

VETS70011 Companion Animal Medicine and Surgery

Credit Points:	37.5									
Level:	7 (Graduate/Postgraduate)									
Dates & Locations:	2016, This subject commences in the following study period/s: Year Long, - Taught on campus. This core subject in DVM3 is delivered across 2 x 14 week semesters. This subject commences in February and concludes in mid-November.									
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:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>VETS70007 Principles of Professional Practice</td> <td>Year Long</td> <td>25</td> </tr> <tr> <td>VETS70010 Production Animal Medicine and Surgery</td> <td>Year Long</td> <td>37.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	VETS70007 Principles of Professional Practice	Year Long	25	VETS70010 Production Animal Medicine and Surgery	Year Long	37.50
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VETS70007 Principles of Professional Practice	Year Long	25								
VETS70010 Production Animal Medicine and Surgery	Year Long	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:	Refer to the Core Participation Requirements statement within the course entry for the Doctor of Veterinary Medicine: https://handbook.unimelb.edu.au/view/current/MC-DVETMED									
Coordinator:	Dr Lauren Lacorcchia, Dr Stewart Ryan									
Contact:	Email: stewart.ryan@unimelb.edu.au (mailto:stewart.ryan@unimelb.edu.au) Email: lauren.lacorcchia@unimelb.edu.au (mailto:lauren.lacorcchia@unimelb.edu.au)									
Subject Overview:	<p>This subject will be comprised of the following two modules.</p> <p>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.</p> <p>Dogs, cats and miscellaneous companion animals</p> <ul style="list-style-type: none"> # 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 <p>Horses</p> <ul style="list-style-type: none"> # Physical examination, clinical signs, diagnosis and medical and surgical treatment of metabolic and multi-systemic diseases and diseases of the musculoskeletal, 									

	<p>haematopoietic, lymphoreticular, alimentary, cardiovascular, respiratory, urinary and reproductive systems, eyes and skin of horses</p> <ul style="list-style-type: none"> # Injury management in horses # Special considerations in foals # Exotic and emerging equine diseases and their associated risk factors # Routine procedures used to optimise Thoroughbred stud reproductive performance # Equine castration
<p>Learning Outcomes:</p>	<p>Students completing the Dogs, cats and miscellaneous companion animals module should:</p> <ul style="list-style-type: none"> # 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 data, 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 <p>Students completing the Horses module should have a thorough understanding of:</p> <ul style="list-style-type: none"> # 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
<p>Assessment:</p>	<p>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 worth 60% of total subject assessment Horses module worth 40% of total subject assessment Dogs, cats and miscellaneous companion animals module A two-hour written assessment relating to Semester 1 topics covered in the first half of Semester 1 will be held in the second half of Semester 1 worth 15% of this module A three-hour written examination relating to all topics covered in Semester 1 will be held at the end of Semester 1 worth 30% of this module A two-hour written assessment relating to Semester 2 topics covered in the first half of Semester 2 will be held in the second half of Semester 2 worth 15% of this module A three-hour written examination relating to all of the material covered during the year will be held at the end of Semester 2 worth 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 two-hour written examination held at the end of Semester 1 worth 45% of this module A practical examination held during Semester 2 worth 10% of this module A two-hour written examination held at the end of Semester 2 worth 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.</p>

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:	<p>Students completing this subject should have developed:</p> <ul style="list-style-type: none"> # 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