CVEN90056 IE Research Project 3

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2013, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 22 hours (10 hours in workshops, and 12 hours progress meetings/feedback by academic supervisors) Total Time Commitment: 150 hours
Prerequisites:	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 (Bachelor of Engineering) or in the previous 50 points of study (Master of Engineering Structures) are allowed to undertake this subject Students also need approval of the project supervisor (consultant academic) to be allowed to undertake this subject
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	When undertaking this subject students cannot gain credit for the following subjects:

Subject	Study Period Commencement:	Credit Points:
CVEN90022 IE Research Project 1	Semester 1	12.50
CVEN90047 IE Research Project 2	Not offered 2013	25
CVEN90020 Research Topic	Not offered 2013	12.50

Note: *CVEN90020 Research Topic is discontinued*

Core Participation Requirements:	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. 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
Coordinator:	Assoc Prof Graham A. Moore
Contact:	Semester One: Dr Graham Moore **grahamam@unimelb.edu.au (mailto:grahamam@unimelb.edu.au)** Semester Two: Dr Biju George **biju@unimelb.edu.au (mailto:biju@unimelb.edu.au)**
Subject Overview:	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

	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, presentations and scientific writing. Students will practise this input on the topics of their project, and will receive feedback on their results 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
Objectives:	On completion of this subject, students should be able to: # Search, analyse and document engineering science and other literature in order to determine the need for further research in a chosen area # Devise a methodology of investigation to improve knowledge or understanding of a chosen topic # Collect and analyse a range of data (both qualitative and quantitative) and/or undertake model simulation to improve understanding of a chosen topic # Write a report that follows good engineering science practice # Present a poster and oral presentation on the investigation to an audience of peers
Assessment:	By mid-project each group must submit an 8 page 'project proposal' report, outlining the context, literature review, methodology and method for their project. Passing is a hurdle requirement (20%) The project culminates in a poster and oral presentation (poster 10%, presentation 10%) and a 15 page final group report in the style of a conference paper (50%). The group marks of each component will be broken down into individual marks by a peer assessment. Individual progress report, minutes of supervisor meetings, and reflections on the research process presented in 12 individual journal entries over the project period (10%) Further Hurdle Requirements: The following must be satisfied in order to pass the subject: Students must register for a project topic prior to day 1 of the first semester of study Weekly attendance at a minimum of 70% of the Departmental research seminars (or equivalent) in the project period, and completion of a critique form for each seminar will be evidence of attendance which will be marked Pass/Fail A Pass mark for the mid-project report
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
Related Course(s):	Master of Engineering Management Master of Engineering Management Master of Engineering Structures Master of Engineering Structures
Related Majors/Minors/ Specialisations:	B-ENG Civil Engineering stream