

DASC90007 Stress Physiology

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: March, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 48 Total Time Commitment: 120 hours
Prerequisites:	There are no prerequisites for this subject.
Corequisites:	There are no corequisites for this subject.
Recommended Background Knowledge:	There is no recommended background knowledge for this subject.
Non Allowed Subjects:	There are no non-allowed subjects.
Core Participation Requirements:	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-imbusement for vaccine costs.
Coordinator:	Prof Frank Dunshea
Contact:	Postgraduate Office, Melbourne School of Land and Environment, The University of Melbourne, Phone: +61 3 8344 7834, Email: msle-pgcoursework@unimelb.edu.au (mailto:msle-pgcoursework@unimelb.edu.au)
Subject Overview:	The aim of this subject is to enable students to undertake advanced study in the area of stress physiology in domestic and companion animals. The major focus will be on the interaction between physiological state and the environment and the consequences for animal performance and production. Specific emphasis will be on developing skills in monitoring physiological stress and being able to manage the environment for improved animal performance and production. The content will cover contemporary issues related physiological and metabolic adaptations in response to stress during growth, pregnancy and lactation and will include physical, psychological and nutritional factors; energy and water balance and thermoregulation; and management of the environment including aspects of housing.
Objectives:	The objectives of this subject are to: 1. Evaluate the major interactions between physiological state and the environment 2. Identify and develop skills and techniques in monitoring stress responses
Assessment:	3 hours examination (50% assessment); 2 x 2500 word essays (25% each)

Prescribed Texts:	none
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>On completion of this subject, students should have developed the following generic skills: academic excellence; greater in-depth understanding of scientific disciplines of stress physiology.</p> <p>The study will develop; critical thinking and analysis; and problem-solving.</p> <p>Flexibility and level of transferable skills should be enhanced through improved ability to communicate ideas effectively in both written and verbal formats.</p>
Related Course(s):	Master of Animal Science Postgraduate Diploma in Animal Science and Management