

VETS30011 Animal Disease Biotechnology 1

Credit Points:	12.5												
Level:	3 (Undergraduate)												
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.												
Time Commitment:	Contact Hours: 60 Total Time Commitment: 170 hours												
Prerequisites:	One of <table border="1" data-bbox="387 544 1485 801"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BCMB20002 Biochemistry and Molecular Biology</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>VETS20016 Biochemistry in Animal Systems</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BIOM20001 Molecular and Cellular Biomedicine</td> <td>Semester 1</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50	VETS20016 Biochemistry in Animal Systems	Semester 1	12.50	BIOM20001 Molecular and Cellular Biomedicine	Semester 1	25
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Corequisites:	None												
Recommended Background Knowledge:	<table border="1" data-bbox="387 891 1485 1093"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>VETS20014 Foundations of Animal Health 1</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>VETS20015 Foundations of Animal Health 2</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	VETS20014 Foundations of Animal Health 1	Semester 1	12.50	VETS20015 Foundations of Animal Health 2	Semester 2	12.50			
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Non Allowed Subjects:	None												
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>												
Coordinator:	Prof Jean-Pierre Scheerlinck												
Contact:	Email: j.scheerlinck@unimelb.edu.au (mailto:j.scheerlinck@unimelb.edu.au)												
Subject Overview:	This subject elaborates on the scientific basis of disease recognition in populations of animals. It explores causes of disease in animal populations, the mechanisms of disease processes and their transmission, principles of biosecurity, and the scientific basis of technologies and procedures available for monitoring disease status. Students will acquire skills in a variety of techniques used to monitor the health of populations of animals, and will develop abilities in critical analysis of animal health reports.												
Learning Outcomes:	This subject aims to equip students with an understanding of techniques used to assess the health of individual animals and populations of animals, as well as an understanding of the biological basis of these tests. Students satisfactorily completing this subject will also acquire												

	skills in performing a range of laboratory tests used in monitoring the health of populations of animals.
Assessment:	A 2-hour end-of-semester written examination (75%) Assessment of laboratory based exercises (tests and report writing) (25%)
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):	Master of Biotechnology
Related Majors/Minors/Specialisations:	Agri-food Biotechnology (specialisation of Biotechnology major) Agricultural Science Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Animal Science and Management Production Animal Health Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED