VETS30025 Veterinary Clinical Sciences

Credit Points:	6.25
Level:	3 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Lectures: 42 hours. Practicals: 9 hours. Total Time Commitment: 90 hours
Prerequisites:	Successful completion of all subjects in Year 2 of Bachelor of Veterinary Science course.
Corequisites:	Students must enrol in the following subject:

Subject	Study Period Commencement:	Credit Points:
VETS30024 Veterinary Paraclinical Sciences	Year Long	12.50

Recommended Background Knowledge:	Years 1 and 2 (Semesters 1-4) of the BVSc course
Non Allowed Subjects:	None
Core Participation Requirements:	Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statement.
Coordinator:	Assoc Prof Andrew Vizard
Contact:	Email: **a.vizard@unimelb.edu.au (mailto:a.vizard@unimelb.edu.au)**
Subject Overview:	This subject covers: # Veterinary epidemiology. # Economics and decision making. # Introduction to diagnostic methods. # Statistics and systems analysis. # Animal breeding and genetic improvement. # Permanent identification of dogs, cats and horses (microchips). # Principles of: - Endoscopy; - Surgery in diagnosis; - Wound closure techniques; - Radiography; and - Ultrasonography.
Objectives:	Students completing this subject should: # understand the concepts of epidemiology; # be aware of factors which influence patterns of disease; # be familiar with the techniques of data acquisition and analysis and the uses and limitations of statistical information; # be able to undertake epidemiological investigations of animal disease outbreaks; # be able to provide economic reasoning in decision making when dealing with animal production systems; # be able to design a simple breeding program for animals; # understand the principles of selection for genetic improvement in various animal production systems; # be able to advise on the use of reproductive technologies to improve the rate of genetic gain; # further develop computer skills and skills in integrating material from previous subjects;

	# understand the principles and practical approach to microchipping dogs, cats and horses; # understand the principles and applications of endoscopy, surgery as a diagnostic tool, radiography and ultrasonography; and # consolidate their knowledge of veterinary public health, especially as it relates to food production systems and to zoonotic diseases and emerging diseases.
Assessment:	One 1-hour written paper at the end of Semester 1 (45%)One 1-hour written paper after Semester 2 intra-semester break (45%)Assessment of practical exercises (10%) during semesters Students are required to pass the subject on aggregate marks
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
Related Course(s):	Bachelor of Veterinary Science(PV)