

532-PM Master of Engineering Project Management

Year and Campus:	2008																																				
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																																				
Level:	Graduate/Postgraduate																																				
Duration & Credit Points:																																					
Contact:	Course Coordinator Assoc. Professor Colin Duffield E: colindf@unimelb.edu.au Faculty of Engineering Rebecca Randall E: r.randall@unimelb.edu.au																																				
Course Overview:	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.																																				
Objectives:	That a graduate of the program should: <ul style="list-style-type: none"> # develop professional skills across the full scope of project management, from "conception to completion" and enable a leadership role in the project delivery function; # acquire skills in the initiation of projects, methods and techniques to control time cost and quality, resource management and long term stewardship of assets. 																																				
Course Structure & Available Subjects:	-																																				
Subject Options:	<p>The course consists of eight subjects: two core subjects; a further minimum of two subjects from Group A; the remaining four subjects to be chosen from the list of approved electives including but not limited to Group B.</p> <p>Core subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-664 Project Delivery</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>421-663 Engineering Project Management</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>A further minimum of two subjects from:</p> <p>Group A:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-666 Management of Project Resources</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>421-654 Principles of Asset Management</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>421-667 Project Management Practices</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>Remaining four subjects to be chosen from the list of approved electives including but not limited to:</p> <p>Group B:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-511 Advanced Concrete Theory & Design</td> <td>Not offered 2008</td> <td>12.500</td> </tr> <tr> <td>421-519 Design of Environmental Systems</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>421-518 Applied Hydrology</td> <td>Not offered 2008</td> <td>6.250</td> </tr> <tr> <td>421-520 Canal Hydraulics</td> <td>Not offered 2008</td> <td>6.250</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	421-664 Project Delivery	Semester 2	12.50	421-663 Engineering Project Management	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	421-666 Management of Project Resources	Semester 2	12.50	421-654 Principles of Asset Management	Semester 1	12.50	421-667 Project Management Practices	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	421-511 Advanced Concrete Theory & Design	Not offered 2008	12.500	421-519 Design of Environmental Systems	Semester 2	12.50	421-518 Applied Hydrology	Not offered 2008	6.250	421-520 Canal Hydraulics	Not offered 2008	6.250
Subject	Study Period Commencement:	Credit Points:																																			
421-664 Project Delivery	Semester 2	12.50																																			
421-663 Engineering Project Management	Semester 1	12.50																																			
Subject	Study Period Commencement:	Credit Points:																																			
421-666 Management of Project Resources	Semester 2	12.50																																			
421-654 Principles of Asset Management	Semester 1	12.50																																			
421-667 Project Management Practices	Semester 2	12.50																																			
Subject	Study Period Commencement:	Credit Points:																																			
421-511 Advanced Concrete Theory & Design	Not offered 2008	12.500																																			
421-519 Design of Environmental Systems	Semester 2	12.50																																			
421-518 Applied Hydrology	Not offered 2008	6.250																																			
421-520 Canal Hydraulics	Not offered 2008	6.250																																			

421-516 Hydraulics and Hydrology	Semester 2	12.50
421-625 Case Studies in Development Technologies	2	12.500
421-521 Coastal Engineering	Not offered 2008	12.500
421-513 Computer Aided Design (Masters)	Not offered 2008	6.250
421-626 Design of Energy Systems	Semester 2	12.50
421-517 Earthquake Engineering (Masters)	Not offered 2008	6.250
421-629 Energy Efficiency Technology	Semester 2	12.50
421-619 Energy for Sustainable Development	Semester 2	12.50
421-825 Energy from Biomass and Wastes	Not offered 2008	12.500
421-505 Engineering Hydraulics	Semester 1	12.50
421-680 Engineering for Sustainable Environments	Summer	12.50
421-553 Engineering Systems Management (Masters)	1	12.500
421-522 Environmental Engineering Design	Semester 2	12.50
421-604 Environmental Management ISO 14000	Semester 2	12.50
421-525 Field Data Acquisition and Analysis	Semester 1	12.50
421-636 Applied Fortran Programming	Semester 2	12.50
421-602 Air Quality Control	Semester 1	12.50
421-514 General Structural Design	Not offered 2008	6.250
421-539 Geotechnical Applications	Semester 2	12.50
421-697 Heating, Ventilation and Airconditioning	Semester 1	12.50
421-515 High Rise Structures (Masters)	Not offered 2008	12.500
421-637 Indoor Environment Quality	Not offered 2008	12.500
421-523 Occupational Health and Safety Basics	Semester 1, Semester 2	12.50
421-605 Managing Water Borne Risks	Semester 2	12.50
421-681 Management for the Environment	Semester 2	12.50
421-668 Sustainable Irrigation System Management	Semester 1	12.50
421-640 Water Supply and Waste Water Management	Semester 1	12.50
421-580 Hydrological Processes 1	Semester 1	12.50
421-581 Hydrological Processes 2	Semester 1	12.50
421-609 Technology in Society	Semester 1	12.50
421-606 Solid Wastes to Sustainable Resources	Semester 1	12.50
421-649 Special Studies	Semester 1, Semester 2	12.50
421-512 Structural Dynamics	Not offered 2008	6.250
421-627 Sustainable Water Resources Management	Semester 2	12.50

	421-616 Technology Assessment	Semester 1	12.50
	421-547 Transport Engineering (Masters)	Not offered 2008	12.500
	421-548 Transport Systems (Masters)	2	12.500
Entry Requirements:	<p>Entry Requirements</p> <p>The academic requirements for admission to the Masters program are:</p> <ul style="list-style-type: none"> # The equivalent of a University of Melbourne (engineering or science) four-year degree in a relevant discipline with an average grade of at least 65%. # Applicants with the equivalent of a University of Melbourne four-year pass standard degree in a relevant discipline may enter the program after completing a Graduate/Postgraduate Certificate consisting of 50 points (approximately six months of study) with a minimum grade of 65% or a semester of prescribed preliminary studies. # Applicants with the equivalent of a University of Melbourne three-year degree are required to complete a Graduate/Postgraduate Diploma in Engineering consisting of 100 points (approximately twelve months of study) or provide written evidence of appropriate work experience of at least two years or a combination of Graduate/Postgraduate Certificate in Engineering and appropriate work experience. <p>All matters of selection, credit and progression are at the discretion of the Faculty Postgraduate Course Selection Committee.</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 Engineering's English Language alternative may affect the duration and cost of your course.</p>		
Core Participation Requirements:	-		
Further Study:	-		
Graduate Attributes:	-		
Generic Skills:	-		