

VETS70004 Veterinary Bioscience 2

Credit Points:	43.75									
Level:	7 (Graduate/Postgraduate)									
Dates & Locations:	2013, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus. Standard									
Time Commitment:	Contact Hours: 312 hours. Total Time Commitment: 450 Hours									
Prerequisites:	Satisfactory completion of all subjects at DVM1 level.									
Corequisites:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>VETS70005 Infections Population and Public Health</td> <td>Not offered 2013</td> <td>43.75</td> </tr> <tr> <td>VETS70008 Applications in Animal Health 2</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	VETS70005 Infections Population and Public Health	Not offered 2013	43.75	VETS70008 Applications in Animal Health 2	Not offered 2013	12.50
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VETS70005 Infections Population and Public Health	Not offered 2013	43.75								
VETS70008 Applications in Animal Health 2	Not offered 2013	12.50								
Recommended Background Knowledge:	This course assumes prior knowledge in one or more discipline of science. All students will be expected to be familiar with the principles of scientific thinking, hypothesis development, experimental design and data collection, analysis and interpretation.									
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									
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Subject Overview:	<i>VETS70004 Veterinary Bioscience 2</i> continues the integrated and interdisciplinary approach to the study of organ function and dysfunction in animals that is introduced in <i>Veterinary Bioscience 1</i> . Building on students' prior knowledge of organ function and dysfunction and their experience of scientific and clinical reasoning, this subject introduces students to the structure and normal functioning of the haemopoietic and lymphoreticular, musculoskeletal and integumentary, reproductive and neuroendocrine systems, and to the principles of dysfunction of these systems. Students will be introduced to the clinical disciplines of pharmacology and therapeutics, diagnostic imaging and clinical pathology as they relate to these systems. Using case based teaching approaches they will apply their understanding of organ and system function and dysfunction to authentic situations that enhance the development of integrative clinical reasoning abilities, and to analysis of cases that involve multiple organ perturbation.									
Objectives:	At the completion of this course students should be able to: <ul style="list-style-type: none"> # Appreciate the roles of the disciplines of anatomy, physiology, pharmacology, biochemistry and pathology in the analysis of animal structure, function and dysfunction. # Describe the structure and function of the haemopoietic and lymphoreticular, musculoskeletal and integumentary, reproductive and neuroendocrine systems. # Explain the processes by which normal function may be disrupted in these body systems, and predict the outcomes of these perturbations for normal function of the animal. # Apply and integrate an understanding of principles of organ function and dysfunction to cases involving multi-organ perturbation. # Use data acquired from clinical observation as well as understanding of organ function and dysfunction, to explain mechanisms of disease processes. 									

Assessment:	Five units and one communication seminar will be undertaken in this subject. Unit 1 (Haemopoietic, Lymphoreticular and Integumentary Systems): One 2-hour written examination, End of semester 1 (15%) One 1-hour mid-semester test, Week 7 (5%) Unit 2 (Musculoskeletal System): One 2-hour written examination, End of semester 1 (15%) One 1-hour mid-semester test, Week 12 (5%) Unit 3 (Neurology & Endocrinology): One 2-hour written examination, End of semester 2 (15%) One 1-hour mid-semester test - Semester 2 (5%) Unit 4 (Reproduction): One 2-hour written examination, End of semester 2 (15%) One 1-hour mid-semester test – Semester 2 (5%) Unit 5 (Regional Anatomy of the Dog): One 1-hour written examination, End of semester 1 (5%) One 1-hour written examination, End of semester 2 (5%) The passing of each unit on aggregate mark is a hurdle requirement. Communication project: Communication activities that demonstrate the ability to integrate concepts across different discipline areas and organ systems, and to communicate these concepts to a diverse audience. Presented on-line in video format on the Faculty's VOCE site and a 500 word written report to be completed satisfactorily by week 8 of semester 2 (10%). Students are required to pass the subject on aggregate mark.
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
Generic Skills:	<ul style="list-style-type: none"> # Examine critically, synthesise and evaluate knowledge across a broad range of disciplines # Expand their analytical and cognitive skills through learning experiences in diverse subjects # Have the capacity to participate fully in collaborative learning and to confront unfamiliar problems # Be able to seek solutions to problems through the application of knowledge, the ability to initiate and integrate new ideas, an appreciation of the broad picture of science, and an understanding of the importance and application of scientific method
Related Course(s):	Doctor of Veterinary Medicine