EVSC30002 Problem Solving in Environmental Science

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 2 x one hour lectures per week, and 18 hours of practicals/tutorials duing the semester Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	

Subject	Study Period Commencement:	Credit Points:
EVSC30003 Environmental Risk Assessment	Semester 1	12.50

Corequisites:	None
Recommended Background Knowledge:	A statistics subject is strongly recommended.
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. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Dr Jan Carey, Prof Michael Keough
Contact:	Email: **mjkeough@unimelb.edu.au (mailto:mjkeough@unimelb.edu.au)** Email: **janetmc@unimelb.edu.au (mailto:janetmc@unimelb.edu.au)**
Subject Overview:	The subject includes methods of hypothesis development, experimental design and testing in environmental impact assessment, design and analysis of sampling and monitoring programs and their subsequent analysis, and evaluating proposed solutions for their technical feasibility and risk.
Objectives:	Students completing this subject should have an appreciation of environmental decision-making and the role of scientists in that process, and should understand the methodologies used for the assessment of human impacts on the natural environment. They should be familiar with the statistical principles underlying the design of environmental impact assessment and monitoring, and have experience in conducting and presenting the results of a multidisciplinary research project in environmental impact assessment.
Assessment:	Written essay work totalling 3000 words due during the semester (30%); two 10-minute oral presentations during the semester (10% total); a 3-hour written examination in the examination period (60%).
Prescribed Texts:	None
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2010/B-ARTS)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/B-MUS)**

	You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Notes:	This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees), BASc or a combined BSc course.
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Environmental Science Environmental Science Environmental Science