DASC30013 Animal Systems Analysis

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2014.
Time Commitment:	Contact Hours: two 2-hour lectures per week & four all-day field trips throughout the semester Total Time Commitment: 120 hours
Prerequisites:	A physiology subject at 200 level such as:

Subject	Study Period Commencement:	Credit Points:
DASC20010 Applied Animal Physiology	Semester 2	12.50

Corequisites:	None
Recommended Background Knowledge:	Recommended Background Knowledge:

Subject	Study Period Commencement:	Credit Points:
DASC20012 Comparative Nutrition and Digestion	Semester 1	12.50
DASC20010 Applied Animal Physiology	Semester 2	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:

Subject	Study Period Commencement:	Credit Points:
AGRI30003 Agricultural Systems Analysis	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/
Contact:	**Melbourne School of Land & Environment Student Centre** Ground Floor, Melbourne School of Land & Environment (building 142) *Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)**
Subject Overview:	Success in animal enterprises and systems is a result of interdisciplinary interactions between animal, plant, climatic, human, risk and market factors. This subject aims to develop the skills required to analyse these interactions and support decision-making in animal enterprises. The subject is taught using problem-based learning by doing. Students will conduct system management case study analyses during the semester, and submit a detailed report on these. Each case study is based on an animal enterprise or system. Case study analysis will require students to clearly identify the problem to be solved and the context for problem solving (including business and personal goals of the owners/managers and their approach to management and decision making), analyse options for solving the problems and meeting

	goals, and prepare a report of their findings for the 'client'. Case study visits are supplemented by lectures and tutorials that develop the theory and practice of system thinking and analysis. The subject integrates biophysical science disciplines, management economics, and human systems elements. It is designed to enable students to work effectively with the owners and managers of animal businesses in bringing about change in their system.
Learning Outcomes:	On completion of this subject, students should have gained: # a basic understanding of systems theory and practice; # experience in practical situation analysis and skills in problem solving, in 'real world' settings; # recognition of the importance of adult learning and decision-making processes in the management of animal industry businesses and natural resources; # an understanding of the way technology is adopted in the management of animal industry, businesses and natural resources; and # the opportunity to apply knowledge gained earlier in their course to the solution of practical problems.
Assessment:	Four case study reports spaced equally through the semester, each equivalent to 1000 words and worth 25% of total mark.
Prescribed Texts:	None
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/2014/B-ARTS)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2014/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2014/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 of animal systems, their response to constraints for natural resources, finance and education. # 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:	**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-imbursement for vaccine costs.
Related Majors/Minors/ Specialisations:	Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Animal Science and Management Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED