

600-601 Environmental Sampling And Analysis

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 24 lectures, 24 hours of tutorials and practicals. Total Time Commitment: 24 lectures and 24 hours of tutorials and practicals run as an intensive course over two weeks in winter (between semesters). The subject will involve practical work in the weeks following the completion of formal direct contact hours (July break, two weeks).
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:	Prof M Keough
Subject Overview:	The subject will cover the following topics: revision of fundamental statistical concepts (distributions, measures of central tendency and dispersion, confidence intervals); strategies for efficient and effective estimation; the design of routine monitoring and assessment programs; sampling theory; stratification, ratio and regression estimation; field monitoring and 'baseline' studies; sample sizes; Type I and Type II errors; and statistical power.
Assessment:	Written reports on the tutorials and practicals totalling not more than 5000 words, and a three-hour written examination.
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
Links to further information:	http://www.zoology.unimelb.edu.au/stats/course.html