

# PD-ANSCMAN Postgraduate Diploma in Animal Science and Management

<b>Year and Campus:</b>	2011 - Parkville
<b>CRICOS Code:</b>	064716A
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Level:</b>	Graduate/Postgraduate
<b>Duration &amp; Credit Points:</b>	100 credit points taken over 12 months full time. This course is available as full or part time.
<b>Coordinator:</b>	Dr Ian Bland
<b>Contact:</b>	<p><b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land &amp; Food Resources (building 142)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (<a href="mailto:13MELB@unimelb.edu.au">mailto:13MELB@unimelb.edu.au</a>)</p>
<b>Course Overview:</b>	<p>Candidates will graduate with an excellent understanding of the many factors underpinning animal systems and an awareness of methods for sustainable food and fibre production and their markets. The aims of the Postgraduate Diploma in Animal Science and Management are to further develop an understanding of the biology of domestic and captive animals, their care, management and use as a resource for food, fibre, recreation and companionship. to develop an in-depth knowledge of the biology of animals, the complexities of the ethical and moral issues encompassing care, management and use as a resource will be examined in light of advances in human endeavour. The postgraduate diploma will allow a degree of specialisation based around analysis of animal systems management of a chosen species or classification of animals. The course design comprises theory and technology applications, with a focus on improving current cropping and animal production systems for increased product yields and qualities within Australian and International environments.</p> <p>The Postgraduate Diploma in Animal Science and Management also comprises many existing and novel emerging areas in the animal and associated sciences, aimed to create opportunities for advances in the manipulation of biological systems for increased productivity. The scientific tools and advances are evolving fast and are being directly applied to food and fibre industries worldwide.</p>
<b>Objectives:</b>	<p>The objectives of this course are to:</p> <ul style="list-style-type: none"> <li># enable students to explore the interdisciplinary nature of animal science at an advanced level</li> <li># provide students with a sound foundation in the scientific principles and analytical skills behind improved animal systems (farm and companion animals) and their sustainability</li> <li># introduce the student to advanced research topics and practical applications within the disciplines of animal science</li> <li># develop competence in the design, conduct and analysis of experimental work</li> <li># introduce students to industrial applications of animal science and the commercial outcomes</li> <li># develop a critical understanding of environmental, economic, social and ethical factors related to animal-derived food and fibre production in Australia and globally.</li> </ul>
<b>Course Structure &amp; Available Subjects:</b>	<p>The Postgraduate Diploma in Animal Science and Management consists of 100 credit points of study at level 400 and above and may be undertaken as either full time study over one year or part-time study over two years and will be delivered at the Parkville campus. International students may only enrol in the course on a full-time basis. The program comprises up to eight coursework subjects (12.5 points each), four core subjects and four other subjects. The core subjects include three non-cognate subjects in semester 1 and one cognate subject in semester 2. Students may undertake either two or four elective subjects, dependent on the choice of the Research Project A (25 points) subject.</p>
<b>Subject Options:</b>	<b>Postgraduate Diploma in Animal Science and Management</b>

The course consists of up to eight coursework subjects (12.5 points each), four core subjects and four other subjects. The core subjects include three non-cognate subjects in semester 1 and one cognate subject in semester 2. Students may undertake either two or four elective subjects, dependent on whether they choose to complete Research Project A (25 points).

### Core Subjects

Students **MUST** complete both of these subjects

Subject	Study Period Commencement:	Credit Points:
DASC40003 Special Studies in Animal Science	Year Long	12.50
DASC40001 Advanced Animal Management Systems	Semester 1	12.50

### Core Selective Subjects - Group 1

Students **MUST** complete one of the following two subjects:

Subject	Study Period Commencement:	Credit Points:
MAST90008 Research Philosophies & Statistics	Semester 1	12.50
NRMT90003 Social Research Methods	March	12.50

### Core Selective Subjects - Group 2

Students **MUST** complete one of the following two subjects:

Subject	Study Period Commencement:	Credit Points:
AGRI90064 Project A	Not offered 2011	25
AGRI90070 Project A	Year Long	25

### Elective subjects

Subject	Study Period Commencement:	Credit Points:
DASC90006 Animal Feed Science	Not offered 2011	12.50
DASC90005 Animal Metabolism & Nutrition	Not offered 2011	12.50
DASC90007 Stress Physiology	March	12.50
208-407 Genetics and Animal Breeding	Not offered 2010	

Students may apply to take appropriate postgraduate diploma level subjects as electives from other programs in the Melbourne School of Land and Environment subject to approval from the Course Coordinator, Associate Dean (Teaching and Learning). Electives may also be take from other faculties with approval from the home faculty of the elective.

#### Entry Requirements:

- i. The Selection Committee will evaluate the applicant's ability to successfully pursue the course using the following criteria:
  - # An honours degree or equivalent qualification. Or
  - # Undergraduate tertiary qualification with a weighted average of 65% or better in the final year of study. Or
  - # Successful completion of a Graduate / Postgraduate Diploma with a weighted average of 65% or better.
- ii. Completion of an Honours program or a Postgraduate Diploma in Animal Science and Management (or equivalent) will give an advanced standing of 100 points into the Master of Animal Science.
- iii. The course is primarily designed for students with a science-based background with biology and/or chemistry. The Selection Committee may conduct interviews and tests and call for referee reports and employer references to elucidate any of the matters referred to above.

#### Core Participation Requirements:

The Melbourne School of Land and Environment (MSLE) welcomes applications from students with disabilities. It is University and School policy to take reasonable steps to make reasonable adjustments so as to enable the student's participation in the School's programs.

	<p>MSLE contributes to the New Generation degrees and offers a broad range of programs across undergraduate and post-graduate levels many of which adopt a multi-disciplinary approach. Students of the School's courses must possess intellectual, ethical, and emotional capabilities required to participate in the full curriculum and to achieve the levels of competence required by the School. Candidates must have abilities and skills in observation; motor in relevant areas; communication; in conceptual, integrative, and quantitative dimensions; and in behavioural and social dimensions. Adjustments can be provided to minimise the impact of a disability, however students need to be able to participate in the program in an independent manner and with regard to their safety and the safety of others.</p> <p>I. Observation: In some contexts, the student must be able to observe demonstrations and experiments in the basic and applied sciences. More broadly, observation requires reading text, diagrams, maps, drawings and numerical data. The candidate should be able to observe details at a number of scales and record useful observations in discipline dependant contexts.</p> <p>II. Communication: A candidate should be able to communicate with fellow students, professional and academic staff, members of relevant professions and the public. A candidate must be able to communicate effectively and sensitively. Communication includes not only speech but also reading and writing.</p> <p>III. Motor: Candidates should have sufficient motor function necessary for participation in the inherent discipline-related activities. The practical work, design work, field work, diagnostic procedures, laboratory tests, require varying motor movement abilities. Off campus investigations may include visits to construction sites, urban, rural and/or remote environments.</p> <p>IV. Intellectual-Conceptual, Integrative and Quantitative Abilities: These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving, the critical skill demanded of professionals in land and environment industries, requires all of these intellectual abilities. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.</p> <p>V. Behavioural and Social Attributes: A candidate must possess behavioural and social attributes that enable them to participate in a complex learning environment. Students are required to take responsibility for their own participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. Students who feel their disability will prevent them from meeting the above academic requirements are encouraged to contact the Disability Liaison Unit.</p>
<b>Further Study:</b>	Continuation to the degree of Master of Animal Science.
<b>Graduate Attributes:</b>	The graduates from the Postgraduate Degree in Animal Science and Management will have achieved academic excellence in their chosen field(s) of study. They will possess in-depth knowledge in those fields(s) and have been equipped with all necessary tools and skills to become leaders at both national and global levels.