

CVEN90047 Research Project

| Credit Points: | 25 | | | | | | | | | |
|--|---|----------------|----------------------------|----------------|--------------------------|------------------------|-------|----------------------------------|------------------------|----|
| Level: | 9 (Graduate/Postgraduate) | | | | | | | | | |
| Dates & Locations: | 2010, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus. | | | | | | | | | |
| Time Commitment: | Contact Hours: 8 hours lecture, 2 hour poster presentation, 24 hours seminars, 10 hours subject conference Total Time Commitment: 300 hours for the year | | | | | | | | | |
| 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"> <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>Semester 1, Semester 2</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 | Semester 1, Semester 2 | 25 |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | |
| CVEN90020 Research Topic | Semester 1, Semester 2 | 12.50 | | | | | | | | |
| CVEN90022 Research Investigation | Semester 1, Semester 2 | 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/ | | | | | | | | | |
| Coordinator: | Assoc Prof Jeffrey Walker | | | | | | | | | |
| Contact: | Melbourne School of Engineering Ground Floor Old Engineering Building #173 The University of Melbourne VIC 3010 AUSTRALIA General telephone enquiries + 61 3 8344 6703 + 61 3 8344 6507 Facsimiles + 61 3 9349 2182 + 61 3 8344 7707 Email: eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au) | | | | | | | | | |
| Subject Overview: | 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. 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. 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. | | | | | | | | | |
| Objectives: | At the end 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 | | | | | | | | | |

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| | <ul style="list-style-type: none"> # 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: | 2000 word report due week 12 (10%)8000 word report due at the end of semester 2 (70%)20 minute end of project oral presentation given in the examination period (15%)A3-size poster presentation due end of semester 1 (5%)Attendance at Departmental research seminarsHurdle for passing the subject: attend a minimum of 12 Departmental research seminars submitting a reflective diary as evidence of attendance; present a research poster and attend a subject based research conference |
| 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): | Master of Engineering Management Master of Engineering Management Master of Environmental Engineering Master of Environmental Engineering |