217WR Master of Water Resource Management

Year and Campus:	2010 - Parkville
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	100 credit points taken over 12 months full time. This course is available as full or part time.
Coordinator:	Assoc.Professor Hector Malano
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Course Overview:	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. 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. 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. 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.
Objectives:	That a graduate of the program should: # 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
Course Structure & Available Subjects:	The Master of Water Resources Management is a 1 year 100 point program. There is no further intake into the course. Students who have not completed should seek course advice.
Subject Options:	**Core Subjects** 2 compulsory subjects each 12.5 points 421-640 Water Supply and Waste Water Management has been replaced by 421-685 in 2010

Subject	Study Period Commencement:	Credit Points:
CVEN90019 Sustainable Water Resources Systems	July	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50

Restricted Elective Subjects

Restricted Elective Subjects (a minimum of 25 points)

Students who have not completed their 25 points of restricted electives need to seek course advice.

Restricted elective subjects no longer offered:

421-609 Techology in Society

421-616 Technology Assessment (/view/2009/421-616)

421-516 Hydraulics and Hydrology (/view/2009/421-516)

Subject	Study Period Commencement:	Credit Points:
CVEN90043 Sustainable Infrastructure Systems	Semester 1	12.50

Elective Subjects

Elective Subjects
37.5 points of subjects chosen from Electives Table or other subjects approved by the Course Coordinator (not more than 25 points research)

Subject	Study Period Commencement:	Credit Points:
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50
ENEN90028 Monitoring Environmental Impacts	Semester 2	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50
ENEN90025 Design of Environmental Systems	Semester 2	12.50
CVEN90027 Geotechnical Applications	Semester 2	12.50
CVEN90012 Hydrological Processes 1	Semester 1	12.50
CVEN90014 Hydrological Processes 2	Semester 1	12.50
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
ENEN90006 Solid Wastes to Sustainable Resources	Semester 1	12.50
ENEN90011 Energy Efficiency Technology	Semester 2	12.50
ENEN90033 Solar Energy	Semester 1	12.50
ENGM90004 Engineering Project Management	Semester 1	12.50
ENGM90006 Engineering Contracts and Procurement	Semester 2	12.50
ENGM90007 Project Management Practices	Semester 1	12.50
ENEN90016 Engineering for Sustainable Environments	February	12.50
ENEN90027 Energy for Sustainable Development	Semester 1	12.50
CVEN90024 Design of High Rise Structures	Semester 1	12.50

Entry Requirements:	There is no further intake into this course. Last intake was semester 2 2009. The Master of Environmental Engineering is offered as the replacement. The Master of Environmental Engineering includes a Water Resources focus.
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/
Graduate Attributes:	The University of Melbourne graduate attributes