

421-525 Field Data Acquisition (Masters)

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 20 lectures and practice classes; Field Trips: One one-week field trip prior to commencement of Semester 1 (28 hours); Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p><p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p> </p>
Coordinator:	Michael Stewardson
Subject Overview:	Sampling principles, electric circuit laws, calibration and errors, standards, transducer physics, transducer selection, fault diagnostics, digital signal processing, stream gauging, water quality evaluation, meteorological observation, spatial land surface measurement, and streamside and in-stream condition assessment.
Assessment:	Participation in (10%) and group reporting (600 words per student) (15%) on field activities during the pre-semester field camp, two written assignments of 1,000 words to be submitted during the second week of semester (20%), two group assignment of 2,000 words each to be submitted near the middle and the end of semester (5% and 35% respectively), four reflective journals spaced throughout the semester (5%) and participation in an online discussion forum (5%) during the first 8 weeks of semester.
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
Generic Skills:	<p>On successful completion, students will have experience in:</p> <ul style="list-style-type: none"> # field techniques and have an appreciation of how to use and interpret environmental measurements # design and implementation of a program of collection of environmental data # choosing an optimum strategy for the data acquisition task # working effectively in field based teams # using highly developed written communication skills
Related Course(s):	Master of Development Technologies Master of Energy Studies

Master of Engineering Project Management
Master of Engineering Structures
Master of Environmental Engineering
Master of Utilities Management
Master of Water Resource Management