

## VETS30015 Veterinary Bioscience: Cells to Systems

<b>Credit Points:</b>	12.5																		
<b>Level:</b>	3 (Undergraduate)																		
<b>Dates &amp; Locations:</b>	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.																		
<b>Time Commitment:</b>	Contact Hours: 72 Total Time Commitment: 170 hours																		
<b>Prerequisites:</b>	<p>Students must have successfully completed the following subjects prior to enrolling in this subject:</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>Corequisites:</b>	<p>Bachelor of Science students studying the Veterinary Bioscience specialisation must enrol in 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>VETS30016 Veterinary Bioscience: Digestive System</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>VETS30017 Veterinary Bioscience: Metab &amp; Excretion</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Bachelor of Science students studying the Animal Disease Biotechnology specialisation must enrol in the following subject:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>VETS30011 Animal Disease Biotechnology 1</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	VETS30016 Veterinary Bioscience: Digestive System	Semester 1	12.50	VETS30017 Veterinary Bioscience: Metab & Excretion	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	VETS30011 Animal Disease Biotechnology 1	Semester 1	12.50			
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<b>Recommended Background Knowledge:</b>	None																		
<b>Non Allowed Subjects:</b>	None																		
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>																		

<b>Coordinator:</b>	Dr Elizabeth Washington
<b>Contact:</b>	Email: <a href="mailto:eawash@unimelb.edu.au">eawash@unimelb.edu.au</a> ( <a href="mailto:eawash@unimelb.edu.au">mailto:eawash@unimelb.edu.au</a> )
<b>Subject Overview:</b>	This capstone subject takes a multi-disciplinary approach to the investigation of health and disease in domestic animals. Students will be introduced to the structural and functional organisational units of the body and to the fundamental principles of veterinary anatomy, physiology, biochemistry, pharmacology, general pathology and immunology. Students will gain a theoretical knowledge and practical laboratory skills that are fundamental to an appraisal of the health of domestic animals.
<b>Learning Outcomes:</b>	This subject aims to provide a road map of key concepts within the disciplines of anatomy, physiology, biochemistry, pharmacology, general pathology and immunology that will equip students embarking on systems based integrated and applied studies in animal health.
<b>Assessment:</b>	One 2-hour end-of-semester written examination (70%) One 1-hour test held during semester (25%) One 30 minute online test held during semester (5%)
<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 Course(s):</b>	Doctor of Veterinary Medicine
<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. Veterinary Bioscience (specialisation of Animal Health and Disease major)