208-325 Applied Animal Reproduction

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four lectures; six hours tutorials; 18 hours practical work to be undertaken at Parkville and Werribee Total Time Commitment: Not available
Prerequisites:	202-103 Biology for Land and Food Resources or 650-141 Biology of Cells and Organisms; 208-202 Animal Physiology.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. 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. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Ms Tina Chamberlain
Subject Overview:	The aim of this subject is to give students of animal science and management the fundamentals of applied reproductive biology and to develop the skills necessary for the management of reproductive performance of domestic animals. The content includes comparative structure and function of male and female reproductive organs; endocrinology and neuro-endocrinology of reproductive cycles; mating, fertilisation, pregnancy, parturition and lactation; environmental control of reproduction, nutrition-reproduction interactions, seasonality, and stress and behaviour; use of exogenous hormones to manipulate reproduction; reproductive biotechnologies including embryo transfer; and manipulating male reproduction. On completion of this subject students should: # understand the comparative structure and function of male and female reproductive systems; # understand the endocrine and neuroendocrine control of reproductive cycles; # understand factors affecting reproduction and reproductive potential, and the importance of appropriate management of domestic animals for optimising reproductive performance; and # understand, and be able to apply, techniques, including new and emerging technologies, for modifying reproductive performance.
Assessment:	One problem-based learning project with assessment (15% of final marks), laboratory work, worksheets and up to three written practical report of not more than 1000 words each (35%), one written essay or short-answer style examination of up to 3 hours (50% of final marks).
Prescribed Texts:	None
Recommended Texts:	# **Essential Reproduction** (M H Johnson and B J Everitt), 5th edn, Blackwells

Breadth Options:	This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008. This subject or an equivalent will be available as breadth in the future. Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Information Not Available
Notes:	*This subject involves the use of animals. Students should be aware that this is an essential part of the subject and exemption from this component is not possible.* *Credit cannot be gained for 208-325 and any of 654-314 (pre 2005), 654-324 and 654-304.*
Related Course(s):	Bachelor of Animal Science and Management