526-221 Experimental Microbiology

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 12 lectures (one per week) and 36 hours of practical work (three hours per week) Total Time Commitment: 120 hours
Prerequisites:	None
Corequisites:	Microbiology 526-201.
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Ms C J Power
Subject Overview:	Upon completion of this course students should have: # acquired knowledge of the basic laboratory methods used in microbiology, when to use them and the ability to perform them safely and effectively; # an understanding of how practical studies augment theoretical studies of the structure, function and activities of microorganisms; # an experience of the laboratory as an interesting and stimulating environment in which to work; # an appreciation of real-life applications of microbiological techniques and their relevance to industry and community health and well-being; and # developed observational, organisational and practical skills in obtaining data and in analysing, reporting, evaluating and interpreting experimental findings.
Assessment:	Ongoing assessment of practical reports due during the semester (50%); ongoing assessment of laboratory notebook during the semester (10%); a 2-hour practical examination during the semester (40%). Satisfactory completion of the laboratory work and written reports, as well as a pass in the practical examination are necessary to pass this subject.
Prescribed Texts:	Department of Microbiology Techniques Manual (University of Melbourne), 1999 Microbiology (L M Prescott, J P Harley and D A Klein), 6th edn, 2005
Breadth Options:	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. This subject or an equivalent will be available as breadth in the future. 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. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees

Notes:	Students enrolled in the BSc (pre-2008 BSc), BASc or a combined BSc course will receive science credit for the completion of this subject.
Related Course(s):	Bachelor of Engineering(Biochemical Engineering)and Bachelor of Science Graduate Diploma in Biotechnology