

250-211 Veterinary Bacteriology & Mycology

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 27 hours of lectures, 12 hours of practical classes and 51 hours of computer assisted learning. Total Time Commitment: Estimated total time commitment 120 hours (minimum).
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
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:	Dr J Gilkerson
Subject Overview:	<p>At the end of the sequence Veterinary Microbiology & Virology and Veterinary Bacteriology & Mycology, students completing these subjects should: possess the essential information on the important characteristics of bacteria, fungi and viruses and the way they exert their pathogenic effects and produce clinical signs of disease; understand the distribution of microbes in nature and the manner by which those of veterinary importance are spread; be familiar with the methods of disinfection and sterilisation and their use in practice; understand the principles of anti-microbial therapy; understand the need for rational judgments in the use of antimicrobial therapy; understand the immune response infection and possible abnormalities of the responses; understand the principles and use of vaccines in the control of infectious diseases; be familiar with the methods of diagnosis of infectious diseases; understand the principles of non-therapeutic control measures; understand approaches to the diagnosis of infectious disease (including the isolation and identification of pathogens and their detection using immunoassays).</p> <p>Topics include: systematic bacteriology and mycology and practical exercises in veterinary microbiology.</p>
Assessment:	A series of true/false questions on each of 21 case studies completed during the instruction period (10%), a literature search and review (20%), short written answers (1000 words maximum) to questions on a selected number of case studies (20%) and indicated in the teaching timetable available at the commencement of the semester and a computer-based open-book examination of two hours duration at the end of the semester (50%).
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>At the end of the sequence Veterinary Microbiology and Virology and Veterinary Bacteriology and Mycology students completing these subjects should have:</p> <ul style="list-style-type: none"># the skills required to be efficient managers of information;# skills to apply technology to the analysis of biological problems;# developed skills in report writing.
Related Course(s):	<p>Bachelor of Veterinary Science Bachelor of Veterinary Science(PV)</p>