

451-450 Research Project

Credit Points:	25.00
Level:	4 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Year Long, - Taught on campus.
Time Commitment:	Contact Hours: Guided study and research equivalent to four hours per week. 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>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>
Coordinator:	Prof Ian D. Bishop
Subject Overview:	<p>Upon completion of this subject students should have developed skills in research, communication and writing by either individual or group investigation of a research topic and the subsequent preparation of a report; received experience in working independently or in groups on a project; and developed skills in planning, executing and managing a project.</p> <p>The subject will include supervised individual or group discussions, individual or group investigation and experimental work, project management, and preparation and presentation of a final project report. This subject is considered the culmination of the educational experience within the undergraduate degree program in the Department of Geomatics. The project is designed to consolidate a range of skills which are considered essential in the development of a successful professional.</p>
Assessment:	Four short literature reviews (250 words each and 10% total), a literature synthesis (1000 words 6%), peer review of draft proposals (1200 words 12%) and a full research proposal (2000 words - 12%) are completed in the first semester. A poster (10%) and paper (6000 words - 50%) are required at the end of second semester.
Prescribed Texts:	None
Recommended Texts:	Information Not Available
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:	# ability to apply knowledge of basic science and engineering fundamentals

	<ul style="list-style-type: none"> # ability to communicate effectively, not only with engineers but also with the community at large # in-depth technical competence in at least one engineering discipline # ability to undertake problem identification, formulation and solution # ability to utilise a systems approach to design and operational performance # ability to function effectively as an individual and in multi-disciplinary and multi-cultural teams, with the capacity to be a leader or manager as well as an effective team member # understanding of the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development # understanding of the principles of sustainable design and development # capacity for independent critical thought, rational inquiry and self-directed learning # intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research activity # openness to new ideas and unconventional critiques of received wisdom # profound respect for truth and intellectual integrity, and for the ethics of scholarship
Related Course(s):	Bachelor of Geomatic Engineering Bachelor of Geomatic Engineering & Bach of Planning & Design(Prop&Const) Bachelor of Geomatic Engineering and Bachelor of Arts Bachelor of Geomatic Engineering and Bachelor of Information Systems Bachelor of Geomatic Engineering and Bachelor of Science