of molecular biotechnology, bioinformatics, history and philosophy of science, marine studies, environmental science, medical physics and sustainability science.

For further information, please visit: http://sydney.edu.au/science

FACULTY OF VETERINARY SCIENCE
A national leader in veterinary research, the Faculty of Veterinary Science is the only Australian institution to be accredited by the American Veterinary Medical Association. In order to support comprehensive teaching and research in veterinary science, the faculty provides on site education with four farms across NSW, the University Veterinary Teaching Hospitals at the Camperdown and Camden campuses and the Wildlife Health and Conservation Centre.

The faculty’s research interests span animal production; applied animal reproduction; companion animal health, behaviour and welfare; educational research and practice management; equine research; farm animal health and welfare; genetics and genomics; immunology, photobiology and pharmacology; veterinary microbiology and parasitology; and wildlife biology, health and conservation.

For further information, please visit: http://sydney.edu.au/vetscience
OUR GRADUATES WILL LEAD THE SCIENCE PROFESSIONS, POLICY, RESOURCES AND FINANCIAL DECISION-MAKING IN THE 21ST CENTURY.

The natural sciences give you the opportunity to specialise your study in the area of your choice. Be it sustainability, the environment, medical science, advancing technologies, food, animal science and everything in between. The natural sciences can take you anywhere. You might even save the world.
APPLICATION INSTRUCTIONS

ARTICULATED PROGRAMS
Many of the coursework programs available in the faculties of science are articulated master’s programs. This means that students may enter a program at a range of levels including graduate certificate (not all are available to international students) graduate diploma or master’s level. This also means that students can exit a program on completion of a particular level. Please see individual program information for more details.

HOW TO APPLY
If you are a domestic student you are required to lodge your completed, current application form online (see ‘Applications’ below) or with the faculty office, unless otherwise stated. International students must lodge their completed, current application form online or with the International Office:

International Office
Level 4, Jane Foss Russell Building (G02), The University of Sydney, NSW 2006, AUSTRALIA
T 1800 899 376 (within Australia - future students only)
+61 2 8627 8300 (outside Australia)
F +61 2 8627 8387
E io.info@sydney.edu.au
http://sydney.edu.au/io

APPLICATIONS
Online applications can be submitted through the following websites:

DOMESTIC STUDENTS
http://sydney.edu.au/future_students
or by directly contacting the relevant faculty.

INTERNATIONAL STUDENTS
http://sydney.edu.au/future_students
or by directly contacting the International Office.

APPLICATION PROCESSING FEE (APF) FOR INTERNATIONAL STUDENTS
Please note that international applicants are required to pay a non-refundable A$100 Application Processing Fee (APF). If your application is not accompanied by the APF it will NOT be processed.

The University will accept payment of the APF by bank drafts made payable to the University of Sydney in Australian dollars or by Visa or MasterCard.

The APF is not required if you are:
– a sponsored student, eg. recipients of Australian Development Scholarships (AusAID) and other nominated full tuition fee scholarships
– an exchange student on a student exchange program
– a study abroad student or
– a cotutelle student.

CLOSING DATES FOR APPLICATIONS
Unless otherwise stated on the relevant program page, closing dates are as follows:

Domestic students
For semester one, 2012 enrolment - 31 October 2011
For semester two, 2012 enrolment - 30 June 2012

International students
For semester one, 2012 enrolment - 31 October 2011
For semester two, 2012 enrolment - 30 April 2012

PLEASE NOTE: LATE APPLICATIONS MAY BE ACCEPTED
Quotas apply to most programs and priority is given to applications that are received on time, however some schools will accept applications after the closing dates stated above. Also please note that some programs have closing dates prior to those stated above and/or do not accept late applications. To avoid disappointment you should refer to the program you wish to pursue for the specific closing dates.

RESULT OF APPLICATION
The result of your application will be a formal response sent by the faculty office/International Office. This offer of admission should be checked carefully and any questions about the terms of the offer should be referred to the faculty office/International Office or the appropriate school as necessary.

IF YOU CANNOT ACCEPT AN OFFER
If, for any reason, you are unable to take up an offer of admission, please notify the faculty office/International Office immediately.

UNSUCCESSFUL APPLICATIONS
Unsuccessful applications and applications where an offer has been declined are not kept on record so a new application will be required if you reapply at a later date.

COMMONWEALTH SUPPORTED MERIT PLACES
A number of Commonwealth supported merit places in postgraduate courses in the faculties of science are usually available each year. The award of such places is assessed on the basis of academic merit. Successful applicants complete their course as a Commonwealth supported student rather than as a full-fee paying student. Further details are available from the relevant faculty at the time of enrolment. (PLEASE NOTE: Commonwealth supported places are not available to international students.)
APPLICATION CHECKLIST

- applications WILL NOT be processed until all relevant documentation is supplied
- you must present an ORIGINAL of the supporting documentation to the faculty office (for domestic students) or International Office (for international students) when you submit your application. Firm offers WILL NOT be issued until all original documents are supplied
- if you cannot supply original copies to the faculty office/International Office, you should have all copies certified by a Justice of the Peace (JP registration number required) AND you must present the originals prior to enrolling

You must supply:

- Details of tertiary qualification including ALL of the following:
  - a complete academic transcript in original language of issue
  - a certified translation of your academic transcript (if not originally in English)
  - a guide to the awarding institution’s grading system
  - a testamur or proof of completion stating degree awarded
  - a certified translation of your testamur or proof of completion stating degree awarded (if not originally in English)

- English qualifications
  - you must supply proof that you have satisfied the University of Sydney English requirements of the program you wish to study if your qualifications were obtained from a university in a country where English is not the official language. Please refer to the English Language Requirements on page 56 and the page of the program you wish to pursue, for the level of English proficiency required
  - you should attach an official statement from your overseas university if your studies at university were conducted in English
  - you should retake the English proficiency test if you last took the test more than two years ago
  - English language requirements are subject to change annually and could be different for individual courses. You should contact the relevant faculty to obtain this information

- Details of any change of name
  official evidence will be required

- Domestic students must also provide:
  - Evidence of your residency status such as your passport, birth certificate, or certificate of citizenship

Important note
If you still have to complete one semester of your current course of study, you should include transcripts up until your final semester, and official documentation from your institution stating that you will finish at the end of the semester, and the name of the qualification you will be awarded. If you have completed your course of study but have not yet been awarded your testamur, you should include official documentation from your institution stating the name of the degree you have completed and the date of completion.
The agricultural workforce of the future faces interesting and exciting challenges. Influences on the sector include the need to increase food production with less land and water; rising energy costs; globalisation of markets and increased trade; consumers taking greater interest in how their food is produced; and farmers being closely attuned to market signals and environmental constraints. There is a need for scientists with a good appreciation of the relevant socioeconomic issues, and for economists who have an understanding of technology, to work as expert consultants, managers, researchers, policy makers and regulators in agricultural production, natural resource management, processing, food systems, marketing and agribusiness management.

OVERVIEW
The Faculty of Agriculture, Food and Natural Resources offers unique, innovative programs that are designed to suit the needs of modern agricultural science and economics. With a foundation spanning both disciplines, you will have the opportunity to extend your scientific knowledge, as well as gain valuable expertise in key concepts underpinning business and commerce. You may choose from a range of flexible postgraduate coursework options from subject areas including agribusiness, agricultural economics, natural resource management, resource economics, agricultural technologies and sustainable agriculture.

ALTERNATIVE COURSES
The Faculty of Agriculture, Food and Natural Resources at the University of Sydney offers postgraduate coursework toward a Graduate Certificate in Agriculture and a Graduate Diploma in Agriculture in the same subject areas as the master’s course.

SYDNEY ADVANTAGE
The Faculty of Agriculture, Food and Natural Resources has been the leader in modern agricultural programs for 100 years. The faculty is renowned for its activities at the interface between applied science and economics, providing you with an outstanding education and making you highly competitive in today’s employment market. Our strong research culture is aligned to areas of strategic national and international importance, and offers extensive engagement with industry.

MODE OF DELIVERY
Most of the units of study are taught on campus through a face-to-face teaching mode. However, as you are choosing from a wide range of units of study, it is possible that some units may be offered at an alternative location.

ADMISSION REQUIREMENTS
Admission requirements for the Graduate Certificate, Graduate Diploma and Master of Agriculture are normally a three year bachelor’s or an equivalent qualification in a relevant subject area. In some instances the admission requirements may be met by evidence of general or professional qualifications and appropriate work experience to indicate that you have the academic preparation and capacity to complete the nominated program.

UNITS OF STUDY
An up to date list of units of study are listed in the Faculty of Agriculture, Food and Natural Resources Handbook 2012 at http://sydney.edu.au/handbooks. All units are six credit points in value unless indicated otherwise.

AFTER GRADUATION
Our programs provide you with the knowledge and tools to recognise and face challenges within the agricultural industry. The breadth of the programs allows for a diverse range of destinations for graduates, and contributes to an increased level of career satisfaction.

The faculty’s strong national and international reputation and network of partners creates a wealth of opportunities, as evidenced by the fact that our graduates can be found in leading research organisations and top financial institutions around the world. Our students enjoy high employment rates and above-average starting salaries. You’ll be able to choose from opportunities in a wide range of exciting fields such as environmental consultancy, biotechnology, climate change research, resource economics, policy analysis, agricultural economics, agribusiness, food security, international development, sustainable agriculture, horticulture, natural resource management, water research and business market analysis in the public and private sectors.

CREDIT FOR PREVIOUS STUDY
With the approval of the dean, you may be granted admission with advanced standing if you have completed relevant prior learning at an equivalent level elsewhere. You may transfer between programs and receive credit for any completed units, provided the award from which you are transferring has not been conferred.
## AGRICULTURE, FOOD & NATURAL RESOURCES COURSES

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<tr>
<td>Master of Agriculture</td>
<td>BC030 CRICOS 000661G</td>
<td>ENTRY REQ: Bachelor’s degree or an equivalent qualification. PROGRAM REQ: Satisfactory completion of 8 units of study made up of a major research project and a selection of units chosen from subjects meeting prior learning requirements and timetabling.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $570 per cp INT $16,080 per sem DUR 2 sems ENTRY March or July*</td>
</tr>
<tr>
<td>Graduate Diploma in Agriculture</td>
<td>BF018 CRICOS 058082C</td>
<td>ENTRY REQ: As above. PROGRAM REQ: Satisfactory completion of 6 units of study made up of a research project and a selection of core and elective units chosen from subjects meeting prior learning requirements and timetabling</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $570 per cp INT $16,080 per sem DUR 2 sems ENTRY March or July*</td>
</tr>
<tr>
<td>Graduate Certificate in Agriculture</td>
<td>BG000 CRICOS 058083B</td>
<td>ENTRY REQ: As above. PROGRAM REQ: Satisfactory completion of 4 units of study made up of a selection of core and elective units chosen from subjects meeting prior learning requirements and timetabling. Not available to international students</td>
<td>DOM $570 per cp DUR 1 sems ENTRY March or July</td>
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ACADEMIC QUERIES Ms Pamela Stern, Coordinator, Postgraduate Services, The Faculty of Agriculture, Food and Natural Resources, P +61 2 8627 1002 E pamela.stern@sydney.edu.au http://sydney.edu.au/agsc

* Conditions apply for July entry for international students. Contact the faculty for details.
The discipline of bioethics is concerned with ethical questions arising in contexts of biological and health sciences. Social concern about such issues has grown with advances in biomedical technologies, as illustrated by contemporary debates over reproductive technologies, genetic engineering, cloning and stem cell research. Traditional topics in bioethics include abortion, euthanasia, relationships between health care providers and patients, research involving humans and animals, and justice in the distribution of health resources. Emerging topics include ethical issues related to risk and health, nanotechnology and global public health.

OVERVIEW
Bioethics is an inherently interdisciplinary field located at the intersections of ethics, policy and the biomedical sciences. The University has a range of articulated postgraduate coursework programs in the field of bioethics that are unique in their explicit engagement of this interdisciplinarity.

Design, teaching and coordination of these programs is jointly provided by the Unit for History and Philosophy of Science (HPS) in the Faculty of Science and the Centre for Values, Ethics and the Law in Medicine (VELIM) in the Faculty of Medicine.

WHO SHOULD STUDY THESE PROGRAMS?
Our programs respond to the widely recognised growing need for ethics education for scientists, researchers and professionals working in medicine, nursing, allied health, pharmacy, dentistry, public health, health law, health and public policy, science communication and related fields.

Through these programs you can explore the relationships between science and society or disciplines related to bioethics such as applied philosophy, politics, law, sociology and anthropology.

All bioethics units of study are stand alone and may be taken one at a time by any students. Certain units offered through this program (such as Core Concepts in Bioethics; Human and Animal Research Ethics; Ethics and Public Health; and Clinical Ethics) are expected to be popular if you are pursuing programs in other fields such as medical humanities, law, biological sciences, health sciences, public health, and disciplines involving human or animal experimentation. Bioethics units of study (especially Clinical Ethics) are also relevant to clinicians and other professionals working in health-related fields.

MODE OF DELIVERY
The Master of Bioethics can be completed in one year if you study full-time or over two years if you study part-time. To accommodate working professionals, class sessions will generally be held in the evening or in intensive formats.

UNITS OF STUDY
Please note that not all units of study are offered in both semesters. For up to date information on units of study offered in the bioethics program please visit: http://sydney.edu.au/bioethics

CREDIT FOR PREVIOUS STUDY
It is possible to count units of study (taken previously within the bioethics program as free-standing units) towards the available award courses upon application to the program. You may also obtain credit for bioethics units of study offered through the University’s professional Master of Medicine program as long as these same units are not counted towards another degree being conferred to you. Information about credit for units of study taken at other universities is available on request.

ANNUAL INTAKE
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JACQUELINE SAVARD
MASTER OF BIOETHICS GRADUATE

“The unique nature of the Master of Bioethics program – where different voices and disciplines are given a chance to contribute – teaches students how to think critically about the world around them and to seek new answers to some of the most complex problems in contemporary healthcare. The interaction of different fields under the umbrella of bioethics was a great opportunity for me to explore areas where my experience was limited. I am fortunate to have this diverse foundation, because it helps me draw on multiple perspectives in my current research as a PhD candidate.”
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<tr>
<td>Master of Bioethics</td>
<td>Curso LC047</td>
<td>ENTRY REQ: A bachelor’s degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, law or other relevant field. PROGRAM REQ: 1 core unit, 4 foundation units and 3 electives.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $410 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Bioethics</td>
<td>Curso LF037</td>
<td>ENTRY REQ: As above. PROGRAM REQ: 1 core unit, 3 foundation units and 2 electives.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $410 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Bioethics</td>
<td>Curso LG019</td>
<td>ENTRY REQ: As above. PROGRAM REQ: 1 core unit, 2 foundation units and 1 additional foundation unit or elective.</td>
<td>Not available to international students</td>
<td>DOM $410 per cp DUR 1 sem ENTRY March or July</td>
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ACADEMIC QUERIES Catherine Mills, Bioethics Program Coordinator, Centre for Values, Ethics and the Law in Medicine, Medical Foundation Building K25 P +61 2 9036 3065 F +61 2 9036 3436 E catherine.mills@sydney.edu.au http://sydney.edu.au/bioethics
 MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

Environmental science is an applied science concerned with the environment around us, regardless of whether it is natural or human-made, and how we can utilise or manage it for our benefit. It draws on a wide range of science-based disciplines and applications, from ecology to solar power, analytical chemistry to geomorphology. Environmental science is also concerned with the social issues involved, including environmental law and policy, sustainability, resource economics, urban planning and environmental ethics.

OVERVIEW
Environmental scientists and managers need to have a broad interdisciplinary knowledge base as well as the ability to be flexible and innovative in their application of such knowledge. Consequently, the emphasis of this environmental science program is placed upon studies that span and integrate several disciplines, involve adaptive problem solving and develop new skills and expertise. Our environmental science program has been designed to accommodate both the ‘experienced’ environmental scientist (seeking a qualification to go with your experience) and the ‘inexperienced’ student (if you do not have a background in science, but have a committed interest in the environment). It is also for you if you want to change to a more rewarding career. A range of specialist streams are available if you wish to target specific areas of study.

RESEARCH PATHWAY
Based on academic performance, if you complete a research project in the Master of Science in Environmental Science you will be eligible to apply for enrolment in a research program such as an MSc or PhD.

SYDNEY ADVANTAGE
This program is unique in providing an interdisciplinary understanding of environmental science as well as specialist streams allowing you to customise your area of study. As a Sydney student, you will have access to world-class researchers and teachers enabling you to develop a wide professional network which is essential in today’s competitive employment market.

PROGRAM EXPECTATIONS
The aim of these programs is to provide you with an understanding of environmental issues, how various sciences and the environment are related, and how acquired knowledge can be used to solve environmental problems. This knowledge will include competency in research and general practical skills.

MODE OF DELIVERY
The majority of units are held on the University’s Camperdown campus. Science-based units such as ecology and analytical chemistry are generally run during business hours, while some of the social units like environmental law are run after working hours. Although teaching times vary, most units are taught as a three hour block once per week for at least six weeks. Some units are taught more intensively, all day, and some even over a period of just one week. All assessment is primarily by essay, assignment and presentation, with a small examination component. Please check the website for further details.

ADMISSION REQUIREMENTS
Although you do not specifically need to hold a bachelor’s degree in environmental science to apply, you must have some form of tertiary qualification where there is an emphasis on subjects related to environmental science. For instance, you may hold an arts degree majoring in geography, an engineering degree, or a degree in resource economics. Alternatively, you could have substantial experience in the workplace and some type of tertiary qualification. Each application will be assessed on its individual merits.

UNITS OF STUDY
For an up to date list of the units of study offered, please visit: http://sydney.edu.au/envsci/study/coursework.shtml
Some of the major themes addressed by these units include:

- environmental sciences (alternative energy, ecology, environmental chemistry, among others)
- environmental policy and law
- environmental management, including project evaluation and assessment, decision making and conflict management, sustainable development and management of parks
- environmental modelling and Geographic Information System (GIS).

It is possible for you to specialise in certain areas, in particular social science and GIS, by studying specific units in addition to the core units. For more details please contact the administrative coordinator.

AFTER GRADUATION
Depending on your background and the areas in which you choose to study, your environmental science qualification can allow you to be employed in a variety of jobs, ranging from analytical scientist and environmental indicator monitor to policy-maker and environmental or catchment manager. For example, you might be employed to undertake a survey of endangered species in a wilderness area slated for development or clearing, or to develop policy and management procedures for
the allocation of scarce water resources in arid regions. Within Australia, our graduates have acquired jobs with federal, state and local government bodies including State Forests NSW, the Roads and Transport Authority, and the National Parks and Wildlife Service, as well as with private consultancies.

**CREDIT FOR PREVIOUS STUDY**
Credit is not available in this program unless it is for units of study undertaken within embedded programs at the University within the past two years, except at the discretion of the dean.

**ANNUAL INTAKE**
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<tr>
<td>Master of Science in Environmental Science</td>
<td>COURSE LC056 CRICOS 074174K</td>
<td>ACADEMIC REQ: Relevant bachelor’s degree, or any bachelor’s degree plus substantial relevant work experience. PROGRAM REQ: 8 units of study, including optional research project.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Environmental Science</td>
<td>COURSE LF044 CRICOS 074173M</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: Choice of 6 units.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Environmental Science</td>
<td>COURSE LG028 CRICOS 074172A</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: Choice of 4 units.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 1 sem ENTRY March</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Dr Jeffrey Neilson, Course Coordinator, Madsen Building F09 P +61 2 9351 4733 F +61 2 9351 3644 E jeffrey.neilson@sydney.edu.au  http://sydney.edu.au/envsci
Environmental science and law is the merger between the applied science that is environmental science and the social aspect of law and policy that governs our interactions with the environment.

OVERVIEW
The Master of Environmental Science and Law program allows you to undertake complementary units in the fields of environmental science and environmental law. It provides science graduates with the opportunity to extend your scientific knowledge into the area of the environment, as well as providing an introduction to the field of environmental law and policy. For law graduates, the opportunity is to extend your knowledge into environmental aspects of law, as well as to gain an understanding of some of the concepts underpinning environmental science. The program integrates disciplines which are normally considered separately and which are difficult to study concurrently outside of this program.

It also provides the opportunity for scientists to gain a qualification to complement your environmental experience and to acquire knowledge in areas of policy and management. It introduces lawyers to a more comprehensive knowledge of the laws and policies relating to the environment and a generalised understanding of the science that underpins them.

Our program is also designed for the ‘inexperienced’ student: you may not have a background in science or law, but have a committed interest in the environment. Or you may simply want a career change with this course, providing you with the opportunity to pursue your interests.

SYDNEY ADVANTAGE
The Master of Environmental Science and Law program at the University of Sydney is unique. While there are environmental law and environmental science programs available through other universities around Australia, only the University of Sydney offers the blend of law and environmental science that characterises this program. We have access to the outstanding resources of the Australian Centre for Environmental Law, which is well known around the world in this field, as well as to all of the scientific resources available to the environmental science program.

PROGRAM EXPECTATIONS
Upon graduating from this program, you will possess a practical and theoretical background in aspects of environmental science and environmental law. This knowledge will include competency in research and general practical skills in these areas.

MODE OF DELIVERY
The majority of units are held on the University’s Camperdown campus. Science-based units such as ecology and analytical chemistry are generally run during business hours, while some of the social units like environmental law are run after working hours. Although teaching times vary, most units are taught as a three hour block once per week for at least six weeks. Some units are taught more intensively, all day, and some even over a period of just one week. All assessment is primarily by essay, assignment and presentation, with a small examination component. Please check the website for further details.

ADMISSION REQUIREMENTS
You must have a bachelor’s degree in either science or law, or be a graduate with subsequent experience which demonstrates the knowledge and aptitude required to undertake the program. Each application will be assessed on its individual merits.

UNITS OF STUDY
For an up to date list of units of study offered in this program, please visit: http://sydney.edu.au/envsci/study/coursework.shtml

The unit of study titled Environmental Law and Policy is compulsory for all students, while Legal Reasoning and the Common Law System is compulsory for students without a law degree.

AFTER GRADUATION
Employment opportunities depend largely on your background and the areas in which you have chosen to study, but for the most part you will be best qualified for employment in the area of environmental management and/or policy development, or in private consultancies. If you have a science background and achieve this qualification you will not be qualified to be a practising lawyer, but will have the knowledge and capabilities for jobs where the development of policy and management schedules are required. Likewise, if you have a background in law, you will not get work as a technical scientist but can work in jobs where the use and analysis of scientific data is required.

CREDIT FOR PREVIOUS STUDY
If you, before admission to candidature, have spent time in graduate study and completed coursework considered by the faculty to be equivalent to units of study prescribed for this program, within the previous three years and for which no award has been conferred, you may receive credit of up to 12 credit points.

ANNUAL INTAKE
12
Master of Environmental Science and Law

**COURSE CODES**
- COURSE LCD40
- CRICOS 043568B

**ACADEMIC REQ:** A bachelor’s degree in either science or law; or bachelor’s degree with relevant work experience.

**PROGRAM REQ:** 8 units of study – 4 each from Faculty of Science and Faculty of Law.

**ENGLISH EXAMS**
- IELTS 7.0 (6.0)
- IBT 100 (23/22)

**FEES/DURATION & ENTRY**
- LOC $480 per cp
- INT $16,680 per sem
- DUR 2 sems
- ENTRY March or July

**ACADEMIC QUERIES**
Dr Jeffrey Neilson, Course Coordinator, Madsen Building F09
P +61 2 9351 4733  F +61 2 9351 5644  E jeffrey.neilson@sydney.edu.au  http://sydney.edu.au/envsci
HISTORY & PHILOSOPHY OF SCIENCE

History and Philosophy of Science (HPS) is located at the crossroads of science and arts, investigating the development and place of science in modern society. It examines theoretical and experimental developments in science, technology and medicine from a range of perspectives using socio-historical and philosophical techniques to explore these in their social, cultural and political contexts. HPS is an ideal way to critically engage with a broad range of scientific ideas and practices, and their social and cultural significance.

OVERVIEW

HPS offers a balanced program of history, philosophy and social studies of science and medicine, including a wide range of senior units in the history, philosophy and sociology of the physical, biological and medical sciences. HPS offers two coursework based programs: a graduate certificate and a graduate diploma. These programs provide an introduction to the historical, philosophical and sociological analysis of science.

You may choose to focus on the philosophy of biomedical sciences, bioethics, or the history of medicine, or you may choose to work in the history and philosophy of the physical sciences, mathematics, or early modern science. Postgraduate HPS programs are designed for you if you wish to reflect on the place of science in modern society as well as the ethical implications of science. Our programs provide an excellent opportunity for science teachers, for example, to broaden their perspective on science.

SYDNEY ADVANTAGE

The University library contains over five million volumes, including a great number of rare books in the history of science and medicine. HPS offers a lively intellectual atmosphere provided by an enthusiastic group of young scholars working in innovative areas of the history and philosophy of science. Not surprisingly, it provides a stimulating atmosphere for academic inquiry and research.

Publishing widely in their fields of expertise and having attained international recognition for their research, our staff bring the latest scholarship to their teaching and maintain high standards for postgraduate students. Visiting researchers of international standing contribute to the vibrant intellectual ambience of HPS.

Many postgraduate HPS students at the University have continued their postgraduate education at other leading institutes in Australia and in the most prestigious universities around the world, among them the University of Cambridge and Princeton University. These students found that participating in our program provided them with a thorough preparation for their later postgraduate careers.

PROGRAM EXPECTATIONS

Upon completion you will understand the nature of the discipline of history and philosophy of science and will have acquired a combination of basic research skills which will assist in:

– analysing episodes in the history of science
– the sociological study of science and the dynamic relations between science and society
– philosophical analysis of scientific theory and practice

You will also have the ability to identify and examine the conceptual and social dimensions of science, technology and medicine using a variety of scholarly techniques. Achieving these interdisciplinary skills at the postgraduate level enhances a range of undergraduate backgrounds, preparing you for intensive research or qualifying you for positions in government or industry.

MODE OF DELIVERY

HPS caters almost exclusively for part-time study and accommodates your full-time work by scheduling all units of study after 4pm. Each semester HPS hosts a research seminar series featuring leading scholars from Australia and around the world. You will also be given the opportunity to present your work at these events.

UNITS OF STUDY

For up to date information on units of study offered in these courses please visit: http://sydney.edu.au/science/hps/postgraduate/coursework_degrees.shtml

AFTER GRADUATION

Studying HPS can lead to many different career paths. Science and medical policy, science journalism, science communication and the management of science and medicine are just some of the areas in which HPS graduates work. Many of our former students have successfully pursued further study in a range of internationally recognised academic programs. In addition, postgraduate programs can provide career enhancement for you if your previous technical training does not meet your current job needs.
**JENNIFER COOKE,**  
GRADUATE DIPLOMA IN SCIENCE (HISTORY & PHILOSOPHY OF SCIENCE)

Award-winning journalist and author Jennifer Cooke began her academic life late. Juggling two small children and a four-day working week, she completed a Graduate Diploma in Science.

“These days you need a tertiary qualification if you want to broaden your career options,” says the 45-year-old whose interest in psychiatry led to her thesis on post-traumatic stress disorder and the law of nervous shock.

A former court reporter, medical journalist and Sydney Morning Herald’s Sunday Chief of Staff, Jennifer won the 1999 Eureka Science Book Prize for ‘Cannibals, Cows and the CJD Catastrophe’, her popular science history on the public health implications surrounding “mad cow” disease.

In a twist of fate she was seated near the former University of Sydney Pro-Vice-Chancellor Professor Beryl Hesketh at the award dinner.

“Professor Beryl Hesketh guided me to the science faculty and Professor Judith Kinnear agreed to help me use my book as a way into my first tertiary study” Jennifer explains.

Completing the graduate diploma was rewarding but hard work. “A supportive family is essential for part-time students,” she stresses, “because my program entailed lectures and research time almost entirely outside normal childcare hours.”

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**TABLE 1: SCIENCE COURSES**

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Diploma in Science</td>
<td>LF008 CRICOS 012846K</td>
<td>ACADEMIC REQ: A bachelor’s degree or equivalent. PROGRAM REQ: Satisfactory completion of 48 cp, which includes a 15,000 word research thesis.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $295 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
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<tr>
<td>Graduate Certificate in Science (History and Philosophy of Science)</td>
<td>LG012</td>
<td>ACADEMIC REQ: A bachelor’s degree or equivalent. PROGRAM REQ: Satisfactory completion of 24 cp.</td>
<td>Not available to international students</td>
<td>DOM $410 per cp DUR 2 sems (part time only) ENTRY March</td>
</tr>
</tbody>
</table>

**ACADEMIC QUERIES**  
Dr Dominic Murphy, Unit for History and Philosophy of Science, Level 4, Carslaw Building F07  
P +61 2 9351 3762  
F +61 2 9351 4124  
E dominic.murphy@sydney.edu.au  
MASTER OF MARINE SCIENCE & MANAGEMENT

OVERVIEW
The new postgraduate program of marine science and management offers a unique opportunity to gain in-depth knowledge in a multidisciplinary curriculum. This program has been developed in collaboration with the Sydney Institute of Marine Science and its partner universities. It has been designed to give you in-depth knowledge in a range of marine science and management disciplines including units in the science and management of coasts, marine ecology and conservation, coral reefs, climate change, oceanography (physical, geological and biological) and engineering (coastal and marine).

This program is suitable for you if you are a local or international student who seeks a marine science qualification for entry into the field, or if you wish to gain new and specialised skills in a range of theoretical and practical applications to extend your area of expertise.

SYDNEY ADVANTAGE
The coastal expertise at the University of Sydney is one of the best in Australia. In the latest QS World University Rankings, Earth and Marine Science at Sydney were ranked as 17th in the world (www.topuniversities.com). We have international leaders in areas that go from coastal science and management to coastal ecology and biology. We have a tropical research station in the Great Barrier Reef and several units of study that take place there.

Sydney is an outstanding location to undertake Marine Science and Management studies, due to our extensive coastline, Harbour and unique marine ecology. The Sydney Institute of Marine Science is located in recently refurbished heritage buildings by Sydney Harbour, with state-of-the-art laboratories and facilities. Some of the units of study will be taught there, including Topics in Australian Marine Science which provides a capstone experience by introducing you to the Integrated Marine Observing System (www.imos.org.au), a national infrastructure facility that monitors the coastal and marine environment in Australia. You will work with data from the Integrated Marine Observing System to solve real-world problems and learn how to tackle multifaceted problems concerning our coasts and the ocean.

PROGRAM EXPECTATIONS
The aim of the program is to equip you with the skills, knowledge and confidence to work in the multidisciplinary field of marine science. You will gain both a theoretical understanding and applied skills to connect marine processes and the challenges that are associated with managing such a dynamic environment. Topics include coastal management, modelling, geographic information systems, ecological statistics, remotely sensed data analysis and environmental law amongst others. This will allow you to progress in your career, to refresh your skills or to undertake a career change.

MODE OF DELIVERY
The program requires one year of full-time study. If you are a local student you have the option of part-time enrolment. If you are an international student you must enrol full-time due to visa conditions. Units are offered in weekly sessions or in intensive mode. This program also gives you the opportunity to study at other participating leading universities throughout the year and you are expected to take at least two elective subjects within the degree at one of these institutions.

AFTER GRADUATION
If you were already working in a related area, the Marine Science and Management degree will enable you to progress in your career by upgrading your skills. If you had been working in a different area, the degree will allow you to undertake a career change by moving towards a position more oriented to marine science and management. After graduating, you can take up career opportunities in the government agencies that manage coastal and marine resources and environments and also in consulting companies that seek coastal and marine specialists. With climate change predictions that impact on ocean levels and marine ecology, there will be a need for more coastal and marine experts to deal with the associated impacts and effects.
<table>
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<th>COURSE NAME</th>
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<th>FEES/DURATION &amp; ENTRY</th>
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<tr>
<td>Master of Marine Science and Management</td>
<td>COURSE LC065 CRICOS 074730J</td>
<td>ENTRY REQ: Bachelor’s degree in science or engineering with a credit average, or equivalent qualification. PROGRAM REQ: 4 core units of study; 2 elective units from the University of Sydney; and 2 elective units taken from the other partner universities under the equivalent master program (University of NSW, University of Technology Sydney, Macquarie University) via cross institutional study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Marine Science and Management</td>
<td>COURSE LF051 CRICOS 074731G</td>
<td>ENTRY REQ: Bachelor’s degree in science or equivalent. PROGRAM REQ: 4 core units of study; 2 elective units.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Marine Science and Management</td>
<td>COURSE LG035</td>
<td>ENTRY REQ: As above. PROGRAM REQ: 2 core units of study plus 2 elective units of study.</td>
<td>Not available to international students</td>
<td>DOM $450 per cp DUR 2 sems (part-time only) ENTRY March or July</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Dr Ana Vila-Concejo, Course Coordinator, School of Geosciences, Madsen Building F09
P +61 2 9351 5190 F +61 2 9036 3644 E geomarinepg@sydney.edu.au  http://sydney.edu.au/usims
The Master of Medical Physics is the entry level qualification that medical physicists have as clinical physical scientists. It provides you with the tools to apply your knowledge and training to many different areas of medicine including the treatment of cancer, diagnostic imaging, physiological monitoring and medical electronics.

OVERVIEW
Our postgraduate medical physics program is designed to meet the growing global demand for graduate physical scientists with the specialised knowledge, skills and expertise to work within a clinical setting in the highly scientific and technical environment of medical physics. The University of Sydney Medical Physics Program offers you a wide variety of coursework units of study in radiation physics, nuclear physics, radiation dosimetry, anatomy and biology, nuclear medicine, radiotherapy physics, medical imaging physics, image processing, radiation biology, health physics and research methodology.

SYDNEY ADVANTAGE
These programs are offered through the School of Physics, which has access to worldclass teaching and research facilities and provides highly experienced teaching and research staff in this discipline area through the Institute of Medical Physics and affiliated teaching hospitals and research institutes.

PROGRAM EXPECTATIONS
You will learn the latest knowledge and techniques enabling you to find employment in the areas of medical physics applied to the treatment of cancer, medical imaging, physiological monitoring and medical electronics.

MODE OF DELIVERY
The program consists of eight coursework units of study (which by themselves constitute the Graduate Diploma in Medical Physics) plus a research project, which would usually be undertaken in a hospital. Self-directed, interactive learning and flexible delivery are integrated aspects of the programs on offer. Classes and some practical sessions are taught during the day with some laboratory work undertaken in the evenings at our teaching hospitals.

UNITS OF STUDY
For an up to date list of units of study available, please visit: http://sydney.edu.au/science/medical_physics

AFTER GRADUATION
The Master of Medical Physics degree provides the entry level qualification for medical physicists working in a hospital medical physics department. This degree program is accredited by the Australasian College of Physical Scientists and Engineers in Medicine. When you graduate you will be eligible to apply for trainee medical physicist positions in hospitals in Australia and New Zealand. Medical physicists employed in hospitals often undertake higher degree studies through a PhD research program.

OF FURTHER INTEREST
The Australasian College of Physical Scientists and Engineers in Medicine website: www.acpsem.org.au

ANNUAL INTAKE
Approximately 12 students.

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
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<th>FEES/DURATION &amp; ENTRY</th>
</tr>
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<tbody>
<tr>
<td>Master of Medical Physics</td>
<td>COURSE LC046 CRICOS 050097E</td>
<td>ACADEMIC REQ: Bachelor’s degree in physics, physical sciences, engineering or equivalent with minimum GPA 65%. PROGRAM REQ: Core units of study plus a research project undertaken in a hospital.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $455 per cp INT $16,680 per sem DUR 3 sems ENTRY March</td>
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<tr>
<td>Graduate Diploma in Medical Physics</td>
<td>COURSE LF034 CRICOS 050098D</td>
<td>ACADEMIC REQ: Bachelor’s degree in physics, physical sciences, engineering or equivalent. PROGRAM REQ: Core units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $455 per cp INT $16,680 per sem DUR 2 sems ENTRY March</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES
Associate Professor Zdenka Kuncic, Course Coordinator, School of Physics, Physics Building A28
Biomolecular imaging and analysis comprise highly developed techniques that are applicable across a spectrum of biomedical disciplines from pathology to bioengineering. Similarly, nanomaterials characterisation using atomic scale imaging lies at the forefront of technological development and research in subdisciplines of the material, physical and engineering sciences.

OVERVIEW
Modern microscopy encompasses light-based, laser-based and electron-based imaging techniques performed with high-end, sophisticated instruments. Complementary to the imaging is the analysis conducted using software capable of generating multidimensional and multichannelled (coloured) reconstructions of microand nano-scaled structures. The importance of the imaging field is reflected in studies involving intravital visualisation of tumours, which have advanced our understanding of how cancer cells interact with normal host cells to drive cancer progression. In addition, advanced nanomaterials characterisation has explained the mechanical behaviour and other properties of many important engineering materials.

This program is highly suitable for you if you are a recent graduate as well as if you are a professional who would like to acquire new skills or obtain a professional qualification in an area related to your current employment.

SYDNEY ADVANTAGE
The University of Sydney is the only institution in Australia, and one of the few in the world, that offers a formal qualification in microscopy and microanalysis. The Australian Centre for Microscopy and Microanalysis (ACMM) is the premier teaching and research microscopy facility in the country and has the most comprehensive array of imaging and analysis equipment and expertise available for you. The ACMM is also headquarters of the Australian Microscopy and Microanalysis Research Facility (AMMRF), undertaking cutting-edge instrumentation and nanostructural analysis.

PROGRAM EXPECTATIONS
This program will develop and enhance your skills in specimen preparation, operation of microscopes and analytical equipment, interpretation of images and spectra. You will gain the background knowledge to choose the best method to solve any given characterisation problem and will gain practical experience in the operation of a variety of microscopy methods and also in sample preparation.
After completion of this program you will:
- be able to operate light and electron microscopes competently and independently
- have developed expertise in some advanced microscopy techniques, chosen to reflect your interests and needs
- be able to prepare specimens suitable for microscopy or microanalysis
- be able to choose the most appropriate microscopy technique to address any given problem
- be able to understand and interpret information obtained using microscopy and microanalysis methods
- understand the fundamental principles underlying all of microscopy and microanalysis.

MODE OF DELIVERY
All teaching is performed in the ACMM at the Camperdown campus. Classes are a mixture of lectures and practicals. Classes are in the daytime and most units of study are run as intensive block teaching over two weeks. Assessment exercises are completed during and/or after the formal teaching sessions. There are no formal examinations, but you will be assessed according to attendance, participation, competence in the use of equipment, submission of short problem solving exercises and written reports.

PROGRAM REQUIREMENTS
Master’s students are given the opportunity to extend their practical experience by undertaking an independent project and report. A research path is available if you are an outstanding student who plans to undertake postgraduate research study after completion of this program.

UNITS OF STUDY
For an up to date list of units of study available please visit:
http://sydney.edu.au/acmm/courses_training/postgraduate_courses

AFTER GRADUATION
Microscopists play a pivotal role in measuring and interpreting the structure-property relationships in materials and enjoy excellent employment prospects. Our students find employment in areas as diverse as forensic laboratories, anatomy and histology, pathology, hospitals, museums, environmental agencies and monitors as well as government and university research laboratories.
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<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
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<tr>
<td>Master of Science in Microscopy and Microanalysis</td>
<td>LC058 CRICOS 074181M</td>
<td>ACADEMIC REQ: Bachelor’s degree or Graduate Diploma in Microscopy and Microanalysis at credit level or better. PROGRAM REQ: 2 core units plus electives. Can also extend practical experience by undertaking independent project and report.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Microscopy and Microanalysis</td>
<td>LF046 CRICOS 074180A</td>
<td>ACADEMIC REQ: Bachelor’s degree in a relevant area and/or appropriate experience. PROGRAM REQ: 2 core units plus electives.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
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<tr>
<td>Graduate Certificate in Microscopy and Microanalysis</td>
<td>LG030 CRICOS 074177G</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 1 sem ENTRY March or July</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Australian Centre for Microscopy and Microanalysis, Madsen Building F09 P +61 2 9351 2351 F +61 2 9351 7682 E acmm.graduateprogram@sydney.edu.au http://sydney.edu.au/acmm

“I have always been interested in biological science and studying the mechanism of cancer cells is just one part of it.”

SANDRA FOK AUSTRALIAN CENTRE FOR MICROSCOPY AND MICROANALYSIS GRADUATE
Molecular biotechnology describes the molecular basis of technological approaches, applications and processes in biology and medicine. The discipline encompasses fundamental science as well as a number of specialist areas such as genomics and proteomics, drug discovery and development, information biosciences, resource management and regulations. Molecular biotechnology is having a significant and major impact in the health, food, veterinary and agricultural sciences in Australia and abroad and is one of the major growth areas in science.

OVERVIEW
The molecular biotechnology postgraduate offerings are intended for you if you are a recent science graduate or an industry employee in a related field who wishes to update your skills and knowledge to advance your career prospects. It presents the latest developments in molecular biotechnology. The program emphasises the molecular basis of the field of biotechnology in the biological, biomedical and chemical sciences and presents its application in food, agriculture and environmental biotechnology.

SYDNEY ADVANTAGE
The University of Sydney received major government and industry funding from the federal government in 2000 to establish new degrees and diplomas in molecular biotechnology with new dedicated units of study. The program has created an internationally recognised modern training program. The molecular biotechnology program at the University is the first teaching program of its type in Australia and has strong national and international links with universities and industry partners. Units are taught by academic staff members who are experts in the field with input from industry affiliates in order to ensure that the most up to date information on molecular biotechnology is presented.

PROGRAM EXPECTATIONS
You will gain a strong knowledge of the latest aspects of molecular biotechnology on a local and global scale as well as a greater understanding of the regulations and intellectual property requirements. You will also gain an appreciation of the social and ethical implications of molecular biotechnology.

MODE OF DELIVERY
The programs are delivered through lectures and tutorials with staff from across the University and emphasise the background knowledge required to understand modern biotechnology. Lecture content is underpinned by practical classes. If you wish to continue your full-time employment you should be aware that teaching in core units occurs during business hours. Lecture content is supplemented by notes and other reading materials made available on online learning web sites. Units are assessed during semester, with assessments ranging from quizzes to presentations, to practical exercises and end of semester exams.

ADMISSION REQUIREMENTS
You should hold a bachelor’s degree with demonstrated proficiency in relevant areas of science such as molecular biology, genetics, biochemistry, microbiology and chemistry. Our current students hold undergraduate degrees in science, pharmacy and agriculture. You may be admitted into the Master of Science in Molecular Biotechnology or Graduate Diploma in Molecular Biotechnology subject to your undergraduate record.

UNITS OF STUDY
For an up to date list of units of study offered, please visit: http://sydney.edu.au/biotechnology

INDUSTRY PROJECTS AND PLACEMENTS
As a Master of Science in Molecular Biotechnology student you will undertake a research placement in industry, national or academic research laboratories (subject to performance and quota) or undertake a case study of a biotechnology company.

AFTER GRADUATION
Molecular biotechnology graduates can specialise in diverse fields. The following online resources describe the biotechnology industry in NSW and Australia:
www.biotechnology.nsw.gov.au

ANNUAL INTAKE
Subject to availability.
<table>
<thead>
<tr>
<th>COURSE NAME</th>
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<tr>
<td>Graduate Certificate in Molecular Biotechnology</td>
<td>COURSE LG008</td>
<td>ACADEMIC REQ: Bachelor’s degree in a relevant area and/or appropriate experience. PROGRAM REQ: 4 units of study.</td>
<td>Not available to international students</td>
<td>DOM $450 per cp DUR 1 sem ENTRY March or July</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Molecular Biotechnology Program, Molecular Bioscience Building G08 P +61 2 9351 8680 F +61 2 9351 6022 E biotech.enquiries@sydney.edu.au http://sydney.edu.au/biotechnology
OVERVIEW
The Master of Nutrition and Dietetics provides professional education for dietitians/nutritionists. It builds on major concepts from the study of human biochemistry and physiology to discuss the roles of all nutrients, nutritional contents of food and diet in health and disease. The program includes all the units of study to ensure you reach dietetics competence including public health, medical nutrition therapy, food service management, communication, management, and research and evaluation.

SYDNEY ADVANTAGE
Sydney has a long history in educating dietitians/nutritionists with the first postgraduate diploma course commencing in 1967. Our course draws on the expertise of researchers and clinicians in nutrition science, public health, medicine and dietetics. Being in central Sydney gives us the advantage of calling on external guest lecturers. We have access to members of the science and medical faculties and use leading university teaching hospitals (Sydney and rural if preferred) for placement experiences. Our master’s program offers a full semester of supervised research training that meets the requirement to enter a PhD.

PROGRAM EXPECTATIONS
Our academics teach from a research-driven base but understand the importance of the translation of the research into evidence-based dietetic practice. The course will equip you with the skills for life-long professional development as a dietitian/nutritionist whether you want to work in the clinical or public health fields, in a hospital or primary care private practice, in a community health facility or a research organisation. The course is accredited by the Dietitians Association of Australia (DAA).

MODE OF DELIVERY
The course can only be delivered on a full-time basis. Face-to-face contact hours average 20 per week during year one and during the second year the 20 week professional placement requires you be available Monday to Friday during business hours. The research semester is also full-time.

AFTER GRADUATION
Our graduates can be found in almost all areas of dietetic and nutrition practice, for example in large and small hospitals, in private practice, in community health, in NGOs such as Cancer Council, in government positions like Food Standards Australia New Zealand (FSANZ), working for the professional body DAA, in the food industry and in academia and research.

INDUSTRY PLACEMENTS/PROJECTS
The second year of the course involves a 20 week placement so you will start earlier than formal term time – usually late January. The placements are all coordinated and supervised by university staff and you will spend time in hospitals, community health and food service areas.

ACCREDITATION
The Master of Nutrition and Dietetics is accredited by the Dietitians Association of Australia.

UNITS OF STUDY
For an up to date list of units of study offered, please go to the Faculty Handbook: http://sydney.edu.au/science/about_us/handbook

ANNUAL INTAKE
This course is subject to a quota determined by the school.

APPLICATION DEADLINE
The application closing date for this course is 31 October 2011, for both domestic and international students.
“It was gratifying to know that I had a lot of choice in my future career path. I was helped by the professional network the course helped me establish.”

**HAYLEY GRIFFIN**  
**MASTER OF NUTRITION AND DIETETICS GRADUATE**

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<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
</tr>
</thead>
</table>
| Master of Nutrition and Dietetics | LC005 CRICOS 008414B | **ACADEMIC REQ:** Bachelor of science degree or equivalent from a recognised institution with a credit average, and successful completion of at least 2 semesters at the second year level of biochemistry and molecular biology and human physiology.  
**PROGRAM REQ:** First year: lectures, tutorials and practicals. Second year: Semester 1 clinical training and Semester 2 small research project. | IELTS* 7.5 (6.5)  
* no other test will be accepted. | **DOM** $350 per cp  
**INT** $16,680 per sem  
**DUR** 4 sems (full-time only)  
**ENTRY** March |

**ACADEMIC QUERIES** Human Nutrition Unit, Molecular Bioscience Building G08  
P +61 2 9036 5417  
F +61 2 9351 5858  
E smb.studentsupport@sydney.edu.au  
OVERVIEW
Photonics - the technology of transmission, control, and detection of light - is the cornerstone of the ultrafast internet. With the advent of high definition TV and video on demand, many homes will have an optical connection to the internet, and optical links, for example USB memory sticks, will be widespread. But photonics and optical sciences are not just limited to telecommunications. Novel optical sensing devices are already used in mining, and optical and photonic components are used in the petrochemical industry and biomedical research.

The Master of Photonics and Optical Science and Graduate Diploma in Photonics and Optical Science have been designed to prepare physicists, engineers and Information and Communication Technology (ICT) professionals for this growing and widespread demand in photonic engineering and development. These programs bring together the expertise of world leading research groups at the University to provide training and in-depth knowledge in the theory and application of photonics, imaging and optical science.

The School of Physics, and School of Electrical and Information Engineering, together with the Australian Centre for Microscopy and Microanalysis (ACMM), offer you coursework programs combined with practical training in optical instrumentation and imaging, optical communication systems, biophotonics and microscopy, optical sources, detectors and optical materials. You will also be introduced to subjects at the very leading edge of modern optics including quantum and nonlinear optics and nanophotonics.

Whilst undertaking your master’s you have the opportunity to conduct original research with training and mentoring in research techniques.

SYDNEY ADVANTAGE
The University has formed the Institute of Photonics and Optical Science (IPOS) to coordinate this program, providing you with teaching and training from schools across the University, each internationally renowned in their fields.

The majority of your units will be taken in the School of Physics, providing you access to teaching expertise and world class research facilities in the Australian Research Council’s Centre of Excellence in Ultrahigh bandwidth Devices for Optical Systems (CUDOS) and the Institute of Astronomy (IoA). You will also gain a high level understanding of optical communications systems from units at the School of Electrical and Information Engineering and receive training in advanced microscopy techniques at the ACMM.

MODE OF DELIVERY
The master’s program consists of eight coursework units of study (these constitute the Graduate Diploma in Photonics and Optical Science) together with a research project. Each coursework unit of study comprises lectures, tutorials and seminars which include practical training or group exercises. As a full-time student you enrol in four units per semester, completing the eight units in a minimum of two semesters. During the research project, which will be carried out over a full semester in the School of Physics or elsewhere by agreement, you will work full time under the guidance of an academic supervisor on a topic of original research.

UNITS OF STUDY
For an up to date list of the units of study available, please visit: http://sydney.edu.au/science/physics/future/courses_pgrad.shtml

AFTER GRADUATION
A high level of understanding of optics and photonics, with associated practical skills, will equip you for senior professional roles in a broad range of industries where specialised knowledge of ICT is crucial: telecommunications; scientific, industrial and medical instrumentation; mineral exploration and mining. Other opportunities for employment exist as a research and development engineer in specialised fields including astronomical instrumentation and experimental research.

If you achieve sufficiently high grades in your master’s you may be interested in undertaking a research-only PhD program.
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<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
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<th>FEES/DURATION &amp; ENTRY</th>
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<tbody>
<tr>
<td>Master of Photonics and Optical Science</td>
<td>LC053 CRICOS 064093E</td>
<td>ACADEMIC REQ: Bachelor’s degree in science or engineering with a major in physics, or equivalent degree qualification. PROGRAM REQ: 8 units of study plus a research project.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 3 sems ENTRY March</td>
</tr>
<tr>
<td>Graduate Diploma in Photonics and Optical Science</td>
<td>LF041 CRICOS 064092F</td>
<td>ACADEMIC REQ: Bachelor’s degree in science or engineering with a major in physics, or equivalent degree qualification. PROGRAM REQ: 8 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $450 per cp INT $16,680 per sem DUR 2 sems ENTRY March</td>
</tr>
</tbody>
</table>

“I believe this course will give me the depth of knowledge I require to further my career in fibre optics to meet the burgeoning requirements of industry.”

MATTHEW BRIGGS
MASTER OF PHOTONICS AND OPTICAL SCIENCE
STUDENT

ACADEMIC QUERIES Dr Peter Domachuk, Course Coordinator, School of Physics, Physics Building A28 P +61 2 9351 2544 F +61 2 9351 7726 E peter.domachuk@sydney.edu.au  http://sydney.edu.au/pos
Psychology is the scientific study of behaviour. It is an extremely diverse discipline that encompasses many aspects of functioning, both normal and abnormal.

OVERVIEW
The Graduate Diploma in Psychology (GDP) enables graduates from other disciplines to complete a major in psychology and provides a means of accessing postgraduate study in psychology. The GDP meets accreditation requirements of the Australian Psychological Society (APS) for an undergraduate sequence in psychology. It may lead to a fourth year of study (honours or honours equivalent) in psychology.

PROGRAM EXPECTATIONS
As a GDP student, you will study units that are identical to second and third year psychology units necessary for a psychology major in an undergraduate degree.

MODE OF DELIVERY
Most classes are held during the day, finishing no later than 7pm. You will usually have a choice of times. However, while some classes are available in the late afternoon or early evening, class attendance earlier in the day is necessary.

ADMISSION REQUIREMENTS
You must hold an appropriate undergraduate degree and have successfully completed Psychology 1001 and Psychology 1002 or equivalent introductory psychology units within the past 10 years.

If you have not already completed introductory psychology, you may study these two units as a non-degree student. When assessing your application your undergraduate record will be taken into account.

Please note that you must submit a separate non-degree application to apply for Psychology 1001 and 1002.

UNITS OF STUDY
For an up to date list of the units of study, please visit: [http://sydney.edu.au/science/psychology/GDP/GDPsyct](http://sydney.edu.au/science/psychology/GDP/GDPsyct)

AFTER GRADUATION
If you plan to use your study of psychology to become professionally qualified, the GDP fully meets accreditation requirements of the APS as an undergraduate sequence in psychology. Currently in NSW, full registration as a professional psychologist requires four years of study in psychology and an additional two years of postgraduate study or two years of experience under supervision. Full membership of the APS requires an honours or honours equivalent fourth year, followed by a fifth and sixth year of postgraduate study.

After successfully completing the GDP, you may apply for graduate study in psychology at the University of Sydney. You may undertake a fourth year of psychology in:

- Psychology 4 (Honours);

and later:

- Doctor of Clinical Psychology (DCP)
- Doctor of Philosophy (PhD).

For more information about higher program studies in psychology at the University of Sydney visit the school’s website at: [http://sydney.edu.au/science/psychology](http://sydney.edu.au/science/psychology)

CREDIT FOR PREVIOUS STUDY
You can apply for up to 24cp of credit if you have already completed studies which the faculty deems equivalent to those in the GDP. You must have completed these units of study within an APS accredited degree program within the previous ten years. Equivalent study at an international university may be acceptable. If you are seeking credit, you should complete the relevant application for credit form available from the Faculty of Science.

ANNUAL INTAKE
Subject to availability.
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<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
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| Graduate Diploma in Psychology | LF017        | **ACADEMIC REQ:** A relevant undergraduate degree and have successfully completed Psychology 1001 and Psychology 1002 or equivalent introductory psychology units within the past 10 years.  
**PROGRAM REQ:** 8 units of study across intermediate and senior psychology. | Not available to international students | DOM $425 per cp  
DUR 3 sems (combined part-time and full-time)  
ENTRY March or July |

**ACADEMIC QUERIES** Dr Marianne Szabo, School of Psychology Brennan MacCallum Building A18  
P +61 2 9351 3866  F +61 2 9351 5223  E marianna.szabo@sydney.edu.au  
Positive psychology is the scientific study of the factors that enable individuals, organisations and communities to flourish and thrive. There is considerable interest worldwide in positive psychology and its application in work, professional and personal settings.

OVERVIEW
The University offers the Graduate Certificate in Applied Positive Psychology which aims to give you a solid scientific grounding in the principles and applications of positive psychology and allow you to apply this knowledge in a wide range of settings. This program teaches the history and development of positive psychology, the key theoretical constructs of positive psychology, the core research methods used in positive psychology, and the application of positive psychology principles in a wide range of settings.

SYDNEY ADVANTAGE
The Graduate Certificate in Applied Positive Psychology is the first such program in Australia and one of very few in the world. Our program combines a rigorous theoretical foundation with real-world practical applications, and integrates evidence-based coaching methodologies with the science of positive psychology. It is taught by recognised leaders in the area of positive psychology and coaching psychology.

PROGRAM EXPECTATIONS
This program is designed to provide you with key theoretical understandings of positive psychology as a scientific psychological sub-discipline, and the knowledge and skills to apply the science of positive psychology in a range of contexts including consulting, coaching, education and health-related settings.

MODE OF DELIVERY
Units of study are taught in face-to-face seminars and lectures on weekly and intensive teaching modes. This program is not taught in distance education mode. The program can only be undertaken part time.

ADMISSION REQUIREMENTS
Entry into the program is competitive. You should have either a three-year psychology degree or a three-year degree in a cognate discipline with a major in areas such as (but not limited to) arts, humanities, business, science or law. At least two years relevant employment experience is required. To help the assessment process we request that you provide the names of up to three referees, and include a short essay of least 500 words detailing your prior experience, your interests in the program and your overall goals on graduation.

UNITS OF STUDY
There are two core units and two elective units of study. Please refer to the website for further information: http://sydney.edu.au/science/psychology/info/coach/positivePsychology/

AFTER GRADUATION
As a graduate of this program you will have a solid grounding in both the theory and practice of positive psychology, enabling you to apply the science of positive psychology in a wide range of contexts including consulting, coaching, education and health-related settings or as organisational change agents.

ANNUAL INTAKE
There is no quota for this program but entry is competitive.

APPLICATION DEADLINE
Please note that for semester 2, 2012, this course has an early application deadline of 31 May 2012.
**Graduate Certificate in Applied Positive Psychology**

**COURSE CODES**: LG024

**ENTRY REQ**: A three-year psychology degree or a three-year degree in a cognate discipline with a major in areas such as (but not limited to) arts, humanities, business, science or law, plus at least two years relevant employment experience.

**PROGRAM REQ**: 2 core units and 2 electives.

**ENGLISH EXAMS**: Not available to international students

**FEES/DURATION & ENTRY**: DOM $450 per cp

DUR 2 sems (part-time only)

ENTRY March or July

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**ACADEMIC QUERIES**

Dr Anthony Grant, Course Coordinator, School of Psychology Brennan MacCallum Building A18

P +61 2 9351 6792  F +61 2 9351 5223  E anthony.grant@sydney.edu.au

http://sydney.edu.au/science/psychology/info/coach/positive_psychology
Health psychology is the field of psychology devoted to the study of the promotion and maintenance of health: the causes and detection of illness, the prevention and treatment of illness, and the improvement of health care systems and health care policy.

OVERVIEW
The Master of Science in Health Psychology is an articulated postgraduate program which teaches the theory and practical applications of health psychology. The program is designed to provide you with an understanding of the theoretical, methodological and practical aspects of health psychology.

SYDNEY ADVANTAGE
Health psychology is an area of rapidly growing interest among psychologists and other health professionals. There are no existing comparable programs currently offered in Sydney. It is also possible to tailor the program towards your own specific interests as there are a large range of electives from which to choose.

MODE OF DELIVERY
The program will be taught at the Camperdown and Darlington campuses, with some units of study offered at the Cumberland campus. The majority of classes will be taught within the normal teaching hours of 9am and 8pm.

ADMISSION REQUIREMENTS
You must have either a four year psychology degree or a three year degree in a cognate discipline with at least two years relevant employment experience.

You can articulate from certificate to master’s by obtaining distinction level results at the certificate level.

To obtain entry into the research master’s stream, you will need to have either a four year psychology degree on entry or obtain distinction or better at the certificate level.

UNITS OF STUDY
For an up to date list of units of study offered, please visit: http://sydney.edu.au/science/psychology/info/health/uos.html

AFTER GRADUATION
Our program has been designed to meet the needs of a wide variety of health professionals interested in the growing area of health psychology: for example, you may work within the Department of Health and other organisations, charities and research groups, or be an allied health professional, psychology student, geneticist or counsellor. The programs will allow you to pursue health psychology careers within the health industry, academia and government. Please note these programs are professional development courses and are not accredited for Australian Psychological Society membership or NSW Psychology registration purposes.

ANNUAL INTAKE
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<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
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<tr>
<td>Master of Science in Health Psychology</td>
<td>COURSE LC057 CRICOS 074176G</td>
<td>ACADEMIC REQ: Four year bachelor’s degree in psychology; however applicants with a three year sequence in psychology will be considered. PROGRAM REQ: 8 units of study – 4 core and 4 elective units.</td>
<td>IELTS 6.5 (6.0)</td>
<td>DOM $450 per cp</td>
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<td>IBT 90 (23/22)</td>
<td>INT $16,680 per sem</td>
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<td>ENTRY March or July</td>
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<tr>
<td>Graduate Diploma in Health Psychology</td>
<td>COURSE LF045 CRICOS 074175J</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 6 units of study – 4 core and 2 electives.</td>
<td>IELTS 6.5 (6.0)</td>
<td>DOM $450 per cp</td>
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<td>ENTRY March or July</td>
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<tr>
<td>Graduate Certificate in Health Psychology</td>
<td>COURSE LG022</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study – 3 core and 1 electives.</td>
<td>Not available to international students</td>
<td>DOM $450 per cp</td>
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<td>ENTRY March or July</td>
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ACADEMIC QUERIES Dr Barbara Mullan, Coordinator, Postgraduate Health Psychology, Mungo MacCallum Building A19
P +61 2 9351 6811 F +61 2 9036 5223 E barbara.mullan@sydney.edu.au http://sydney.edu.au/science/psychology/info/health
Coaching psychology is a fast growing and relatively new approach to the enhancement of human performance in work, relationships and life in general. Coaching psychology is an applied positive psychology course and sits at the intersection of counselling, clinical and organisational psychology.

OVERVIEW
The Master of Science in Coaching Psychology is an articulated postgraduate program which teaches the applied science of human performance enhancement and coaching.

This program provides you with a sound grounding in the theoretical and methodological aspects of coaching psychology and teaches fundamental applied coaching skills. The program aims to give you the knowledge to be a skilled coach, capable of coaching in an extensive variety of settings and with a wide range of client populations including executive, management and personal coaching practice. The Coaching Psychology Unit seeks to enhance the performance, productivity and quality of life of individuals, organisations and the broader community, through excellence in education, research and the practice of coaching psychology.

SYDNEY ADVANTAGE
There are currently very few universities worldwide that offer postgraduate qualifications in coaching psychology. The Coaching Psychology Unit is recognised as a world leader in the development of both coaching theory and its real world application. To ensure that students receive the best available training in coaching psychology, it is taught by practising coaching psychologists, and training and management consultants, all of whom have extensive experience in their specialised fields and many of whom have international reputations. The programs offered by the Coaching Psychology Unit offer leading edge training in the theory and practice of coaching.

PROGRAM EXPECTATIONS
You can expect to gain both a sound grounding in the main psychological theories and principles that inform coaching practice, and a foundation in the core skills of applied coaching. These theoretical and applied skills include:

- an ability to implement coaching in a variety of settings
- an understanding of the strengths, limitations and applications of coaching methodologies
- an ability to design and implement coaching programs in organisational settings
- an understanding of how systems, groups and teams operate, and the application of coaching within complex systems
- an understanding of the central features of personal and life coaching
- an overview of the main forms of psychopathology found in coaching and how to deal appropriately with clients displaying mental health issues.

MODE OF DELIVERY
The program is run in a face-to-face mode at the Camperdown campus typically between 4pm and 9pm. We do not offer distance education. Units of study are primarily semester long, although some units are offered in intensive block mode. Some block units are taught outside of the normal semester sessions, and you should check the timetabling which is posted on the Coaching Psychology Unit website at http://sydney.edu.au/science/psychology/coach

Please note that all classes are highly interactive, and international students should be aware that a high level of spoken English is a necessity.

ADMISSION REQUIREMENTS
Entry into the program is competitive. You should have either a three year Psychology degree or a three year degree in a cognate discipline with a major in areas such as (but not limited to) arts, humanities, business, science or law. At least two years relevant employment experience is required. To help the assessment process we request that you provide the names of up to three referees, and include a short essay of least 500 words detailing your prior experience, your interests in the program and your overall goals upon graduation.

UNITS OF STUDY
For an up to date list of units of study offered, please visit: http://sydney.edu.au/science/psychology/coach/info

AFTER GRADUATION
While there is no generally recognised professional qualification for coaches, the program is consistent with the International Coach Federation (ICF) core competencies. Hence successful completion of the program may contribute toward accreditation in the ICF’s portfolio track. Similarly, if you have a four year degree in psychology, participation in the program can be used as part of the requirements for registration as a psychologist via the supervision track. However, the program does not in itself qualify you for registration as a psychologist.

After graduating, you could expect to gain employment in a range of jobs involving human resource development, private practice, organisational consultancy and professional services.
ANNUAL INTAKE
25 – 60
Please note that entry is competitive.

SPECIAL NOTE
Full time study of the Graduate Certificate in Coaching Psychology is not available and full time study of the other programs is not recommended if you are a domestic student.

This program does not qualify as an alternative fourth year for registration nor is it suitable if you wish to obtain an accredited honours equivalent degree in psychology for purposes of registration or membership of the Australian Psychological Society.

For further information please visit: Psychologists Registration Board of New South Wales
T +61 2 9219 0211
E psychreg@hprb.health.nsw.gov.au
www.psychreg.health.nsw.gov.au

Further information about membership of the APS may be obtained from:
Australian Psychological Society
T +61 3 8662 3300
E contactus@psychology.org.au
www.psychology.org.au

APPLICATION DEADLINE
Please note that for semester 2, 2012, this course has an early application deadline of 31 May 2012.

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<tr>
<th>COURSE NAME</th>
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<tbody>
<tr>
<td>Master of Science in Coaching Psychology</td>
<td>COURSE LC060</td>
<td>ACADEMIC REQ: Four year bachelor’s degree in psychology: applicants with a three year sequence in psychology or a cognate discipline will be considered. PROGRAM REQ: 3 core units plus 5 electives.</td>
<td>IELTS 7.5 (6.0)</td>
<td>DOM $485 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Coaching Psychology</td>
<td>COURSE LF048</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 3 core units plus 3 electives.</td>
<td>IELTS 7.5 (6.0)</td>
<td>DOM $485 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Coaching Psychology</td>
<td>COURSE LG005</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study.</td>
<td></td>
<td>DOM $485 per cp INT $16,680 per sem DUR 1 sem ENTRY March or July</td>
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</table>

ACADEMIC QUERIES Dr Anthony Grant, Course Coordinator, School of Psychology, Mungo MacCallum Building A19
P +61 2 9351 6792  F +61 2 9351 5223  E anthony.grant@sydney.edu.au  http://sydney.edu.au/science/psychology/info/coach
DOCTOR OF CLINICAL PSYCHOLOGY/ MASTER OF SCIENCE

The Doctor of Clinical Psychology/Master of Science (DCP/MSc) is a postgraduate double degree in the professional specialisation of clinical psychology. The DCP/MSc provides psychology graduates with doctorate level clinical and research training in clinical psychology that is consistent with international standards of professional psychology.

OVERVIEW
The DCP/MSc program adopts a scientific and evidence-based approach to clinical psychology. The treatment model is based on a cognitive-behavioural approach, and the introduction of alternative models of therapy in later years ensures both a depth and breadth to your clinical training.

The DCP/MSc involves three years of full-time study and includes three components: academic coursework, supervised clinical placements and research.

Qualified clinical psychologists provide you with supervised clinical practice in an internal on-campus psychology clinic, as well as a variety of external teaching hospitals and clinics. The DCP/MSc includes a minimum of 1500 hours of clinical placement experience and 600 patient contact hours. The research component requires you to produce a Master of Science (MSc) research thesis.

SYDNEY ADVANTAGE
Studying at the University of Sydney provides you with the benefits of a state-of-the-art on campus training psychology clinic, and intensive clinical supervision with observation and digital recording facilities. Staff have active leadership roles in the profession, and also provide excellent links with university teaching hospitals and other clinical facilities for research and clinical placements.

MODE OF DELIVERY
The DCP/MSc is offered on a full-time basis - single unit of study enrolment is not permitted. The program is not available by distance education.

ADMISSION REQUIREMENTS
You must have completed an APAC accredited four year honours degree (or equivalent), with a recognised major in psychology, gaining at least an upper second class (2:1) honours. The honours degree must include a major research project and thesis as an essential part of the degree. All qualifications obtained from a non-Australian university must be assessed by the Australian Psychological Society (APS) before you submit your application. If your qualification was obtained from a non-Australian university you must provide evidence of an individual (or group) conducted research project and thesis. To determine equivalency, visit the Australian Psychology Accreditation Council (APAC) or APS websites. You must also provide evidence of English language proficiency and two referee reports (for more information see below).

Applicants must meet the admission requirements to be considered for the selection interview – an essential part of the selection process.

CLINICAL RELEVANCE FOR APPLICATION
You are not required to have completed an empirical research project in the area of abnormal or clinical psychology. The selection process aims to identify that you have a demonstrated interest in these areas, an awareness of clinical issues, and relevant experience. Clinical relevance may be demonstrated on the basis of projects in other areas of psychology, such as cognitive psychology, developmental psychology, individual differences, human learning, neuroscience or social psychology, or relevant work experience.

UNITS OF STUDY
For an up to date list of all units of study available in the DCP/MSc, please visit:
http://sydney.edu.au/science/psychology/clinical_psychology

AFTER GRADUATION
The program aims to provide you with expertise, both practical and academic, which will enable you to work as a professional clinical psychologist in a variety of settings. The DCP/MSc program is recognised by the NSW Department of Health as qualifying the holder for progression to the grade of clinical psychologist. The program is accredited by APAC, providing the fifth, sixth and seventh years of training, and is an approved qualification for Associate Membership of the APS College of Clinical Psychologists and the Australian Clinical Psychology Association. The Psychology Board of Australia has approved the program for the purposes of registration and endorsement of practice in clinical psychology.

APPLICATION FORMS
You can download DCP/MSc application forms from:
http://sydney.edu.au/science/psychology/clinical_psychology
To apply as a domestic student you must submit the following:
- a completed ‘Doctor of Clinical Psychology/Master of Science (DCP/MSc) postgraduate coursework application form’
- two referee reports (at least one academic, the other may be academic or relate to work experience)
- supporting documentation.
If you are an international student must also submit an ‘International
Postgraduate Coursework application form*. An application will be considered incomplete, and will not be evaluated nor proceed to interview, unless all documents are received by the closing date.

SELECTION INTERVIEW
The selection interview specifically assesses relevant academic, research and clinical work experience, and performance, aptitude for clinical psychology and awareness of ethical issues relevant to clinical practice. Interviews are usually held in the last week of November and first week of December. Web-cam based Skype interviews may be offered to international applicants.

For further information please visit the website:
http://sydney.edu.au/science/psychology/clinical_psychology

OFFER OF PLACES
Following the selection interview, you will be ranked compared to other applicants upon your application, academic record and interview performance. The top ranking applicants are offered places by the end of the second week of December. Offers of places will occur informally by phone, followed by a formal letter of offer sent by the Faculty of Science. You will have one week to accept the offer. Should an offer be declined, the place is offered to the next applicant on the reserve list. Offers to applicants on the reserve list may continue into January. Unsuccessful applicants will be advised in writing by the Faculty of Science from January onwards.

CREDIT FOR PREVIOUS STUDY
Credit for previous study is available in some circumstances. Please see website for details:

ANNUAL INTAKE
15 - 20
As an indication of interest in the program, each year 100 - 150 applications may be received and 50 applicants offered interviews.

APPLICATION DEADLINES
Please note that this course has early application deadlines. Please visit the website for details:

<table>
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<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
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<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
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<tbody>
<tr>
<td>Doctor of Clinical Psychology/ Master of Science</td>
<td>LB001 CRICOS 040243E</td>
<td>ACADEMIC REQ: APAC accredited four year honours degree (or equivalent) with a recognised major in psychology. PROGRAM REQ: 84 cp of study.</td>
<td>IELTS* 7.0 (7.0)</td>
<td>DOM $450 per cp INT $17,520 per sem DUR 8 sems ENTRY March</td>
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ACADEMIC QUERIES Clinical Psychology Unit, Mackie Building K01
P +61 2 9351 6180 F +61 2 9351 7328 E psychology.clinic@sydney.edu.au
http://sydney.edu.au/science/psychology/clinical_psychology/future_stud/course_info
MASTER OF SCIENCE IN SPATIAL INFORMATION SCIENCE

The field of spatial science involves the exploration of geographical association through different methods of spatial analysis and inquiry.

OVERVIEW
Challenges faced in addressing impacts of climate change, natural hazards and changing population pressures can often be addressed from a spatial perspective. Expansion in the availability of geographically referenced data has resulted from advances in satellite and aerial-borne remotely sensed technologies and the proliferation of spatially referenced databases. The utilisation of this information in understanding processes and addressing critical social and environmental problems has increased demand for interpretive, analysis and modelling theories and methodologies that deal with the spatio-temporal dimension.

This program has been designed to equip you with an in-depth knowledge, understanding and expertise in Geographic Information System (GIS), spatial modelling and remote sensing required for professionals in this field. The opportunity to select from a range of units of study allows you to focus on a preferred specialisation within the broader spatial science spectrum or to enhance existing expertise. Rapid expansion of the spatial science discipline over the past five years has generated increased demand for individuals with postgraduate level qualifications in this field.

SYDNEY ADVANTAGE
The program offers a breadth of unit options available within geosciences, information technologies, planning and agriculture, food and natural resources. The teaching and research expertise provided by the cross-disciplinary nature of this program is unique in Australia. The combination of GIS, remote sensing, geocomputing, field mapping and planning units offered at the University allows you to gain expertise that is highly regarded by employees in the spatial science industry.

MODE OF DELIVERY
Units offered within the spatial information science program are held on the Camperdown campus. The majority of units are computer based and utilise the University’s latest geocomputing laboratory facilities. The units involve lectures, tutorials and practical sessions. Geosciences based units are all held during business hours, while some of the information technology units are held after working hours. Field-based work in some of the units will also involve excursions to sites within the Sydney region. Assessment is primarily by essay, practical assignment, project report and in some units a minor examination component.

ADMISSION REQUIREMENTS
Although you do not specifically need to hold a science degree, all applicants must have some form of tertiary qualification where there is an emphasis on subjects related to spatial sciences. For instance, you may have an arts degree majoring in geography, or an engineering degree, or a degree in agricultural science. Alternatively, you must have substantial experience in the workplace and some type of tertiary qualification. Each application will be assessed on its individual merits.

UNITS OF STUDY
There are several unique units of study offered. Full details are available at: http://sydney.edu.au/science/geosciences/units_of_study/index.shtml#pgrad
For additional information please also refer to the faculty handbook.

AFTER GRADUATION
The breadth of spatial science expertise gained throughout this program will provide you with a wide variety of employment opportunities. Depending on your background and the specialty areas in which you choose to study, you can be employed in jobs ranging from GIS application development, remote sensing based landscape change monitoring through to modelling the consequences of modified water levels on inland wetland systems. These qualifications are in high demand at an international and national level, both within private industry and government agencies. Within Australia, graduates have acquired jobs with federal, state and local government bodies including the Defence Imagery and Geospatial Organisation, the Departments of Environment, Water, Heritage and the Arts, Climate Change and Energy Efficiency and Ku-ring-gai Council, as well as with private consultancies.

OF FURTHER INTEREST
Spatial Sciences Institute (SSI) www.spatialsciences.org.au
Geoscience Australia www.ga.gov.au

SPECIAL NOTE
The spatial information science research project does not involve a specific topic but provides you with an opportunity to research a spatial science related issue or application of your interest. You will need to contact a potential supervisor and discuss your topic of interest with them. For example, you may be interested in modelling coastal impacts of sea level rise, analysing patterns of landscape change or examining rates of urban growth.
CREDIT FOR PREVIOUS STUDY
Credit is not available in this program unless it is for units of study undertaken within embedded programs at the University within the past two years, except at the discretion of the dean.

ANNUAL INTAKE
There is no quota for this program.

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<tr>
<th>COURSE NAME</th>
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<tr>
<td>Master of Science in Spatial Information Science</td>
<td>COURSE LC061 CRICOS 074187E</td>
<td>ACADEMIC REQ: Bachelor’s degree in science or other relevant degree in the physical or numeric sciences. PROGRAM REQ: 1 core unit and either 7 elective units or 5 elective units plus project.</td>
<td>IELTS 6.5 (6.0) IBT 90 (25/22)</td>
<td>DOM $410 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Spatial Information Science</td>
<td>COURSE LF049 CRICOS 074186F</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 1 core unit and 5 elective units.</td>
<td>IELTS 6.5 (6.0) IBT 90 (25/22)</td>
<td>DOM $410 per cp INT $16,680 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Spatial Information Science</td>
<td>COURSE LG018</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study.</td>
<td>Not available to international students</td>
<td>DOM $410 per cp INT $16,680 per sem DUR 1 sem ENTRY March or July</td>
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ACADEMIC QUERIES Dr Eleanor Bruce, Course Coordinator, Madsen Building F09 P +61 2 9351 6443 F +61 2 9351 3644 E sis.enquiries@sydney.edu.au http://sydney.edu.au/science/geosciences
MASTER OF SUSTAINABILITY

Will our rivers run dry? Can our cities survive? How will future populations replenish? As a Master of Sustainability student you will address these questions by considering key global issues such as maintaining biodiversity, energy conservation, emission management, sustainable building design, urban planning, public health, economic development, and environmental, national and international treaty law.

OVERVIEW
The articulated Master of Sustainability program provides advanced training for you as a sustainability professional or continuing student who wishes to expand your understanding of complex social, economic and environmental sustainability issues. Based on creative problem solving techniques, you learn to draw on cross-disciplinary processes and expert knowledge. Through this program you will become a sustainability professional able to augment your discipline-specific skills with an appreciation of the technological, commercial, legal, governmental and societal imperatives underpinning sustainability issues. The course has been developed in collaboration between the University’s Institute for Sustainable Solutions (USISS) and industry professionals from areas such as energy, finance, the media, planning, health, law and government.

SYDNEY ADVANTAGE
Under the umbrella of USISS this program brings an industry and management approach to the complicated issues surrounding sustainability. Designed for both sustainability management professionals and recent graduates with an interest in sustainability, the Master of Sustainability brings the best sustainability minds from across the University faculties to engage with you.

Using historical as well as the latest research, you will have the option to incorporate your current employment into the research component of the course.

USISS brings together the world’s leading thinkers, researchers and educators in disciplines such as renewable energy, climate change, population growth, health, and food and energy security. USISS provides a focal point for outstanding research in sustainability, providing new ways of thinking about solutions.

You can access more information at: http://sydney.edu.au/sustainable_solutions/about

PROGRAM EXPECTATIONS
You are expected to engage in the multidisciplinary spirit and interdisciplinary teamwork that underpins the work at USISS, whilst bringing your professional experience to bear on your studies, contributing towards a collaborative exploration into the practical application of sustainability solutions.

You will gain the skills to lead sustainability teams or to offer high level sustainability consultancy and accounting services to industry, NGOs and government. The ability to make a difference in organisational practice will be enhanced by the training that you will receive in problem solving, communication, integrated systems, change management and ethics.

MODE OF DELIVERY
Instruction will be from experts from across the University and leading industrial practitioners, in a series of on-campus lectures, tutorials and seminars. Depending on subject selection you may also be involved in laboratory work. Some units of study may be offered in intensive mode.

UNITS OF STUDY
More detailed information regarding units of study is available online.

AFTER GRADUATION
As a graduate, you will be equipped to develop and implement solutions to the complex problems facing an increasingly resource-constrained society. You will be suited for positions in the developing fields of sustainability in areas as diverse as technology, finance, policy, government, industry and communities.

CREDIT FOR PREVIOUS STUDY
Credit for previous study is available in this course at the discretion of the course coordinator.

ANNUAL INTAKE
There is no quota for this course.
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<tr>
<td>Master of Sustainability</td>
<td>LC054 CRICOS 068694C</td>
<td>ACADEMIC REQ: A bachelor’s degree or equivalent qualification. PROGRAM REQ: 6 core units, 2 electives and 4 units of a capstone experience. The capstone experience is a research-type activity involving at least two of the USISS theme areas. Students select the research topic in consultation with an academic mentor.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $580 per cp INT $16,680 per sem DUR 3 sems ENTRY March*</td>
</tr>
<tr>
<td>Graduate Diploma in Sustainability</td>
<td>LF042 CRICOS 068693D</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 6 core units of study and 2 electives.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $580 per cp INT $16,680 per sem DUR 2 sems ENTRY March*</td>
</tr>
<tr>
<td>Graduate Certificate in Sustainability</td>
<td>LG025 CRICOS 068692E</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 2 core units of study and 2 electives.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $580 per cp INT $16,680 per sem DUR 1 sem ENTRY March*</td>
</tr>
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</table>

ACADEMIC QUERIES: Associate Professor Tony Masters, Course Coordinator, Chemistry Building F11  
P +61 2 9351 3743  F +61 2 9351 3329  E sustainability@sydney.edu.au  http://sydney.edu.au/sustainable_solutions

*For July entry, please contact the faculty.
MASTER OF ANIMAL SCIENCE

The Master of Animal Science offers an opportunity to direct your career into animal research or industry.

OVERVIEW
Rapid developments in animal research and production technologies have made it difficult for employers in these fields to find people with the latest knowledge and techniques. The Master of Animal Science will give you the opportunity to enhance your career in animal science, engaging in a specialisation in genetics, reproduction or nutrition.

The Animal Science postgraduate program develops core technical skills in your chosen field, while giving you opportunities to study a wide range of electives dealing with exciting new developments in the animal science field. You will be given extraordinary opportunities to learn from leading researchers in areas such as Advanced Reproduction Techniques (ART), genomics, biotechnology, and animal welfare and behaviour science. You will also have the opportunity to apply your skills to specific industries, such as beef, dairy, pig, poultry, aquaculture and more.

The Animal Science postgraduate program can be taken at graduate certificate, graduate diploma and master’s levels. Usually 50% of the master’s program is composed of supervised research. Study in this program can be a route from a science or agriculture background into a career in animal industries or PhD candidature.

SYDNEY ADVANTAGE
The University of Sydney has a very strong research tradition in the animal sciences, and is home to some of the world’s leading scientists in animal genetics and reproduction, as well as the Centre for Advanced Technologies in Animal Genetics and Reproduction. As a leading research institution, the University is the ideal place to learn about the latest innovations from the people who discovered them.

You will have expert advice and individual support from program staff as you plan your highly flexible program of study. Throughout your degree you will receive on-going support to deal with the specific issues faced by postgraduate students.

PROGRAM EXPECTATIONS
When you complete the program to graduate certificate level, you will possess foundational knowledge in your selected stream - genetics, nutrition or reproduction - and have developed specific skills in this area, either through coursework or research. If you go on to graduate diploma level, further electives and research opportunities provide you with the flexibility you need to build the skills for your chosen career. If you graduate with the Master of Animal Science you will have significant foundational knowledge as well as substantial research skills that can apply to further study or to support animal industries.

MODE OF DELIVERY
Your classes for this program are normally held on-campus in the daytime at either our Camperdown or Camden campuses, with some being presented in intensive mode or with residential components. Study can be full or part-time. Many classes are held with honours level Bachelor of Animal and Veterinary Bioscience students. The advanced animal genetics and advanced animal biotechnology units are available either on-campus or online by distance.

ADMISSION REQUIREMENTS
You must have an undergraduate degree in a relevant field, such as animal science, veterinary science, agriculture or another science-based degree. Please contact us at vetscience.pginfo@sydney.edu.au to seek advice if needed.

UNITS OF STUDY
Units of study include:
- Advanced Animal Genetics
- Advanced Animal Nutrition
- Advanced Animal Biotechnology
- Advanced Animal Reproduction
- Technologies of Animal Reproduction
- Feed Technology
- Advanced Anatomy and Physiology
- Intensive and Extensive Animal Industries
- Advanced Animal Welfare and Behaviour
- Aquatic Animal Health.

For up to date information on units of study, please go to the faculty handbook:

We always recommend contacting us at vetscience.pginfo@sydney.edu.au to discuss course structure, your ambitions and your options.

AFTER GRADUATION
The Master of Animal Science is specifically designed to assist in the development of the core knowledge and research skills expected in a future research student. It is an excellent way to shift towards a career with animals.

As a graduate, you will be a competitive applicant for research programs and a skilled prospective employee for a wide range of organisations that provide service, advice, research and development or extension services to animal industries. These will include agricultural industry organisations, animal production service organisations, laboratory services, biotechnology organisations, government departments of agriculture and more.

ANNUAL INTAKE
There is no quota for this program, however admission is dependent on the availability of a suitable research supervisor.
ENQUIRIES
We strongly encourage all potential applicants to contact us at vetscience.pginfo@sydney.edu.au. We are familiar with the range of issues you need to think about when considering starting postgraduate study and we will help you through the decision-making process.

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<tbody>
<tr>
<td>Master of Animal Science</td>
<td>CRICOS 055413B</td>
<td>ACADEMIC REQ: Bachelor’s degree in a relevant field, such as animal science, veterinary science, agriculture or science, or a bachelor degree with relevant work experience. Please note: this program will not train international veterinarians for registration in Australia. PROGRAM REQ: 2 core units in the area of major, a research project and 2 to 4 elective coursework units.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) $740 per cp (onshore) DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Animal Science</td>
<td>CRICOS 055414A</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 2 core units in the area of a major, electives or research project, or combination of the two.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) $740 per cp (onshore) DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Animal Science</td>
<td>CRICOS 055415M</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: As above.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) $740 per cp (onshore) DUR 1 sem ENTRY March or July</td>
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ACADEMIC QUERIES Faculty of Veterinary Science, J.D. Stewart Building B01
P +61 2 9356 6365 F +61 2 9356 3056 E vetscience.pginfo@sydney.edu.au
MASTER OF ANIMAL SCIENCE (ANIMAL BREEDING MANAGEMENT)

OVERVIEW
The Master of Animal Science (Animal Breeding Management) (ABMgt) is a distance program for busy professionals, offered online with short residential sessions in Sydney and Armidale. This program offers three nested award courses at graduate certificate, graduate diploma and master’s levels, specifically designed to equip animal health professionals with animal genetics, breeding and management expertise that is relevant and applicable to animal industries.

Developed in response to a rapidly changing science and agricultural environment, the ABMgt program combines theoretical and applied animal genetics with the skills required to participate in the enormous changes currently taking place in animal industries. Animal Breeding Management combines study in animal genetics, breeding program design and animal biotechnology with teamwork, communication, leadership and management skills.

You will study human and organisational behaviour, communication, leadership and change management, while developing a wide range of leadership and managerial skills. You will use these skills through participation in teams to solve technical problems in animal genetics, breeding and biotechnology. Sponsored and supported by key Australian animal industry organisations, the expectation is that graduates will be well positioned to be influential animal breeding professionals.

SYDNEY ADVANTAGE
Program materials draw on the substantial research-based expertise of staff at both the University of Sydney and the University of New England, who are co-teaching the program. Combining the best of previously existing on-campus programs in animal genetics and animal breeding from both universities, this program offers a unique experience that is flexible enough to complete while you work, wherever you live. Leadership and management units have been developed and are taught by facilitators who are highly regarded internationally in these fields, and taught in the context of those working in animal health professions.

These advantages ensure you will acquire the latest knowledge and techniques in a fast-moving field, from the people who have made the discoveries. In addition, you’ll also be able to effectively communicate these complex ideas and provide leadership in your field.

PROGRAM EXPECTATIONS
When you complete this program, you will possess a thorough understanding of the various applications for animal genetics and the science underpinning it, be able to design breeding programs on the basis of this understanding, apply good managerial practice, provide leadership in your field and assist in managing change. Those studying at master’s level will also have developed substantial research skills that can be applied to further study or to support animal industries.

MODE OF DELIVERY
This program is delivered by distance using collaborative online classrooms, facilitated by an expert in each subject area. Students are also required to attend a number of three to five day residential sessions in Sydney and Armidale. As a distance student, you should be prepared to spend a minimum of 150 hours studying each 6-credit point unit of study, which amounts to approximately 10 hours per week. For more details see our website:

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<tr>
<td>Master of Animal Science (Animal Breeding Management)</td>
<td>COURSE NC033</td>
<td>ACADEMIC REQ: A bachelor’s degree in a relevant field. PROGRAM REQ: 8 core and elective units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR 4 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Animal Science (Animal Breeding Management)</td>
<td>COURSE NF010</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 6 core and elective units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR 3 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Animal Science (Animal Breeding Management)</td>
<td>COURSE NG002</td>
<td>ACADEMIC REQ: A bachelor’s degree in a relevant field. Admission is also possible on the basis of at least eight semesters relevant work experience, with the Dean’s permission. PROGRAM REQ: 4 core units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR 2 sems (part-time only) ENTRY March or July</td>
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International students should note that, as a distance program, it is the expectation that you will study from your home country. Enrolment in this program will not make you eligible for a student visa to Australia.

ACADEMIC QUERIES Faculty of Veterinary Science, J.D. Stewart Building B01
P +61 2 9036 6385 F +61 2 9351 3056 E vetscience.pgcinfo@sydney.edu.au
http://sydney.edu.au/vetscience/animal_breeding/future_students/ab_future_s.shtml
OVERVIEW
The University of Sydney Master of Veterinary Public Health is run entirely as a distance program, requiring no visits to Sydney. It is focused on the development of high-level technical skills and is designed for busy people, working full time.

Offered in conjunction with the Veterinary Public Health Management program and the Faculty of Medicine’s Master of Public Health, the postgraduate program in Veterinary Public Health (VPH) is designed for students who are working full time and provides interaction between animal health professionals working in many parts of the world on a range of relevant issues.

Developed in response to an increasing need for national confidence in the management of animal and public health issues, the VPH program covers scientific and technical disciplines relevant to the prevention of animal disease outbreaks and the management of animal health. Especially tailored for those unable to visit the Sydney campus, the program allows you to develop advanced skills in veterinary epidemiology, biostatistics, advanced data analysis, animal health economics and a range of other related areas which will enable you to contribute to the public and economic health of society.

The VPH program is offered at graduate certificate, graduate diploma and master’s levels, allowing you to move between the levels in response to your changing professional or intellectual needs.

SYDNEY ADVANTAGE
World-class quality course materials are supplemented by access to a wide range of reputable experts in a collaborative online environment.

In this program, you will be inspired by core and elective unit material, develop a wide professional network and build contacts with like-minded professionals. Added to this, you will be accessing expertise from world leaders in the field, both within the University of Sydney and from other internationally renowned organisations. All this is done within a well-supported online learning environment, enabling you to fit study into your existing lifestyle and work responsibilities.

PROGRAM EXPECTATIONS
When you complete this program, you will be able to contribute your expertise to the prevention, detection and control of disease in a wide range of contexts. You will gain a thorough theoretical and applied understanding of specific areas within the program, including epidemiological principles, existing and emerging issues in animal health, zoonoses, food safety, animal health economics and policy development, examining the policy framework and changing context in which veterinary public health professionals operate.

MODE OF DELIVERY
This program is delivered completely by distance using collaborative online classrooms, facilitated by an expert in each subject area.

UNITS OF STUDY
Units include:
- Animal Health Data Management
- Animal Health Economics
- Animal Health Policy Development
- Aquatic Animal Epidemiology
- Data Analysis for Epidemiology Research
- Data Analysis for Policy Making
- Diagnostic Tests
- Food Safety
- Hazards to Human and Animal Health
- Introductory Biostatistics
- Risk Analysis
- Surveillance, Preparedness and Response
- Veterinary Epidemiology 1 and 2
- Wildlife Epidemiology.

For up to date information on units of study, please go to the faculty handbook:

ADMISSION REQUIREMENTS
Students in the program normally hold a veterinary or animal science qualification, although undergraduate degrees from a range of related fields that include studies in terrestrial animal health will be considered. Please contact us at vetvphmgmt@sydney.edu.au to seek advice if needed.

CREDIT FOR PREVIOUS STUDY
You can obtain credit for previous study under some circumstances. See our VPHMgt website for details.

ANNUAL INTAKE
There is no quota for this program, however class size limitations can apply. Normally, classes have a minimum of six and a maximum of 25.

AFTER GRADUATION
As a graduate of the program, you are on an excellent pathway to animal health careers that contribute to disease control, surveillance, biosecurity and research. Employment opportunities are available in diverse positions related to livestock, companion animals, wildlife or interacting with human health. Career opportunities can include government agencies at regional, state and national levels; industry agencies serving livestock producers, animal owners or wildlife carers; international agencies...
and non-government organisations serving human health and animal health and welfare; education and research institutions; and pharmaceutical and ancillary companies.

**ENQUIRIES**
We strongly encourage all potential applicants to contact us at vetvphmgt@sydney.edu.au. We are familiar with the range of issues you need to think about when considering starting postgraduate study and we will help you through the decision-making process.

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<tr>
<td>Master of Veterinary Public Health</td>
<td>COURSE</td>
<td>ACADEMIC REG: Bachelor’s degree in a relevant field. Admission is also possible on the basis of at least four years relevant work experience, with the dean’s permission. PROGRAM REG: 8 core and elective units of study, plus a research project, with a Weighted Average Mark (WAM) of 70 or more in the first 24 cp of study.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 6-8 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Veterinary Public Health</td>
<td>COURSE NF011</td>
<td>ACADEMIC REG: As above. PROGRAM REG: 8 core and elective units of study.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 4-6 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Veterinary Public Health</td>
<td>COURSE NG004</td>
<td>ACADEMIC REG: As above. PROGRAM REG: 7 core units of study.</td>
<td>IELTS 7.0 (6.5)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 2-4 sems (part-time only) ENTRY March or July</td>
</tr>
</tbody>
</table>

International students should note that, as a distance program, it is the expectation that you will study from your home country. Enrolment in this program will not make you eligible for a student visa to Australia.

ACADEMIC QUERIES Faculty of Veterinary Science, J.D. Stewart Building B01
P +61 2 9036 6364 F +61 2 9351 3056 E vetvphmgt@sydney.edu.au http://sydney.edu.au/vetscience/future_students/postgraduate/vph
OVERVIEW
The Master of Veterinary Public Health Management is an award-winning distance program that enhances the careers of busy animal health professionals located across Australia and the world. Developed in response to an increasing awareness of the need for national confidence in the management of animal and public health issues and the ability to influence national policy, this program combines technical competence in sciences that impact biosecurity and public health, with leadership and management skills. The Master of Veterinary Public Health Management (VPHMgt) suits you if you are already working in a veterinary public health field or if you are seeking a career change.

The program is offered at graduate certificate, graduate diploma and master levels enabling you to move between the levels as your professional and intellectual needs change. At graduate certificate level, core competencies are achieved in hazards to human and animal health, veterinary epidemiology, animal health economics, animal health policy development, leadership and project management. At graduate diploma level, advanced topics in veterinary epidemiology, data analysis and leadership are supplemented by elective units in a range of areas such as food safety, surveillance, risk analysis, data management, wildlife and aquatic epidemiology and diagnostic tests. As a master’s student, you will combine your research project with elective units. Students typically work full time and live in diverse locations - from far flung parts of Australia to countries such as USA, Canada, NZ, UK, Hong Kong and Singapore.

SYDNEY ADVANTAGE
World-class quality course materials are supplemented by access to a wide range of reputable experts in a collaborative online environment. In this program, you will be inspired by core and elective unit material, develop a wide professional network and build contacts with like-minded professionals. Added to this, you will be accessing expertise from world leaders in the field, both within the University of Sydney and from other internationally renowned organisations. All this is done within a well-supported online learning environment, enabling you to fit study into your existing lifestyle and work responsibilities.

PROGRAM EXPECTATIONS
When you complete this program, you will be able to contribute your expertise to the prevention, detection and control of disease in a wide range of contexts. You will gain a thorough theoretical and applied understanding of specific areas within the program, including epidemiological principles, existing and emerging issues in animal health, zoonoses, food safety, animal health economics and policy development, examining the policy framework and the changing context in which veterinary public health professionals operate.

MODE OF DELIVERY
The VPHMgt program is designed for busy professionals and is delivered primarily by distance, using collaborative online classrooms, facilitated by an expert in each subject area. As a VPHMgt student, you will also be attending up to three short Leadership and Management residentials (three to five days) on-campus at the University of Sydney.

GERALD HAUER
MASTER OF VETERINARY PUBLIC HEALTH MANAGEMENT

Gerald is the Chief Provincial Veterinarian with the Alberta Provincial Department of Agriculture and Food in Canada and a busy working professional juggling family, work and study commitments. “As the Chief Provincial Veterinarian, I need to interact with a lot of people both inside and outside of our organisation. I find that the knowledge gained in my master’s course helps me immensely. For example, I will be in a meeting discussing an animal disease program or a disease response strategy and a question or comment will be made that I am able to respond to quickly and accurately because of something covered in one of the courses. This is true on veterinary questions and also true on the management questions that involve leadership, project management, or other similar skills. The main benefit for me is that the material covered in many of the courses is directly related to my role as the Chief Provincial Veterinarian. By completing the program, I am convinced that it will allow me to be more competent at carrying out my duties. The main reason that I chose this course is that it was so applicable to my job.”
UNITS OF STUDY
Units include:
- Animal Health Data Management
- Animal Health Economics
- Animal Health Policy Development
- Aquatic Animal Epidemiology
- Data Analysis for Policy Making
- Data Analysis for Epidemiology Research
- Diagnostic Tests
- Food Safety
- Hazards to Human and Animal Health
- Leadership, People and Organisations
- Leadership Managing Change
- Leadership Skills
- Project Management
- Risk Analysis
- Surveillance, Preparedness and Response
- Veterinary Epidemiology 1 and 2
- Wildlife Epidemiology.

For up to date information on units of study, please go to the faculty handbook:

The VPHMgt program outline can be found at the link below:

ADMISSION REQUIREMENTS
Students in the program normally hold a veterinary or animal science qualification, although undergraduate degrees from a range of related fields that include studies in terrestrial animal health will be considered.

CREDIT FOR PREVIOUS STUDY
You can obtain credit for previous study under some circumstances. See our website for details:

ANNUAL INTAKE
There is no quota for this program, however class size limitations can apply. Normally, classes have a minimum of six and a maximum of 25.

AFTER GRADUATION
If you commenced the program to facilitate a career change you may start a new position or progress to a more advanced position within your field of work while you are still studying.

As a graduate of the program, you have taken the first step to an excellent path to animal health careers that contribute to disease control, surveillance, biosecurity and research. Employment opportunities are available in diverse positions related to livestock, companion animals, wildlife or interacting with human health. This degree will particularly equip you to influence the direction of animal health and welfare, and the organisations tasked with responsibility for it. Career opportunities can include government agencies at regional, state and national levels; industry agencies serving livestock producers or wildlife carers; international agencies and non-government organisations serving human health and animal health and welfare; education and research institutions; and pharmaceutical and ancillary companies.

ENQUIRIES
We strongly encourage all potential applicants to contact us at vetvphmgt@sydney.edu.au. We are familiar with the range of issues you need to think about when considering starting postgraduate study and we will help you through the decision-making process.

<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Veterinary Public Health Management</td>
<td>COURSE NC030</td>
<td>ACADEMIC REQ: Bachelor’s degree in a relevant field. PROGRAM REQ: 9 core and elective units of study plus a research project, with a WAM of 70 or more in the first 24 cp of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 6 - 8 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Veterinary Public Health Management</td>
<td>COURSE NF008</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 7 core and elective units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 4 - 6 sems (part-time only) ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Veterinary Public Health Management</td>
<td>COURSE NG000</td>
<td>ACADEMIC REQ: Bachelor’s degree in a relevant field. Admission is also possible on the basis of at least four years relevant work experience, with the dean’s permission. PROGRAM REQ: 6 core units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) DUR Between 2 - 4 sems (part-time only) ENTRY March or July</td>
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International students should note that, as a distance program, it is the expectation that you will study from your home country. Enrolment in this program will not make you eligible for a student visa to Australia.

ACADEMIC QUERIES
Faculty of Veterinary Science, J.D. Stewart Building B01, The University of Sydney NSW 2006
P +61 2 9036 6384 F +61 2 9351 3056 E vetvphmgt@sydney.edu.au http://sydney.edu.au/vetscience/publichealth_management
OVERVIEW
The Master of Veterinary Studies provides an opportunity to build the program you need, to support the career you want in animal related fields, and can be taken at graduate certificate, graduate diploma or master’s level. This flexible postgraduate coursework program in Veterinary Studies allows you to build a personally tailored program by selecting from the range of postgraduate units of study offered in the Faculty of Veterinary Science.

If you are unsure of the area in which you wish to study, please contact us and we will try to help you build a program that best suits your needs. Common pathways include:

– veterinary public health studies on campus for international students
– combination of veterinary public health and wildlife studies
– combination of animal science and veterinary epidemiology online.

SYDNEY ADVANTAGE
You will be studying at the oldest veterinary school in Australia, host to some of the world’s best animal researchers and outstanding and innovative postgraduate coursework programs. Units on offer give opportunities to develop practical skills, either at our city Camperdown campus or our rural Camden campus, while also giving students options for online learning that have won awards for excellence in distance programs.

You will have expert advice and individual support from program staff as you plan your highly flexible program of study. Throughout your degree you will receive ongoing support to deal with the specific issues faced by postgraduate students.

PROGRAM EXPECTATIONS
Veterinary Studies will allow you the opportunity to tailor a program to your career goals. It is expected that at graduate certificate level, you will successfully complete units of study that support the core skills you need in your career. At graduate diploma level you will explore higher-level aspects of your chosen field and gain skills to support further study, research and career progression in your chosen area. Master’s students will complete research in an animal-related field, to a publishable standard.

MODE OF DELIVERY
Because you are choosing from the full range of our units of study, it is possible to study either by distance, on campus, or a combination of both. If you have a need or preference for one or the other, be sure to look out for the mode of study in the lists of units of study. See our website for details, or talk to faculty staff, who are happy to help you.

Units of study that are designated as ‘supervised’ are subject to the availability of a suitable supervisor.

International students please note that you are only permitted to complete 25% of your course as online units.

ADMISSION REQUIREMENTS
You must have an undergraduate degree in a relevant field, such as animal science, veterinary science, agriculture or another science-based area.

UNITS OF STUDY
To browse a list of all units of study offered by the faculty, please visit: http://sydney.edu.au/handbooks/vet_sci/postgraduate/coursework/units_of_study.shtml

We always recommend contacting us to discuss your ambitions and your options.

AFTER GRADUATION
Your career is as unique as you are, which is why we have created this flexible program. We encourage you to talk to us about the type of work you would like to do in the future so we can help you tailor a program that will assist you in reaching your goals. Please note, however, that it is not possible to study at master’s level to become a veterinarian, nor do we offer training that assists international veterinarians to be registered in NSW.

After graduating you may work in genetics and biotechnology laboratories, government departments, policy, animal welfare and behaviour, a range of animal health industries, research or wildlife. Many of these areas of work will be available to both veterinary and non-veterinary animal health professionals.

ANNUAL INTAKE
There is no quota for this program, but admission is often dependent on the availability of a suitable research supervisor.

ENQUIRIES
We strongly encourage all potential applicants to contact us at vetscience.pgcinfo@sydney.edu.au. We are familiar with the range of issues you need to think about when considering starting postgraduate study and we will help you through the decision-making process.
<table>
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</tr>
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<tbody>
<tr>
<td>Master of Veterinary Studies</td>
<td>NC031 CRICOS 055413B</td>
<td>ACADEMIC REG: Bachelor’s degree in a relevant field, such as animal science, veterinary science, agriculture or science, or a bachelor degree with relevant work experience. Please note: this program will not train international veterinarians for registration in Australia. PROGRAM REG: 8 units of study and a research project.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) $740 per cp (onshore) DUR 2 sems ENTRY March or July</td>
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<tr>
<td>Graduate Diploma in Veterinary Studies</td>
<td>NF009 CRICOS 035414A</td>
<td>ACADEMIC REG: As above. PROGRAM REG: 6 units of study.</td>
<td>IELTS 7.0 (6.5) IBT 100 (24/22)</td>
<td>DOM $585 per cp INT $645 per cp (offshore) $740 per cp (onshore) DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Veterinary Studies</td>
<td>NG003</td>
<td>ACADEMIC REG: As above. PROGRAM REG: 4 units of study. Not available to international students</td>
<td></td>
<td>DOM $585 per cp DUR 1 sem ENTRY March or July</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Faculty of Veterinary Science, J.D. Stewart Building B01, The University of Sydney NSW 2006 P +61 2 9351 3056 F +61 2 9351 3011 E jann.merchant@sydney.edu.au http://sydney.edu.au/vetscience/future_students/postgraduate/veterinary_studies.shtml
MASTER OF SCIENCE IN WILDLIFE HEALTH & POPULATION MANAGEMENT

The Master of Science in Wildlife Health and Population Management is a unique combination of the veterinary and biological sciences, which emphasises the need for a multidisciplinary team approach in the development of wildlife management strategies.

OVERVIEW
The units of study in this program bring together the disciplines of animal health and wildlife population management, providing you with a coordinated approach to recognising and solving problems in both wild and captive populations. This program would suit you if you are interested in expanding your knowledge of wildlife conservation to include wildlife health and population management, particularly if you are:

– a recent graduate in science or veterinary science
– a practising veterinarian
– an officer in a local, state and federal government agency involved in environmental science, environmental management or natural resource management who wishes to extend your knowledge to wildlife health and the management of native and pest animal species
– an environmental consultant.

SYDNEY ADVANTAGE
This program is unique in providing an interdisciplinary understanding encompassing study from both the faculties of science and veterinary science. You will be exposed to a large pool of world-class researchers and teachers available in the Sydney region. Most field work in the program will be conducted at the University’s 7800 hectare property Arthursleigh, located near Marulan in NSW. This will involve periods from several days to a week, using accommodation on the property. Some units are conducted in Royal National Parks and Western Plains Zoo in Dubbo.

PROGRAM EXPECTATIONS
After studying the program you should expect to have:

– scientific skills to detect and diagnose health and other problems in wildlife populations
– an integrated understanding of animal health and management
– a conceptual understanding of issues in conservation and pest management
– practical application of field and laboratory methods
– an appreciation of ethical issues in wildlife studies, with emphasis on animal welfare
– a detailed understanding of the ecology and status of Australian wildlife
– experience relevant for employment in government and non-government agencies and private industry.

MODE OF DELIVERY
Each wildlife unit of study has a one week full-time component on site, with the remainder of the unit involving the use of assessed projects that are carried out in your own time. Research projects are tailored to address important ecological and environmental issues.

You take core and optional units of study that comprise different combinations of lectures, seminars, tutorials, field trips and/or practical sessions, and private study. Training involves study of the theoretical background of topics in wildlife health and population management, as well as obtaining hands-on skills in sampling field populations and diagnosing management problems. Emphasis is placed on using scientific methodology in all aspects of wildlife investigations.

NON-DEGREE OPTIONS
You can take individual units as a non-degree student and get recognition of your successful completion of units through a certificate of attainment awarded by the Faculty of Science. Units completed can later be credited to the award qualifications.

UNITS OF STUDY
For an up to date list of units of study, please visit: http://sydney.edu.au/science/biology/wild/

AFTER GRADUATION
After successfully completing this program, you can be employed in government and non-government conservation agencies, or any other agency with natural resource management responsibilities. Other potential employment opportunities would be curatorial positions in zoos and wildlife parks, in game farming enterprises, in ecotourism operations and in environmental consultancies. Or you may wish to undertake further research and complete a PhD.

ANNUAL INTAKE
There is no quota for this program.
<table>
<thead>
<tr>
<th>COURSE NAME</th>
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</thead>
<tbody>
<tr>
<td>Master of Science in Wildlife Health and Population Management</td>
<td>COURSE LC062 CRICOS 074190K</td>
<td>ACADEMIC REQ: Bachelor’s degree in science, veterinary science or equivalent. Contact the faculty for instructions. PROGRAM REQ: 8 units of study including a supervised research project.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $620 per cp INT $16,680 per sem DUR 2 sems ENTRY March</td>
</tr>
<tr>
<td>Graduate Diploma in Wildlife Health and Population Management</td>
<td>COURSE LF050 CRICOS 074189C</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 6 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $620 per cp INT $16,680 per sem DUR 2 sems ENTRY March</td>
</tr>
<tr>
<td>Graduate Certificate in Wildlife Health and Population Management</td>
<td>COURSE LG034 CRICOS 074188D</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $620 per cp INT $16,680 per sem DUR 1 sem ENTRY March</td>
</tr>
</tbody>
</table>

ACADEMIC QUERIES Dr Mathew Crowther, Postgraduate Coordinator, Institute of Wildlife Research, Heydon Laurence Building A08 P +61 2 9351 7661 E mathew.crowther@sydney.edu.au http://sydney.edu.au/science/biology/wild
Associate Professor David N. Phalen, Director, Wildlife Health and Conservation Centre, Camden P +61 2 9036 7757 E david.phalen@sydney.edu.au

“I am piloting a study into the intrastate translocation of koalas into areas where, until recently, they have been presumed extinct.”

MELISSA FARRELLY
MASTER OF SCIENCE IN WILDLIFE HEALTH AND POPULATION MANAGEMENT GRADUATE
IMPORTANT FEE INFORMATION
INT: International student fees
DOM: Domestic student fees
DUR: Duration of program
ENTRY: Month in which study can begin
  -- Full time study requires enrolment in 24 credit points of study per semester.
  -- All fees stated in this booklet are in Australian dollars.
  -- All fees stated in this booklet for both domestic and international applicants are subject to change.

All fees stated in this booklet do not include additional program costs such as text books or additional programs/equipment.

The University’s tuition fees are reviewed annually and may be varied during the period of study. The exact tuition fee for your program may also depend on the specific units of study in which you enrol.

ENGLISH LANGUAGE REQUIREMENTS
If English is not your first language you must demonstrate English language proficiency before admission can be confirmed. If the language of instruction of a prior degree was English, proof of language of instruction may be required.

Unless otherwise stated the following are the acceptable English language qualifications for the faculties of agriculture, food and natural resources; science; and veterinary science (please see individual program pages for specific English requirements):

-- Academic IELTS: overall band score of 6.5 or better with no band below 6.0
-- TOEFL: 577 or better plus Test of Written English (TWE) at 4.5+
-- IBT (Internet-based TOEFL): overall score of 90 with a writing section minimum of 23 and no other band below 22
-- Cambridge Certificate of Proficiency in English: Grades A or B
-- CULT: 75 or better with a minimum of 17.5 in each skill.

Scores over two years old will not be accepted. If you are taking TOEFL, your results must be sent directly to the University of Sydney from TOEFL/TSE Services at Princeton USA and the TWE must also be taken.

If you do not hold any acceptable language qualifications, you can take courses in English for Academic Purposes at the Centre for English Teaching (CET). Please check their website for details:
http://sydney.edu.au/cet

IELTS: Number in brackets is the minimum score for all bands. TOEFL: First number: paper-based test, Second number: computer-based test; Third number: Test of Written English. IBT: First number in brackets: written exam, Second number in brackets: all other scores.
THE UNIVERSITY OF SYDNEY
Founded in 1850, the University of Sydney was Australia’s first university and has built an international reputation for excellence over the past 160 years. It is one of Australia’s leading educational institutions, playing a key role as a member of both the Group of Eight (G08) and the Association of Pacific Rim Universities (APRU). The University consistently demonstrates its research dominance by employing 14 of the 49 holders of Federation Fellowships, and by annually securing substantial funding from the Australian Research Council (ARC). The University of Sydney also receives strong support in the form of grants from the National Health and Medical Research Council (NHMRC) with which it has close ties. For further information, please visit: http://sydney.edu.au