NRMT40006 Soil Management and Conservation

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	This subject is not offered in 2012.
Time Commitment:	Contact Hours: As for 207-401 Soil Management and Conservation Total Time Commitment: Not available
Prerequisites:	Eligibility for Honours.
Corequisites:	N/A
Recommended Background Knowledge:	N/A
Non Allowed Subjects:	N/A
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Contact:	Email: **anthony@unimelb.edu.au (mailto:anthony@unimelb.edu.au)** Phone: 8344 4642
Subject Overview:	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. Content includes: # reactions of nutrients and contaminants with soil surfaces; # processes controlling nutrient availability with particular reference to nitrogen and phosphorus; # assessment of nutrient availability including quantity/intensity Ârelationships; # processes leading to sodic, salinised and acidified soils; # soil structure classification and management to minimise erosion; # water and solute movement; # soil survey and land capability assessment; # process-based soil management models; and # soil contamination, urban soil issues and soil quality and sustainability indicators.
Objectives:	N/A
Assessment:	A 3-hour examination (60%), a major assignment of 3000 words (30%) and a class talk (10%).
Prescribed Texts:	N/A
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:	N/A