PD-ANIMSC Postgraduate Diploma in Animal Science

Year and Campus:	2014
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	100 credit points taken over 12 months
Coordinator:	Dr Ian Bland
Contact:	**Melbourne School of Land & Environment Student Centre** Ground Floor, Melbourne School of Land and Environment (building 142) *Current Student Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)** **Future Student Enquiries (https://nexus.unimelb.edu.au/NexusEnquiryForm.aspx?f=16755909770&m=573578&l=0&programcode=K07&sub=RE:%20RE:%20Animal%20Science&enquirytype=2)**
Course Overview:	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 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. The Postgraduate Diploma in Animal Science 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.
Learning Outcomes:	The objectives of this course are to: # enable students to explore the interdisciplinary nature of animal science at an advanced level # provide students with a sound foundation in the scientific principles and analytical skills behind improved animal systems (farm and companion animals) and their sustainability # introduce the student to advanced research topics and practical applications within the disciplines of animal science # develop competence in the design, conduct and analysis of experimental work # introduce students to industrial applications of animal science and the commercial outcomes # develop a critical understanding of environmental, economic, social and ethical factors related to animal-derived food and fibre production in Australia and globally.
Course Structure & Available Subjects:	The Postgraduate Diploma in Animal Science consists of 100 credit points of study 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 of six core subjects and two electives (all 12.5 credits each).
Subject Options:	**Postgraduate Diploma in Animal Science** The course consists of six (75 points) core subjects and two (25 points) elective subjects.

Subject	Study Period Commencement:	Credit Points:

DASC90008 Monogastric Science	March	12.50
DASC90007 Stress Physiology	April	12.50
DASC90010 Dairy Systems	September	12.50
DASC90006 Nutrition and Feed Science	October	12.50
FOOD90024 Securing Sufficient and Healthy Food	Semester 2	12.50
AGRI90057 Climate Change:Agric.Impacts&Adaptation	June, September	12.50

Electives

Students must complete two (25 points) from the following list of elective subjects:

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

Subject	Study Period Commencement:	Credit Points:
AGRI90013 Financial Management for Agribusiness	September	12.50
AGRI90012 Agribusiness Management Economics	April	12.50
DASC90012 Animal Welfare	Not offered 2014	12.50
DASC90009 Behaviour of Farm & Companion Animals	May	12.50
NRMT90019 Business Strategy	February	12.50
FOOD90012 Current Issues in Dairy Science	Semester 1	12.50
DASC90011 Genetics and Animal Breeding	August	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
MGMT90018 Psychology of HR Practice	Semester 1, Semester 2	12.50
NRMT90018 Human Resource Management	April	12.50
NRMT90017 Leadership	February	12.50
NRMT90002 Management of Plant and Animal Invasions	Semester 2	12.50
AGRI90014 Managing Markets	June	12.50
FOOD90010 Meat and Meat ProductsTechnology	Semester 2	12.50
AGRI90017 Operations and Decision-making	Not offered 2014	12.50
NRMT90021 Project Management	June	12.50
AGRI90075 Research Methods For Life Sciences	Semester 1	12.50
MAST90008 Research Philosophies & Statistics	Semester 1	12.50
NRMT90003 Social Research Methods	Semester 1	12.50
FOOD90011 Food Biotechnology	Semester 1	12.50
FOOD90025 Health Aspects in Functional Foods	Semester 2	12.50
FOOD90026 The Politics of Food	Semester 1, Semester 2	12.50
FOOD90027 Nutrition Politics and Policy	Semester 2	12.50

DASC90013 Adv Reproduction & Breeding Technology	Not offered 2014	12.50
FOOD90028 Sensory Analysis and Practice	February	12.50

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. 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. 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. 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. 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. 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. 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. 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.

Further Study:

Continuation to the degree of Master of Animal Science.

Graduate Attributes:

The graduates from the Postgraduate Degree in Animal Science 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.

Links to further information:

http://www.land-environment.unimelb.edu.au/animalscience/

Notes:	Completion of a Postgraduate Diploma in Animal Science (or equivalent) will give an advanced standing of up to 100 points into the Master of Animal Science.