DASC10003 Animal Systems

Credit Points:	12.50
Level:	1 (Undergraduate)
Dates & Locations:	This subject is not offered in 2013. Delivered on campus at Dookie
Time Commitment:	Contact Hours: 120 hours Total Time Commitment: 36 hours of practicals and 24 hours of Lectures (120 Hours total commitment)
Prerequisites:	None
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
Contact:	Ms Ros Gall Dookie Campus Phone: +61 3 5833 9200 **msle-sc@unimelb.edu.au (mailto:msle-sc@unimelb.edu.au)**
Subject Overview:	This subject provides students with a sound knowledge base for decision making in relation to the management of health, nutrition and breeding programs of animals. Students will be introduced to integrated animal systems and the inter-relation of nutrition, health, genotype and environment, general anatomical organization and physiological function of animals, major body systems and their functions with emphasis on the digestive and reproductive systems; nutritional requirements of animals for maintenance and production, stages of growth and development from conception to maturity; reproductive management of animals for optimum fertility, new technology in animal breeding; the nature of animal diseases, immunity and its development; common causes of disease in animals, and animal behaviour, genetic and environmental influences, welfare issues affecting the production and management of animals. The subject will focus on the ruminant species but students will be given the opportunity to develop knowledge of other farmed species.
Objectives:	This subject introduces student to knowledge in # Animal products: factors influencing quality of meat, wool, dairy products; # Nutritional requirements of farm animals for maintenance and production stages of livestock growth and development from conception to maturity, matching feeds to animal requirements, ration formulation, intensive feeding systems # Reproduction: enhancement of fertility and challenges to fertility in modern production systems # Animal improvement: economically important traits and their inheritance, breeding programs; genetic modification in animal production # Common causes of disease and planning health programs # Animal behaviour, genetic and environmental influences, welfare issues # General livestock marketing # Basic techniques in handling and working with animals

Assessment:	1.5 hour mid-semester test2000 word assignment2 hour end of semester examination
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:	This subject encompasses particular generic skills so that on completion of the subject students should have developed skills relating to: # The use of electronic forms of communication; # Greater in-depth understanding of scientific disciplines and the practical and ethical aspects of working in the nutrition industry # The student's flexibility and level of transferable skills should be enhanced through improved time management # Working collaboratively with other students; and # Enhanced ability to communicate their ideas effectively in both written and verbal formats. # Accessing information from the library via both electronic and traditional means; # Problem solving and critical thinking
Related Course(s):	Diploma in General Studies