DASC30006 Applied Animal Reproduction

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - 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; and 208-202 Animal Physiology or 200264 Applied Animal Physiology or 654-218 Comparative Animal Physiology
Corequisites:	None
Recommended Background Knowledge:	Recommended Background Knowledge:

Subject	Study Period Commencement:	Credit Points:
DASC20012 Comparative Nutrition and Digestion	Semester 1	12.50
DASC20011 Companion Animal Biology	Semester 1	12.50
DASC20013 Topics in Animal Health	Semester 2	12.50
ECOL20003 Ecology	Semester 2	12.50

Non Allowed Subjects:

654-314 (pre 2005)

and,

Subject	Study Period Commencement:	Credit Points:
ECOL30006 Ecology in Changing Environments	Semester 1	12.50
BIOL30001 Reproduction	Semester 2	12.50

Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Ms Tina Chamberlain
Contact:	Email: **tcham@unimelb.edu.au (mailto:tcham@unimelb.edu.au)** Phone: 8344 5527 MSLE Student Centre Email: **msle-ugrad@unimelb.edu.au (mailto:msle-ugrad@unimelb.edu.au)** Phone: 8344 0276

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.
Objectives:	Information Not Available
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:	Information Not Available
Recommended Texts:	# **Essential Reproduction** (M H Johnson and B J Everitt), 5th edn, Blackwells
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2010/B-ARTS)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/B-MUS)** You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
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 Agriculture Bachelor of Science
Related Majors/Minors/ Specialisations:	Animal Disease Biotechnology Animal Science Livestock Production