250-210 Veterinary Microbiology & Virology

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 29 hours of lectures and 20.5 hours of practical classes and tutorials. Total Time Commitment: Estimated total time commitment 73.5 hours (minimum).
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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. 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
Coordinator:	Dr J Gilkerson
Subject Overview:	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). Topics include: general microbiology; immunity to microbial pathogens, virology and practical exercises in immunodiagnostics and veterinary virology.
Assessment:	One 2-hour written exam (55%) and a 1-hour practical exam (20%) both at the end of semester. Three short tests (each of 15 minutes) during the semester (15%) and indicated in the teaching timetable available at the commencement of the semester. A vaccination assignment and presentation (10%).
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:	At the end of the sequence Veterinary Microbiology and Virology and Veterinary Bacteriology and Mycology students completing these subjects should have: # the skills required to be efficient managers of information; # the skills to apply technology to the analysis of biological problems; and # developed skills in report writing.
Related Course(s):	Bachelor of Veterinary Science Bachelor of Veterinary Science(PV)