

Animal Science and Management

Year and Campus:	2016								
Coordinator:	Ms Ros Gall								
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Overview:	<p>The major in Animal Science and Management replaces the existing BS (Hons) Animal Science and Management offered by the Faculty of Veterinary and Agricultural Sciences. The aims of the major are to 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 major will allow a degree of specialisation based around analysis of animal systems management of a chosen species or classification of animals. Greater knowledge, if so desired, of economic, business, communications or natural resource management relevant to, and strengthening the core studies in Animal Science and Management can be developed through clear pathways within the breadth component of the Melbourne model. Graduates from the new programme will be able to enter careers in the public or private sectors related to a wide range of animal production, environmental, biomedical and service industries, and community organisations concerned with public good, or continue into postgraduate programmes of study at masters or research higher degree.</p>								
Learning Outcomes:	<p><i>Animal Science & Management Major Graduates should demonstrate:</i></p> <ul style="list-style-type: none"> # A broad knowledge of animal science and the interactions between factors fundamental to animal production and management # Capacity for scientific reasoning, problem solving and research skills to enable data collection, investigation and application of the key scientific processes and technologies related to animal science and management # Capacity to integrate, synthesise and apply prior learning from the course to real world problems # Appreciation of the need for multidisciplinary and systems based approach to problem solving # Ability to communicate scientific, technical and management concepts to diverse audiences with differing cultural backgrounds # Capacity to evaluate the major challenges impacting on animal production and management such as ethics, climate change, plants, food security, human factors, risk and market forces, energy and water use and the role of animal science in addressing these challenges # That they can demonstrate and apply scientific and technical knowledge relevant to animal science businesses # Display of professional values and an ability to work with people of diverse cultures and backgrounds # Ability to work both independently and as part of a team, giving and receiving feedback # Both creative and reflective thinking skills 								
Structure & Available Subjects:	Completion of 50 points of study at Level 3.								
Subject Options:	Core subject								
	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>DASC30013 Animal Systems Analysis</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	DASC30013 Animal Systems Analysis	Semester 2	12.50
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	Plus three electives selected from								
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DASC30015 Animal Welfare and Ethics	Semester 2	12.50							

	DASC30005 Applied Animal Behaviour	Semester 1	12.50
	AGRI30030 Livestock Production Systems	Semester 1	12.50
	DASC30006 Applied Animal Reproduction & Genetics	Semester 1	12.50
	AGRI30029 Ecology & Management of Grazing Systems	Semester 2	12.50
	VETS30011 Animal Disease Biotechnology 1	Semester 1	12.50
	VETS30012 Animal Disease Biotechnology 2	Semester 2	12.50
Links to further information:	http://fvas.unimelb.edu.au/study/courses		
Notes:	<p>The major in Animal Science and Management major was previously known as the major in Domestic Animal Science (prior to 2011).</p> <p>This major has been modified from 2010 to 2011 with the removal of specific specialisations. Students who commenced the major prior to 2011 intending to complete a specific specialisation will not be disadvantaged as the specialisation within a major is not recorded on a student's Academic Transcript.</p>		
Related Course(s):	Bachelor of Science		