DASC90013 Adv Reproduction & Breeding Technology

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2016. This subject is delivered as a two-week block intensive at the Dookie campus in mid-July. Please contact the Faculty of Veterinary & Agricultural Sciences student centre for current and exact delivery dates. Note - if insufficient numbers, teaching method may vary.
Time Commitment:	Contact Hours: 60 hours Total Time Commitment: 170 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	Students wishing to take this subject should be enrolled in a postgraduate programme in Animal Science, Veterinary Science, Zoology, Agriculltural Sciences or equivalent.
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/
Contact:	Email: **rfry@unimelb.edu.au (mailto:rfry@unimelb.edu.au)**
Subject Overview:	This subject will provide the student with a theoretical and practical understanding of advanced breeding programs in cattle and sheep. They will be able to set up a breeding program, have a knowledge of the male and female reproductive systems, their control and manipulation to implement advanced breeding technologies such as AI, MOET, IVF, cloning and transgenesis. The student will also have extensive hands on experience in cattle and sheep AI and embryo flushing and transfer programs established at the Dookie campus.
Learning Outcomes:	At the completion of the subject the student will be able to: # Assess a variety of livestock breeding programs for genetic improvement # Have a good practical understanding of the implementation of these breeding programs # Know how the anatomical differences between sheep and cattle influence the application of the programs # Predict future breeding strategies through a comprehensive knowledge of the benefits and limitations of current technologies
Assessment:	One 1000 word written assignment due at the end of the block intensive worth 15% One 1000 word practical report 1 due one month after the block intensive worth 15% One 1500 word practical report 2 due one month after the block intensive worth 15% One two-hour exam to be held during the end-of-semester exam period worth 55%
Prescribed Texts:	Gordon, I. 2005 Reproductive technologies in farm animals. CABI publishing, Oxfordshire, UK
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

Related Course(s):	Master of Agricultural Science Master of Animal Science Postgraduate Diploma in Agricultural Science
Related Majors/Minors/ Specialisations:	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