

## VETS20005 Veterinary Bacteriology & Mycology

<b>Credit Points:</b>	12.50
<b>Level:</b>	2 (Undergraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus.
<b>Time Commitment:</b>	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).
<b>Prerequisites:</b>	Nil
<b>Corequisites:</b>	Nil
<b>Recommended Background Knowledge:</b>	Nil
<b>Non Allowed Subjects:</b>	Nil
<b>Core Participation Requirements:</b>	Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statement <a href="http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf">http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf</a>
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<b>Subject Overview:</b>	Topics include: systematic bacteriology and mycology and practical exercises in veterinary microbiology.
<b>Objectives:</b>	At the end of the sequence Veterinary Microbiology & Virology and Veterinary Bacteriology & Mycology, students completing these subjects should: <ul style="list-style-type: none"> <li># 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;</li> <li># understand the distribution of microbes in nature and the manner by which those of veterinary importance are spread;</li> <li># be familiar with the methods of disinfection and sterilisation and their use in practice;</li> <li># understand the principles of anti-microbial therapy;</li> <li># understand the need for rational judgments in the use of antimicrobial therapy;</li> <li># understand the immune response infection and possible abnormalities of the responses;</li> <li># understand the principles and use of vaccines in the control of infectious diseases; be familiar with the methods of diagnosis of infectious diseases;</li> <li># understand the principles of non-therapeutic control measures;</li> <li># understand approaches to the diagnosis of infectious disease (including the isolation and identification of pathogens and their detection using immunoassays).</li> </ul>
<b>Assessment:</b>	<ul style="list-style-type: none"> <li>• 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%)</li> <li>• 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%)</li> <li>• A practical class assignment during Semester 2 (indicated in the teaching timetable available at the commencement of Semester 2) (10%)</li> <li>• A computer-based open-book examination of two hours' duration at the end of semester 2 (55%).</li> </ul>

<b>Prescribed Texts:</b>	Nil
<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>Generic Skills:</b>	<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"><li># the skills required to be efficient managers of information;</li><li># skills to apply technology to the analysis of biological problems;</li><li># developed skills in report writing.</li></ul>