

VETS70006 Applications in Animal Health 1

Credit Points:	37.50						
Level:	7 (Graduate/Postgraduate)						
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus. Standard						
Time Commitment:	Contact Hours: 216 hours within semester, plus 2 weeks industry based placement during vacations Total Time Commitment: 360 Hours						
Prerequisites:	A Bachelor of Science degree with at least 12.5 points of study in biology and 12.5 points of study in biochemistry. Completion of an approved five day residential course in animal handling and management.						
Corequisites:	Students must also be enrolled in the following subject: <table border="1" data-bbox="387 741 1485 891"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>VETS70003 Veterinary Bioscience 1</td> <td>Year Long</td> <td>62.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	VETS70003 Veterinary Bioscience 1	Year Long	62.50
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VETS70003 Veterinary Bioscience 1	Year Long	62.50					
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, data collection, analysis and interpretation.						
Non Allowed Subjects:	None						
Core Participation Requirements:	Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statement http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf						
Coordinator:	Dr Stuart Barber						
Contact:	Dr Stuart Barber Email: srbarber@unimelb.edu.au (mailto:srbarber@unimelb.edu.au)						
Subject Overview:	<i>Applications in Animal Health 1</i> provides students with a comprehensive introduction to the principles of animal health in individual animals and in populations of animals. Each of the six determinants of health (genetics, environment, nutrition, welfare, infectious disease and exposure to toxic agents) is explored with reference to authentic case studies. Appreciation of the multifactorial nature of health determination is then developed as students apply their understanding to cases that require integration of multiple principles in the analysis of animal health issues. Through industry based placements as well as case based syndicate work, students apply their understanding of animal health principles to the examination and analysis of animal production industries of importance both within Australia and internationally.						
Objectives:	On completion of this subject students should be able to: <ul style="list-style-type: none"> # Describe the role of genetics, environment, nutrition, welfare, infectious disease and exposure to toxic agents in determining the health of individual animals or populations of animals. # Demonstrate the ability to evaluate animal production systems with reference to the complex interplay of multiple determinants of health. # Apply an understanding of the principle determinants of animal health in reflective and critical analysis of personal industry based experiences. # Describe the interdependence of animal health and productivity in animal production industries. 						

Assessment:	One written exam (two hours duration) at the end of semester one (22.2%) Two written exams (each of two hours duration) at the end of semester two (44.4%) Eleven (11) intra semester tests (less than 60 minutes duration) (total 28.4%) Satisfactory completion of two weeks of industry based placement in a rural enterprise, or two weeks of placement in an animal shelter or zoo (hurdle requirement) Written report for each week of industry placement, that demonstrates capacity to integrate concepts introduced in different units within the course and apply an understanding of determinants of health to the context of a specific industry (5%)
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:	<p>Students should be able to:</p> <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 # 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 # demonstrate empathy and concern for animals and people # be aware of the global society and be equipped to contribute to it