

352-WR Master of Engineering Science (Water Resource 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:	Assoc.Professor Hector Malano Dept. of Civil and Environmental Engineering, Tel: +61 3 83446645 Email: hectormm@unimelb.edu.au																													
Contact:	<p>Course Coordinator: Assoc. Professor H M Malano E: hectormm@unimelb.edu.au</p> <p>School of Engineering: Rebecca Randall E: r.randall@unimelb.edu.au</p>																													
Course Overview:	<p>The Graduate Program in Water Resources Management is designed to meet the theoretical and practical needs of professionals working in water resources authorities, consultancy, education and related fields.</p> <p>The program provides participants with a broad understanding of the issues involved in water resources management and development. Participants are able to focus on various areas of water resources management by tailoring their programs to their specific needs and interests.</p> <p>Participants are able to choose from a wide range of elective subjects and focus their program on various areas including water science and engineering, management or institutional aspects of water resources.</p> <p>Themes covered include: irrigation and drainage design and management, surface hydrology, groundwater hydrology, surface and groundwater quality management, water resources allocation and competition, water resources policy, water resources institutions, water resources economics, and institutional, legal and political framework.</p>																													
Objectives:	<p>That a graduate of the program should:</p> <ul style="list-style-type: none"> # acquire skills in the planning, developing and managing of water resource systems in a sustainable manner; # gain experience of research in a chosen area of water resources management, development and use; # gain advanced knowledge of principles and implementation of integrated water resources management. 																													
Subject Options:	<p>CourseStream 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>421-642 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> <tr> <td>421-668 Sustainable Irrigation System Management</td> <td>Not offered 2009</td> <td>12.500</td> </tr> <tr> <td>421-627 Sustainable Water Resources Management</td> <td>Semester 2</td> <td>12.500</td> </tr> </tbody> </table> <p>Restricted Elective Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>421-516 Hydraulics and Hydrology</td> <td>Semester 2</td> <td>12.500</td> </tr> <tr> <td>421-609 Technology in Society</td> <td>Not offered 2009</td> <td>12.500</td> </tr> <tr> <td>421-616 Technology Assessment</td> <td>Semester 1</td> <td>12.500</td> </tr> </tbody> </table>			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	421-668 Sustainable Irrigation System Management	Not offered 2009	12.500	421-627 Sustainable Water Resources Management	Semester 2	12.500	Subject	Study Period Commencement:	Credit Points:	421-516 Hydraulics and Hydrology	Semester 2	12.500	421-609 Technology in Society	Not offered 2009	12.500	421-616 Technology Assessment	Semester 1	12.500
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	421-640 Water Supply and Waste Water Management	Semester 1	12.500
Core Participation Requirements:	<p>Elective Subjects</p> <p>37.5 points of subjects chosen from Electives Table or other subjects approved by the Course Coordinator (not more than 25 points research)</p> <p>See the Engineering Postgraduate handbook for electives.</p> <p><p>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.</p> <p>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</p></p>		
Notes:	The final intake for this course will be Semester 2, 2009.		