208-307 Plant Pathology

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: Twenty-four hours of lectures and 36 hours of practical work Total Time Commitment: Not available
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 Paul Taylor
Subject Overview:	On completion of this subject, students should: # be familiar with the biology and taxonomy of the major biotic causes of disease; # understand the use of molecular biology techniques in plant pathology; # be aware of the factors leading to disease epidemics; # be capable of diagnosing common diseases of agricultural and horticultural crops; and # be able to formulate a practicable approach to integrated control in commercial species. Topics covered include: # taxonomy, identification and biology of the main groups of plant pathogens and abiotic causes of plant diseases; # host pathogen relationships, and the nature of resistance and pathogenesis; # the application of molecular marker technology in pathogen identification, disease resistance and pathogen diversity; # the processes leading to plant disease epidemics and their evaluation; and # the management and integrated control of plant diseases. Practical work includes the identification and diagnosis of common diseases; and the development of skills in research techniques and methodology in plant pathology.

Assessment:	Three-hour end-of-semester examination (50%). Practical class assessments (20%), oral presentation 10 minutes duration worth 10% of final marks and an assignment comprising a collection of plant diseases (20%).
Prescribed Texts:	None
Recommended Texts:	# **Plant Pathogens and Plant Diseases** (J F Brown and H J Ogle), Rockvale Publications, 1997 # **Plant Pathology** (G N Agrios), 5th edn, Harcourt/Academic Press, 2004
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
Generic Skills:	Information Not Available
Related Course(s):	Bachelor of Agricultural Science Bachelor of Agricultural Science