

## CVEN90056 IE Research Project 3

<b>Credit Points:</b>	12.50												
<b>Level:</b>	9 (Graduate/Postgraduate)												
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.												
<b>Time Commitment:</b>	Contact Hours: 22 hours (10 hours in workshops, and 12 hours progress meetings/feedback by academic supervisors) Total Time Commitment: 150 hours												
<b>Prerequisites:</b>	This subject, as a capstone of the degree, can only be taken in the last semester of study Only students with an average score of H1 in the previous 100 points of study (BE) or in the previous 50 points of study (ME structural) are allowed to undertake this subject Students also need approval of the project supervisor (consultant academic) to be allowed to undertake this subject												
<b>Corequisites:</b>	None												
<b>Recommended Background Knowledge:</b>	None												
<b>Non Allowed Subjects:</b>	When undertaking this subject students cannot gain credit for the following subjects: <table border="1" data-bbox="387 1008 1485 1267"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CVEN90022 IE Research Project 1</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>CVEN90047 IE Research Project 2</td> <td>Semester 1, Semester 2</td> <td>25</td> </tr> <tr> <td>CVEN90020 Research Topic</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Note:</b> CVEN90020 Research Topic is discontinued</p>	Subject	Study Period Commencement:	Credit Points:	CVEN90022 IE Research Project 1	Semester 1, Semester 2	12.50	CVEN90047 IE Research Project 2	Semester 1, Semester 2	25	CVEN90020 Research Topic	Not offered 2012	12.50
Subject	Study Period Commencement:	Credit Points:											
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CVEN90047 IE Research Project 2	Semester 1, Semester 2	25											
CVEN90020 Research Topic	Not offered 2012	12.50											
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>												
<b>Coordinator:</b>	Dr Tuan Ngo												
<b>Contact:</b>	Dr Graham Moore <a href="mailto:grahamam@unimelb.edu.au">grahamam@unimelb.edu.au</a> (mailto:grahamam@unimelb.edu.au)												
<b>Subject Overview:</b>	<p>This subject provides a capstone experience for students interested in research in Infrastructure Engineering. In groups students will combine expertise to address real-world problems in a research project, potentially in contact with industry</p> <p>Students will choose their topics before Day 1 of semester. The first five weeks into the semester are structured by two-hour impulse workshops on research training, with group homework, on topics such as project development, literature review, methodology development,</p>												

	<p>presentations and scientific writing. Students will practise this input on the topics of their project, and will receive feedback on their results</p> <p>Students then continue with their projects in their groups and with regular progress meetings. At the end they will present their project and finding on a poster and in a written report</p>
<b>Objectives:</b>	<p>On completion of this subject, students should be able to:</p> <ul style="list-style-type: none"> <li># Search, analyse and document engineering science and other literature in order to determine the need for further research in a chosen area</li> <li># Devise a methodology of investigation to improve knowledge or understanding of a chosen topic</li> <li># Collect and analyse a range of data (both qualitative and quantitative) and/or undertake model simulation to improve understanding of a chosen topic</li> <li># Write a report that follows good engineering science practice</li> <li># Present a poster and oral presentation on the investigation to an audience of peers</li> </ul>
<b>Assessment:</b>	<p>Signing in for a project topic before Day 1 of the semester is a hurdle requirement to pass this subject The workshops each require a deliverable (by each group) equivalent to 1000 words within one week. These deliverables will be marked Pass/Fail only. Passing all deliverables is a hurdle requirement to pass the subject Each group must submit a report, compiled from the workshop results and the feedback received (1500 words), due mid-project (20%). Passing is a hurdle requirement Poster presentation, due end of semester (20%) Final report (4000 words), due end of semester (60%). The group marks of each component will be broken down to individual marks by peer assessment</p>
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Related Course(s):</b>	<p>Master of Engineering Management</p> <p>Master of Engineering Management</p> <p>Master of Engineering Structures</p> <p>Master of Engineering Structures</p>
<b>Related Majors/Minors/Specialisations:</b>	B-ENG Civil Engineering stream