

## DASC90008 Monogastric Science

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: March, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 72 hours Total Time Commitment: Estimated total time commitment (including non-contact time): 130 hours
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. This course requires all students to enrol in subjects where they must actively and safely contribute to laboratory activities. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit (8344 7068 or DLU-enquiries@unimelb.edu.au ). Health requirements Q Fever Students enrolling in the Melbourne School of Land and Environment are advised that some courses of study may put them at an increased risk of contracting Q Fever. Q Fever is a relatively common preventable condition which, while rarely fatal, can cause a severe acute illness and can result in damage to heart valves and chronic fatigue. It is recommended that students consider undertaking screening and vaccination for Q Fever prior to commencement of study. Students may be required to provide proof of vaccination prior to undertaking some coursework. Your course coordinator will advise you of this requirement prior to commencement of the study semester. Vaccine costs for students are not covered by the Pharmaceutical Benefit Scheme, Medicare, or by the University. Some students with full private medical coverage (which has hospital and ancillary cover) may receive partial re-imbursment for vaccine costs.
<b>Coordinator:</b>	Dr Ian Bland
<b>Contact:</b>	<b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land & Food Resources (building 142) <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (mailto:13MELB@unimelb.edu.au)
<b>Subject Overview:</b>	This subject will examine agricultural systems of monogastric animal production before focusing on the developments in production, reproduction and product quality that are improving the industry. Topics examined include: # size, distribution and value of the pig, poultry and other intensive animal industries # breed selection and genetic improvement in intensive animal production # practical feeding of breeding and growing animals # optimisation of reproductive output # environmental effects and the use of buildings in intensive animal production # management regimes to maintain animal health # maximisation of product output and quality # analysis of production systems and consideration of alternatives

	# marketing and markets.
<b>Objectives:</b>	The objective of this subject is to extend the participant's ability to: <ol style="list-style-type: none"> <li>1. Understand new approaches to the management of monogastric farm species</li> <li>2. Identify and develop strategies to manage the optimization of reproductive output of selected monogastric species</li> <li>3. Identify G x E interactions especially concerned with neonatal nutrition and management</li> </ol>
<b>Assessment:</b>	1 essay - 3000 words (30% of assessment); presentation and seminar (20% assessment); 3 hour examination (50% of assessment).
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>Generic Skills:</b>	Students completing this subject will gain generic skills in: <ul style="list-style-type: none"> <li># Advanced skills in the study, measurement and analysis of monogastric management systems</li> <li># advanced skills to be able to offer advice on reproductive, social, feeding and other behavioural disorders of monogastric species managed in intensive production systems.</li> </ul>
<b>Related Course(s):</b>	Master of Agricultural Science Master of Animal Science Postgraduate Diploma in Agricultural Science Postgraduate Diploma in Animal Science and Management
<b>Related Majors/Minors/ Specialisations:</b>	Honours Program - Agricultural Science Honours Program - Animal Science and Management