VETS70011 Companion Animal Medicine and Surgery

Credit Points:	37.50
Level:	7 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013. This core subject in DVM3 is delivered across 2 x 14 week semesters.
Time Commitment:	Contact Hours: 315 hours Total Time Commitment: 432 hours
Prerequisites:	Passes in all subjects in Year 2 of the Doctor of Veterinary Medicine (i.e. DVM2)
Corequisites:	

Subject	Study Period Commencement:	Credit Points:
VETS70007 Principles of Professional Practice	Year Long	25
VETS70010 Production Animal Medicine and Surgery	Not offered 2013	37.50

Recommended Background Knowledge:	A sound understanding of Veterinary Bioscience, infectious agents as causes of disease in domestic animals, and the major animal production systems.
Non Allowed Subjects:	None
Core Participation Requirements:	Students should refer to the Core Participation Requirements statement for the Doctor of Veterinary Medicine: http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf
Contact:	Email: **schurch@unimelb.edu.au (mailto:schurch@unimelb.edu.au)**

Subject Overview:

This subject will be comprised of the following two modules.

In both units within this subject a “clinical presentation” approach will be taken to the discussion of diseases of animals, their diagnosis, prevention and treatment.

Dogs, cats and miscellaneous companion animals

clinical signs, diagnosis, treatment, prevention and public health aspects of infectious diseases of dogs and cats
clinical signs, diagnosis and medical and surgical management of diseases of the neuroendocrine, musculoskeletal, haematopoietic, lymphoreticular, alimentary, cardiovascular, respiratory and urogenital systems, eyes and ears of dogs and cats
clinical signs, diagnosis and treatment of poisonings of dogs and cats
nutrition of dogs and cats
dermatology of dogs and cats
oncology of dogs and cats
behavioural abnormalities of dogs and cats
perinatal medicine in dogs and cats
greyhound medicine.
diseases of miscellaneous companion animals

Horses

physical examination, clinical signs, diagnosis and medical and surgical treatment of metabolic and multi-systemic diseases and diseases of the musculoskeletal, haematopoietic, lymphoreticular, alimentary, cardiovascular, respiratory, urinary and reproductive systems, eyes and skin of horses
injury management in horses
special considerations in foals and heavy equine breeds
exotic and recently introduced equine diseases and their associated risk factors
routine procedures used to optimise Thoroughbred stud reproductive performance
equine castration

Objectives:	Students completing the **Dogs, cats and miscellaneous companion animals** module should: # be familiar with breed and behavioural characteristics of dogs and cats # possess essential information of the diseases of dogs and cats to approach a diagnosis on the basis of epidemiological data, clinical history, physical examination and clinical signs in an individual animal or group of animals # be able to select appropriately and interpret and utilise the results of laboratory tests in making a diagnosis in a dog or cat # be able to devise appropriate forms of therapy or management of disease in dogs and cats and be able to devise strategies for prevention and control of the same # be aware of the public health implications of zoonoses of dogs and cats. # be familiar with the principal features of the management and husbandry of miscellaneous companion animals such as rabbits and rodents, and have a thorough understanding of the welfare issues associated with keeping such animals # have a thorough understanding of the diseases that affect these species and the factors that influence the occurrence of disease in individual animals and in groups of animals # be able to carry out a thorough and safe physical examination of these species # be able to reach a probable diagnosis or formulate a list of differential diagnoses in these species based on the history, epidemiological date, physical examination, clinical signs and gross necropsy lesions # be able to recommend appropriate ancillary tests to reach a definitive diagnosis and accurately prognosticate # be able to specify appropriate therapy # be able to recommend appropriate measures for disease control and/or prevention Students completing the **Horses** module should have a thorough understanding of: # the common equine diseases and diagnostic procedures # how to conduct a thorough and logical clinical investigation, based on the presenting signs, interpret the findings and arrive at an accurate diagnosis # how to provide adequate treatment for all problems commonly encountered in horses and related species # how to castrate a horse competently # how to implement appropriate prevention strategies for the common diseases of horses # the exotic and recently introduced equine infectious diseases and how to deal with a suspected case of the same # how to complete an appropriate pre-purchase or insurance examination and certificate # how to discuss cases with professional colleagues using precise and concise veterinary nomenclature.
Assessment:	The assessment will be based on the following two modules, of which satisfactory completion of each is a hurdle requirement for the successful completion of this subject. Dogs, cats and miscellaneous companion animals module (60% of total subject assessment) Horses module (40% of total subject assessment) Dogs, cats and miscellaneous companion animals module A 1-hour written assessment held following the intra-semester break in semester 1 (15% of this module) A 2-hour written examination relating to all topics in semester held at the end of semester 1 (30% of this module) A 1-hour written assessment relating to semester 2 topics, held following the intra-semester break in semester 2 (15% of this module) A 3-hour written examination relating to all of year material, held at the end of semester 2 (40% of this module) Students are required to achieve an aggregate mark of at least 50% across the assessment components of this module. Horses module A 2-hour written examination held at the end of semester 1 (45% of this module) One practical examination held prior to the intra-semester break in semester 2 (10% of this module) A 2-hour written examination held at the end of semester 2 (45% of this module) Students are required to achieve an aggregate mark of at least 50% for the two written examinations, and must satisfactorily complete the practical examination.
Prescribed Texts:	None
Recommended Texts:	A recommended reading list will be provided by the subject coordinator.
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:	Students completing this subject will have developed: # an in-depth understanding of specific veterinary clinical disciplines # manual dexterity and technical skills in the practical application of these disciplines # the ability to apply theoretical knowledge in a practical setting, to trouble-shoot technical difficulties # the ability to seek accurate solutions to complex biological problems # the capacity to apply a rigorous, critical and logical approach to problem-solving # advanced experience in observation, interpretation of complex data, problem-solving, time management, record-keeping and communication in both written and verbal formats
Related Course(s):	Doctor of Veterinary Medicine