

## 208-215 Animal Health and Epidemiology

<b>Credit Points:</b>	12.500
<b>Level:</b>	Undergraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: Twenty-four hours of lectures, 12 hours of tutorials and 36 hours of practical work, with computer aided-learning enhancement Total Time Commitment: Not available
<b>Prerequisites:</b>	202-103 Biology for Land and Food Resources or 650-141 Biology of Cells and Organisms
<b>Corequisites:</b>	None
<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 Peter Cakebread
<b>Subject Overview:</b>	<p>The objectives of this subject are to provide students with an understanding of the nature of health and health disorders of animals in individuals and populations. Content includes:</p> <ul style="list-style-type: none"> <li># evolutionary development and adaptations to disease; parasitic relationships;</li> <li># causes of disease: toxic, neoplastic, infectious, traumatic, developmental and degenerative; the biological basis of parasitic disease: bacteria, viruses, fungi, protozoa, helminths, ectoparasites;</li> <li># disease processes: inflammation and healing;</li> <li># diagnostic procedures; therapeutic techniques; and</li> <li># epidemiological concepts; analysis of incidence and prevalence; disease in populations; sensitivity and specificity; infectious disease modelling; biosecurity.</li> </ul> <p>On completion of this subject students should:</p> <ul style="list-style-type: none"> <li># understand the role of a non-veterinary graduate in prevention, detection and management of health disorders in animals;</li> <li># understand the biological basis of disease causality;</li> <li># understand the processes of disease including inflammation and healing;</li> <li># be familiar with diagnostic procedures;</li> <li># be familiar with therapeutic techniques;</li> <li># be familiar with epidemiological concepts and terminology; and</li> </ul>

	# understand the application of bio-security strategies.
<b>Assessment:</b>	One 3-hour written essay or short-answer style examination (40% of total marks), three practical assignments equivalent to 2000 words (each worth 20% of total marks).
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	Information Not Available
<b>Breadth Options:</b>	<p>This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008.</p> <p>This subject or an equivalent will be available as breadth in the future.</p> <p>Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available.</p> <p>2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.</p>
<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>Generic Skills:</b>	Information Not Available
<b>Notes:</b>	This subject involves the use of animals. Students should be aware that this is an essential part of the subject and exemption from this component is not possible.
<b>Related Course(s):</b>	Bachelor of Animal Science and Management