

VETS20005 Veterinary Bacteriology & Mycology

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 27 hours of lectures, 12 hours of practical classes and 57 hours of computer assisted learning. Total Time Commitment: Estimated total time commitment 120 hours (minimum).
Prerequisites:	Nil
Corequisites:	Nil
Recommended Background Knowledge:	Nil
Non Allowed Subjects:	Nil
Core Participation Requirements:	Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statement http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf
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Subject Overview:	Topics include: systematic bacteriology and mycology and practical exercises in veterinary microbiology.
Objectives:	<p>At the end of the sequence Veterinary Microbiology & Virology and Veterinary Bacteriology & Mycology, students completing these subjects should:</p> <ul style="list-style-type: none"> # 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).
Assessment:	<ul style="list-style-type: none"> • A literature search and review during Semester 1, to be submitted when indicated in the teaching timetable available at the commencement of Semester 1 (15%) • One short written assignment (1000 words maximum) during Semester 2, to be submitted when indicated in the teaching timetable available at the commencement of Semester 2 (20%) • A practical class assignment during Semester 2 (indicated in the teaching timetable available at the commencement of Semester 2) (10%) • A computer-based open-book examination of two hours' duration at the end of semester 2 (55%).
Prescribed Texts:	Nil
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.