600-604 Environmental Risk Assessment

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 24 hours lectures and 18 hours practical/tutorial sessions Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
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. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Dr Terry Walshe
Subject Overview:	The subject outlines the history and social context of risk, and introduces the psychology of risk perception. On completing this subject you should be familiar with different concepts of risk, means of estimation, and the strengths and flaws of different approaches. The subject outlines exposure pathways, the ecological processes associated with contamination in aquatic and terrestrial ecosystems. You should develop conceptual models and estimate exposures to risk and responses in human environments and ecological systems. You should learn how to perform fundamental hazard and ecological risk assessment procedures, empirical modelling, logic trees, interval arithmetic, Monte Carlo for static and dynamic problems, and applications to species, community and ecosystem problems. The application of these tools is outlined within processes of risk management and communication.
Assessment:	You are required to complete an application of the methods to a real, work-based problem. A report from this work is worth 20% of your mark. The balance is made up of 30% for practicals and 50% for a 3-hour exam.
Prescribed Texts:	None
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
Related Majors/Minors/ Specialisations:	R05 RA Master of Science - Geography (not offered until 2010)