

352-EM Master of Engineering Science (Engineering Management)

Year and Campus:	2009																																															
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																																															
Level:	Graduate/Postgraduate																																															
Duration & Credit Points:																																																
Coordinator:	Dr Russell Thompson Department. of Civil and Environmental Engineering, Tel: +61 3 83446774 Email: rgthom@unimelb.edu.au																																															
Contact:	Course Coordinator Dr Russell Thompson E: rgthom@unimelb.edu.au School of Engineering Rebecca Randall E: r.randall@unimelb.edu.au																																															
Course Overview:	A three-semester program on a full-time basis comprising 150 points, consisting on the core subjects required for the Master of Development Technologies with the addition of two research subjects and a corresponding reduction in the number of points available as elective subjects.																																															
Objectives:	-																																															
Course Structure & Available Subjects:	-																																															
Subject Options:	<p>Course structure for the 100 point Master of Engineering Management.</p> <p>Core subjects (37.5 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-673 Sustainable Supply Chain Management</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>421-671 Financial Analysis of Complex Projects</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>421-672 Management of Technological Enterprises</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table> <p>Restricted elective subjects (25 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-682 Engineering Systems Management</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>325-694 Managing Innovation and Entrepreneurship</td> <td>Semester 1, Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>Research subjects (62.5 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-642 Research Topic</td> <td>Semester 1, Semester 2</td> <td>12.500</td> </tr> <tr> <td>421-644 Research Project</td> <td>Semester 1, Semester 2</td> <td>50.000</td> </tr> </tbody> </table> <p>Elective subjects (25 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-604 Environmental Management ISO 14000</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>421-616 Technology Assessment</td> <td>Semester 1</td> <td>12.500</td> </tr> <tr> <td>421-627 Sustainable Water Resources Management</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>421-681 Management for the Environment</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	421-673 Sustainable Supply Chain Management	Semester 2	12.500	421-671 Financial Analysis of Complex Projects	Semester 1	12.500	421-672 Management of Technological Enterprises	Semester 1	12.500	Subject	Study Period Commencement:	Credit Points:	421-682 Engineering Systems Management	Semester 2	12.500	325-694 Managing Innovation and Entrepreneurship	Semester 1, Semester 2	12.500	Subject	Study Period Commencement:	Credit Points:	421-642 Research Topic	Semester 1, Semester 2	12.500	421-644 Research Project	Semester 1, Semester 2	50.000	Subject	Study Period Commencement:	Credit Points:	421-604 Environmental Management ISO 14000	Semester 2	12.500	421-616 Technology Assessment	Semester 1	12.500	421-627 Sustainable Water Resources Management	Semester 2	12.500	421-681 Management for the Environment	Semester 2	12.500
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	451-610 Fundamentals of GIS	Semester 1	12.500
	451-624 Management of GIS	Semester 2	12.500
	421-654 Principles of Asset Management	Semester 1	12.500
	421-668 Sustainable Irrigation System Management	Not offered 2009	12.500
	421-663 Engineering Project Management	Semester 1	12.500
	421-664 Project Delivery	Semester 2	12.500
	421-667 Project Management Practices	Semester 2	12.500
	421-666 Management of Project Resources	Semester 2	12.500
	316-802 Macroeconomics for Managers	Semester 1, Semester 2	12.500
	316-660 Managerial Economics	Semester 1, Semester 2	12.500
	325-679 Supply Chain Management	Semester 2	12.500
	325-692 Decision Analysis	Semester 1	12.500
	325-677 People and Change	Semester 2	12.500
Entry Requirements:	<p>4 year degree in engineering or science including mathematics with an av. grade of at least 70%; a 3 year degree in Engineering or related science with an average grade of at least 70% & at least 2 years documented relevant work experience; or via pathway.</p> <p>Language Requirements</p> <p>International students and students whose prior qualifications are from a university overseas where English is not the official language of instruction and examination need to supply proof of academic English language competency. Proof acceptable to the University includes:</p> <p>Original evidence of an English Language test score at a sitting within the last 24 months of either:</p> <p># TOEFL - at least 577 and a TWE of at least 4.5 (paper based) or a TOEFL of at least 233 with an Essay Rating of at least 4.5 (computer based)</p> <p>or</p> <p>IELTS - at least 6.5. (A minimum band score of 6 is required in the Academic Writing module).</p> <p>Entry under a slightly lower Engineering alternative * English Language entry requirement is available as follows:</p> <p># TOEFL - at least 550, with a TWE of 4 or the computer based TOEFL of at least 213 with an Essay Rating Score of at least 4 and agreeing in writing to undertake and pass an ESL subject in the first semester of study at The University of Melbourne</p> <p>or</p> <p>IELTS - at least 6 and agreeing in writing to undertake and pass an ESL subject in the first semester of study at The University of Melbourne.</p> <p>* The Faculty of Engineerings English Language alternative may affect the duration and cost of your program</p>		
Core Participation Requirements:	-		
Further Study:	-		
Graduate Attributes:	-		
Generic Skills:	-		
Notes:	The final intake for this course will be Semester 2, 2009.		