

CVEN90047 Research Project

Credit Points:	25									
Level:	9 (Graduate/Postgraduate)									
Dates & Locations:	This subject is not offered in 2011.									
Time Commitment:	Contact Hours: 8 hours of lectures, 2 hour poster presentation, 24 hours of seminars, 10 hours subject conference Total Time Commitment: 300 hours									
Prerequisites:	None									
Corequisites:	None									
Recommended Background Knowledge:	Students are recommended to take this subject in their final two semesters of study									
Non Allowed Subjects:	When undertaking this subject students can not gain credit for the following subjects <table border="1" data-bbox="387 663 1485 869"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CVEN90020 Research Topic</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>CVEN90022 Research Investigation</td> <td>Not offered 2011</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	CVEN90020 Research Topic	Semester 1, Semester 2	12.50	CVEN90022 Research Investigation	Not offered 2011	25
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CVEN90020 Research Topic	Semester 1, Semester 2	12.50								
CVEN90022 Research Investigation	Not offered 2011	25								
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/									
Contact:	Dr Tuan Ngo dtngo@unimelb.edu.au (mailto:dtngo@unimelb.edu.au)									
Subject Overview:	<p>On conclusion of their project, students should have an appreciation of procedures involved in conducting research and have gained experience in technical writing, poster and oral presentations.</p> <p>Topics covered include guided supervision of project identification, literature review, methodology development, data analysis and reporting of a theoretical or practical research investigation on a relevant engineering topic.</p> <p>Students with an average score less than H2A equivalent in the previous 100 points of study will be required to participate in a group research project. Students with an average score of H2A and above will have the opportunity to undertake an individual research project</p>									
Objectives:	<p>On completion of this subject students should be able to:</p> <ul style="list-style-type: none"> # Search, analyse and document engineering science and other literature in order to determine the need for further research in a chosen area # Synthesize a hypothesis to be tested # Devise a methodology of investigation to test the hypothesis # Collect and analyse a range of data (qualitative and/or quantitative) and/or undertake computer modelling and simulation to implement the methodology # Write project reports which follow good engineering science practice # Present a poster and oral presentation of the findings of an investigation to an audience of peers 									
Assessment:	<p>A 2000 word report, due week 12 (10%) A 8000 word report, due at the end of semester 2 (70%) A 20 minute end of project oral presentation given in the examination period (15%) An A3-size poster presentation due end of semester 1 (5%) Hurdle requirements: The following hurdler requirements must be satisfied in order to pass this subject attend a minimum of 12 Departmental research seminars submitting a reflective diary as evidence of attendance present a research poster attend a subject based research conference</p>									

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:	<ul style="list-style-type: none"> # Ability to undertake problem identification, formulation, and solution # Ability to communicate effectively, with the engineering team and with the community at large # Ability to manage information and documentation # Capacity for creativity and innovation # Understanding of professional and ethical responsibilities, and commitment to them
Related Course(s):	Bachelor of Engineering (Environmental) and Bachelor of Arts Bachelor of Engineering (Environmental) and Bachelor of Commerce Master of Engineering Management Master of Engineering Management Master of Engineering Project Management Master of Environmental Engineering Master of Environmental Engineering
Related Majors/Minors/Specialisations:	Master of Engineering (Civil) Master of Engineering (Environmental) Master of Engineering (Structural)