DASC20010 Applied Animal Physiology

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 72 hours Total Time Commitment: Contact hours 72. Estimated total time commitment (including non-contact time): 120 hours
Prerequisites:	Biology at 100 level.
Corequisites:	Nil
Recommended Background Knowledge:	Nil
Non Allowed Subjects:	Nil
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:	Assoc Prof Brian Leury
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Subject Overview:	Physiology is the integrative study of the control of normal body function. This subject will examine the functions of different cell types and their interactions in organs and tissues; mechanisms by which organs are controlled and their functions are regulated; thermoregulatory processes and fluid balance; they physiology of the nervous system, of digestion, circulation, respiration, and excretion; the processes of growth and development, reproduction and lactation, and factors that can be manipulated to alter animal performance under normal conditions.
Objectives:	On completion of this subject students should be aware: # 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 tissues # mechanisms by which organ systems are controlled and functions coordinated # 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.
Assessment:	Three hour examination (70%), practical and tutorial work submitted during the semester, equivalent to 3000 words (30%).
Prescribed Texts:	Information Not Available
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 Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM)** # **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
Generic Skills:	On completion of the subject the students should have developed the following generic skills: Academic excellence, greater in-depth understanding of scientific disciplines and of the practical and ethical aspects of working in animal physiology. The student's flexibility and level of transferable skills should be enhanced through improved time management and enhanced ability to communicate their ideas effectively in both written and verbal formats.
Notes:	This subject is available for science credit to students enrolled in the BSc (new degree only).
Related Course(s):	Bachelor of Agriculture Bachelor of Science