

# VETS30011 Animal Disease Biotechnology 1

<b>Credit Points:</b>	12.50																		
<b>Level:</b>	3 (Undergraduate)																		
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.																		
<b>Time Commitment:</b>	Contact Hours: 60 Total Time Commitment: 100 hours																		
<b>Prerequisites:</b>	<p>Students must have successfully completed the following subjects:</p> <table border="1"> <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> <p>and <b>ONE OF</b> the following two subjects:</p> <table border="1"> <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>BIOM20001 Molecular and Cellular Biomedicine</td> <td>Semester 1</td> <td>25</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	Subject	Study Period Commencement:	Credit Points:	BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50	BIOM20001 Molecular and Cellular Biomedicine	Semester 1	25
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<b>Recommended Background Knowledge:</b>	None																		
<b>Non Allowed Subjects:</b>	None																		
<b>Core Participation Requirements:</b>	Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statement <a href="http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf">http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf</a>																		
<b>Coordinator:</b>	Assoc Prof Jean-Pierre Scheerlinck																		
<b>Contact:</b>	Email: <a href="mailto:jeanps@unimelb.edu.au">jeanps@unimelb.edu.au</a> (mailto:jeanps@unimelb.edu.au)																		
<b>Subject Overview:</b>	This subject introduces students to the scientific basis of disease recognition in populations of animals. It explores causes of disease in populations of production, companion and laboratory animals, 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.																		
<b>Objectives:</b>	This course 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 course will also acquire skills in performing a range of laboratory tests used in monitoring the health of populations of animals.																		

<b>Assessment:</b>	a 2-hour end-of-semester examination (80%) assessment of laboratory based exercises (tests and report writing) (20%)
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Related Majors/Minors/ Specialisations:</b>	Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.