ECOL90001 Restoration Ecology

Dates & Locations: Time Commitment: Contact H Time Com break. The Stawell. Prerequisites: None Corequisites: None Recommended Background Knowledge: Non Allowed Subjects: None Core Participation Requirements: For the pure Standards Policy, ac Subject O	ect is not offered in 2014. Lectures, a computer laboratory, a chemical laboratory, and clours: 20 hours of lectures, 16 hours of practicals and 2.5 days of fieldtrips. Total imitment: The subject is taught intensively over dates in the September mid-semester are are fieldtrips to visit urban waterways and an overnight fieldtrip to a gold mine at a
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the disabi	lity support scheme can be found at the Disability Liaison Unit website: http://ices.unimelb.edu.au/disability/
Contact:	
investigati waterways	ect aims to introduce students to the field of restoration ecology through an ion of the properties and causes of degradation and/or contamination of land, is and wetlands under the influence of human activities, and the theory and practice of ent and restoration of such systems. The subject examines two themes:
Contamir	nation and Degradation
sources o	s and dimensions of derelict and contaminated land are considered, particularly forganic and inorganic contaminants, methods for the identification and quantification and site and risk assessment strategies.
from base Australia a of extreme and reinst	s for reinstatement of land is considered with specific reference to problems arising metal mining practices (mineral extraction, beneficiation and smelting) in both and overseas, as well as consideration of other industrial and non-industrial examples a substrata. Widely implemented practices for off-site and in-situ decontamination attement of land are compared and contrasted with novel and/or low-technological using plants and ecological science.
Restorati	on and Revegetation
knowledge Critical ex success a	ice of restoration and revegetation is explored using theoretical and applied e. The origins, intent, theory and practices of restoration ecology are introduced. amination of a range of strategies available and options for defining and measuring are explored through specific reference to current practices. Site-specific examples n-space, mine sites, rivers and wetlands) are provided.
Learning Outcomes: .	
Assessment: A researc	h essay of 3000 words (50%) and a field trip report of 2000 words (50%).
Prescribed Texts: None	
Breadth Options: This subje	ect is not available as a breadth subject.
Fees Information: Subject E	FTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees

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Notes:	It is expected that students will either be familiar with the computer program Microsoft Excel, or will be willing to learn to use Excel during the study program.
Related Majors/Minors/ Specialisations:	Environmental Science Environmental Science

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