

DASC90010 Dairy Systems

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: August, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Up to 45 hours of lectures/practicals/tutorials Total Time Commitment: Estimated total time commitment (including non-contact time): 170 hours.
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	Q Fever It is a core participation requirement of this subject that students be vaccinated against Q Fever. Do not enrol into this subject if you are unable or unwilling to be vaccinated against Q Fever. For further information please go to: http://students.fvas.unimelb.edu.au/my-studies/q-fever 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 the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Brendan Cullen
Contact:	Email: bcullen@unimelb.edu.au (mailto:bcullen@unimelb.edu.au)
Subject Overview:	The Australian dairy industry has the third highest gross value of production of all the primary industries. Dairying is largely concentrated in Victoria (65% of total national production), and uses pasture as the main feed source for lactating animals. Dairy businesses are under increased pressure to maintain profit margins and sustain the quality of natural resources in the face of climatic variability and climate change, decreased water allocations, increased input costs (especially feed grains), labour supply shortages, and volatile milk prices. Meeting these challenges requires sophisticated understanding of how dairy production systems are constructed and managed, and what drives profitability.
Learning Outcomes:	In this subject students will: <ul style="list-style-type: none"> # Develop an in depth understanding of dairy production systems, and current research issues # Evaluate the role of the various aspects of dairy systems management within the production systems # Identify important social, ethical and natural resource management issues in dairy production # Integrate knowledge from different sources to critically evaluate issues in dairy production systems
Assessment:	Two ten-minute oral presentations of 10 minutes completed during timetabled classes worth 20% each (total 40%) Two 1500-word written assignments due approximately one and three weeks after the conclusion of the intensive, worth 30% each (total 60%)
Prescribed Texts:	Holmes, C.W. et al. Milk Production from Pasture (2nd edition). Butterworths

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:</p> <ul style="list-style-type: none"> # Academic excellence # Greater in-depth understanding of scientific disciplines of dairy production systems and their responses to constraints imposed by environments and markets # Critical thinking and analysis and problem solving # Flexibility and level of transferable skills should be enhanced through improved ability to communicate ideas effectively in both written and verbal formats
Notes:	<p>Q Fever</p> <p>It is a core participation requirement of this subject that students be vaccinated against Q Fever. Do not enrol into this subject if you are unable or unwilling to be vaccinated against Q Fever. For further information please go to: http://students.fvas.unimelb.edu.au/my-studies/q-fever (http://students.fvas.unimelb.edu.au/my-studies/q-fever)</p>
Related Course(s):	<p>Graduate Certificate in Agricultural Sciences Graduate Diploma in Agricultural Sciences Master of Agricultural Science Master of Animal Science Postgraduate Diploma in Agricultural Science</p>
Related Majors/Minors/ Specialisations:	<p>100 Point (A) Master of Agricultural Sciences 100 Point (B) Master of Agricultural Sciences 150 Point Master of Agricultural Sciences 200 Point Master of Agricultural Sciences Animal Science Specialisation</p>