

## 532PM Master of Engineering Project Management

<b>Year and Campus:</b>	2016 - Parkville																	
<b>CRICOS Code:</b>	045957G																	
<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>Level:</b>	Graduate/Postgraduate																	
<b>Duration &amp; Credit Points:</b>	100 credit points taken over 12 months full time. This course is available as full or part time.																	
<b>Coordinator:</b>	Associate Professor Colin Duffield <a href="mailto:colindf@unimelb.edu.au">colindf@unimelb.edu.au</a>																	
<b>Contact:</b>	<p>Melbourne School of Engineering</p> <p>Currently enrolled students:</p> <ul style="list-style-type: none"> <li># General information: <a href="https://ask.unimelb.edu.au">https://ask.unimelb.edu.au</a> (<a href="https://ask.unimelb.edu.au/">https://ask.unimelb.edu.au/</a>)</li> <li># <b>Contact Stop 1</b> (<a href="http://students.unimelb.edu.au/stop1">http://students.unimelb.edu.au/stop1</a>)</li> </ul>																	
<b>Course Overview:</b>	<p><b>There will be no further entry into this course.</b></p> <p>The Master of Engineering Project Management is designed to meet the needs of graduates in disciplines requiring an advanced understanding of the theoretical and practical principles of the project management function. This includes understanding of the whole process of project procurement; project team leadership skills; establishment of staff employment conditions and development of appropriate mechanisms and styles for project management.</p>																	
<b>Learning Outcomes:</b>	<p>On successful completion of the Master of Engineering Project Management a graduate should have:</p> <ul style="list-style-type: none"> <li># Developed professional skills across the full scope of project management, from "conception to completion" and enable a leadership role in the project delivery function</li> <li># Acquired skills in the initiation of projects, methods and techniques to control time cost and quality, resource management and long term stewardship of assets</li> </ul>																	
<b>Course Structure &amp; Available Subjects:</b>	<p>The Master of Engineering Project Management course is a one year 100 point program. There are two 12.5 point core subjects and a requirement to undertake at least two Project Management selective subjects plus up to four other selectives to satisfy the requirement of the program.</p>																	
<b>Subject Options:</b>	<p><b>Core (25 points)</b></p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ENGM90007 Project Management Practices</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ENGM90006 Engineering Contracts and Procurement</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Project Management Selectives</b></p> <p>An additional six subjects (75 points) are required for the course of which a minimum of two (25 points) must be from the Project Management Selectives detailed below.</p> <p>(Subjects listed under the Professional Accreditation section of this Handbook entry fulfil the educational requirements for AIPM).</p> <p>Note: MULT90014 requires the approval of both the Subject and Course coordinators.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ENGR90021 Engineering Practice and Communication</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ENGM90007 Project Management Practices	Semester 1	12.50	ENGM90006 Engineering Contracts and Procurement	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	ENGR90021 Engineering Practice and Communication	Semester 1, Semester 2	12.50
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CVEN90043 Sustainable Infrastructure Engineering	Semester 1	12.50
ENGM90010 Management of Technological Enterprises	Semester 1	12.50
MULT90014 Business Risk Management	July, Semester 1	12.50
CVEN90045 Engineering Project Implementation	Semester 2	12.50
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
ENEN90014 Sustainable Buildings	September	12.50
ENGM90015 Management and Leadership for Engineers	Semester 1	12.50

### Project Management Electives

The balance of subjects may be chosen from electives as detailed below OR

- # Any Master level subject from within the School of Engineering OR
- # Up to one elective (12.5 pts) may be selected from anywhere in the university provided it is approved by the Subject Coordinator, Course Coordinator and subject to School approval

Note: Research subjects and CVEN90052 Integrated Design are only available to approved candidates.

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
MCEN90023 Quality and Reliability	Semester 2	12.50
CVEN90059 Integrated Design - Infrastructure	Semester 1	12.50
CVEN90060 Integrated Design - Civil	Semester 2	12.50
CVEN90062 Building Information Modeling	Semester 2	12.5

#### Entry Requirements:

1. In order to be considered for entry, applicants must have completed:
  - either
    - a four year degree in an appropriate discipline with a weighted average mark of at least H3 (65%) or equivalent, or
    - an undergraduate degree in a cognate discipline with a weighted average mark of at least H3 (65%) or equivalent and two years of documented relevant professional or work experience, or
    - an undergraduate degree in an appropriate discipline with a weighted average mark of at least H3 (65%) or equivalent and a graduate certificate in an appropriate discipline with a weighted average mark of at least H3 (65%) in the certificate or equivalent, and one year of documented relevant professional or work experience, or
    - an undergraduate degree in an appropriate discipline with a weighted average mark of at least H3 (65%) or equivalent, and a graduate diploma in an appropriate discipline with a weighted average mark of at least H3 (65%) in the diploma or equivalent.

Meeting these requirements does not guarantee selection.
2. In ranking applications, the Selection Committee will consider:
  - prior academic performance; and where relevant
  - the professional experience.
3. The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Academic Board **rules** ([http://about.unimelb.edu.au/\\_data/assets/pdf\\_file/0007/1413727/Use-of-Selection-Instruments-Rules-of-the-Academic-Board-23-March-2015.pdf](http://about.unimelb.edu.au/_data/assets/pdf_file/0007/1413727/Use-of-Selection-Instruments-Rules-of-the-Academic-Board-23-March-2015.pdf)) on the use of selection instruments
4. Applicants are required to satisfy the university's English language requirements for postgraduate courses. For those applicants seeking to meet these requirements by one of the standard tests approved by the Academic Board, **performance band 6.5** (<http://about.unimelb.edu.au/academicboard/resolutions>) is required. For more information on meeting the University's English language requirements, see: <http://futurestudents.unimelb.edu.au/info/international/>

	<b><u>english and foundation programs (<a href="http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs">http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs</a>)</u></b>
<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>Graduate Attributes:</b>	The Melbourne School of Engineering closely maps subject level attributes and knowledge to align with the Australian Qualifications Framework (AQF), whilst also aligning with Attributes of the University of Melbourne Graduate, Engineers Australia competencies and its own School attributes.
<b>Professional Accreditation:</b>	<p>Professional Accreditation with the Australian Institute of Project Management:</p> <p>In addition to the core subjects, the following selective subjects are advantageous if candidates are to meet the academic requirements for professional accreditation with the Australian Institute of Project Management:</p> <ul style="list-style-type: none"> <li># CVEN90045 Engineering Project Implementation</li> <li># CVEN90043 Sustainable Infrastructure Engineering</li> <li># ENGR90021 Engineering Practice and Communication</li> <li># MULT90014 Business Risk Management</li> </ul>
<b>Generic Skills:</b>	<ul style="list-style-type: none"> <li># High level of development: written communication; application of theory to practice; critical thinking; accessing data and other information from a range of sources; receptiveness to alternate ideas</li> <li># Moderate level of development: collaborative learning; team work; system thinking</li> <li># Some level of development: use of computer software</li> </ul>