

## AGRI90066 Soil Science and Management

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 24 hours of lectures, 24 hours of practical classes,(4 hours per week) Total Time Commitment: Not available
<b>Prerequisites:</b>	Eligibility for honours or postgraduate degree
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	It is University policy to take all 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. This course requires all students to enrol in subjects where they must actively and safely contribute to laboratory activities and field trips. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit.
<b>Coordinator:</b>	Prof Deli Chen
<b>Contact:</b>	<b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land & Food Resources (building 142) <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (mailto:13MELB@unimelb.edu.au)
<b>Subject Overview:</b>	This subject will examine the major current issues in the management of soils under various land uses in Australia. The dynamic nature of soils will be explored through study of the chemical, physical and biological processes in the soil environment, particularly those which impact directly on plant growth. The subject should develop an understanding of how soils can be managed to optimise plant growth and minimise adverse effects on the environment and present practical solutions to soil management.
<b>Objectives:</b>	Information Not Available
<b>Assessment:</b>	A three-hour end of semester examination (60%), a major assignment of 4000 words (30%) – week 9 and a class presentation (10%) – week 11.
<b>Prescribed Texts:</b>	Information Not Available
<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>	A profound respect for truth, intellectual and professional integrity, and the ethics of scholarship Capacity for independent critical thought, rational inquiry and self-directed learning and research An ability to derive, interpret and analyse social, technical or economic information from primary and other sources Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data Capacity for creativity and innovation, through the application of skills and knowledge

	<p>Ability to integrate information across a relevant discipline to solve problems in applied situations</p> <p>Highly developed computer - based skills to allow for effective on-line learning and communication.</p> <p>Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community</p> <p>Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community.</p> <p>Appreciation of social and cultural diversity from a regional to a global context</p> <p>Ability to participate effectively as a member of a team</p> <p>Ability to plan work, use time effectively and manage small projects</p>
<b>Related Course(s):</b>	<p>Bachelor of Horticulture (Honours)</p> <p>Graduate Diploma in Urban Horticulture</p> <p>Master of Agricultural Science</p> <p>Master of Urban Horticulture</p> <p>Postgraduate Diploma in Agricultural Science</p>
<b>Related Majors/Minors/Specialisations:</b>	<p>Bachelor of Environments (Honours) Landscape Management</p> <p>Conservation, Restoration and Landscape Management</p> <p>Environmental Science</p> <p>Environmental Science</p> <p>Honours Program - Agricultural Science</p> <p>Integrated Water Catchment Management</p> <p>Sustainable Cities, Sustainable Regions</p>