208-202 Animal Physiology

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four hours lectures, 36 hours practicals Total Time Commitment: Not available
Prerequisites:	202-103 Biology for Land and Food Resources or 650-141 Biology of Cells and Organisms.
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:	Dr Brian Leury
Subject Overview:	On completion of the program students should have: # the working knowledge of structure and normal physiological function of domestic animals; # the terminology and basic principles of structure and function in animals; # functions of different cell types and their interactions in organs and Âtissues; # mechanisms by which organ systems are controlled and functions Âcoordinated; # the physiology of the nervous system, of digestion, circulation, respiration, and excretion; # the processes of growth, reproduction and lactation; and # differences in animal performance relating to physiological factors. The content of the subject includes: # cell physiology, molecules and membranes; # nervous system and information transfer; # muscle function; # lymphocytes and the immune system; # physiology of cardiovascular, gastro-intestinal, renal, respiratory and reproductive systems; # endocrine system; and # lactation; growth and development.

Assessment:	Three-hour examination (70%), practical and tutorial work submitted during the semester, equivalent to 3000 words (30%).
Prescribed Texts:	None
Recommended Texts:	# **Animal Physiology from Genes to Organisms** (Sherwood, Klandorf and Yancey), 1st edn, 2005
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 in experiments. Students should be aware that these experiments are an essential part of the course and exemption from this component is not possible.
Related Course(s):	Bachelor of Agricultural Science Bachelor of Agricultural Science Bachelor of Animal Science and Management Bachelor of Food Science