

441AA Postgraduate Certificate in Environment

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:	50 credit points taken over 6 months full time. This course is available as full or part time.																																						
Coordinator:	Associate Professor Simon Batterbury																																						
Contact:	<p>The Office for Environmental Programs Director: Dr Simon Batterbury Managers: Dr Helen Duckham Administrative Assistants: Mr Pete Morgan and Ms Hannah King Email: query-environment@unimelb.edu.au T: +61 3 8344 5073 F: +61 3 8344 5650</p>																																						
Course Overview:	The Postgraduate Certificate in Environment is a flexible, multidisciplinary course. Depending on their academic background, interests and career aspirations students can choose from over 160 subjects taught by 10 different faculties. The course is 50 points (equivalent to four subjects or six months full-time study).																																						
Objectives:	<p>Students who complete the Postgraduate Certificate in Environment will have:</p> <ul style="list-style-type: none"> • An advanced understanding of environmental issues • Advanced skills and techniques applicable to changing and managing the environment • An ability to evaluate and synthesise research and professional literature in the chosen stream or focus of study • An advanced understanding of the international context and sensitivities of environmental assessment 																																						
Course Structure & Available Subjects:	The subjects available are listed below.																																						
Subject Options:	<p>Cross Faculty Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MULT90005 Trans-disciplinary thinking & learning</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>MULT90004 Sustainability Policy and Management</td> <td>March</td> <td>12.50</td> </tr> <tr> <td>950-602 Introductory Environmetrics</td> <td>Not offered 2010</td> <td></td> </tr> <tr> <td>ENST90006 Environmental Research Review</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>ENST90007 Environmental Research Topic</td> <td>Semester 1, Semester 2</td> <td>25</td> </tr> <tr> <td>ENST90016 Environmental Research Project</td> <td>Semester 1, Semester 2</td> <td>50</td> </tr> <tr> <td>ENST70001 Environmental Research Proj (long) MYE</td> <td>Semester 1, Semester 2</td> <td>50</td> </tr> </tbody> </table> <p>Arts</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>121-408 Civil Society, NGOs and the State</td> <td>Not offered 2010</td> <td></td> </tr> <tr> <td>DEVT40005 Research Methods for Development</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>DEVT40006 Gender Issues in Development</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	MULT90005 Trans-disciplinary thinking & learning	Semester 2	12.50	MULT90004 Sustainability Policy and Management	March	12.50	950-602 Introductory Environmetrics	Not offered 2010		ENST90006 Environmental Research Review	Semester 1, Semester 2	12.50	ENST90007 Environmental Research Topic	Semester 1, Semester 2	25	ENST90016 Environmental Research Project	Semester 1, Semester 2	50	ENST70001 Environmental Research Proj (long) MYE	Semester 1, Semester 2	50	Subject	Study Period Commencement:	Credit Points:	121-408 Civil Society, NGOs and the State	Not offered 2010		DEVT40005 Research Methods for Development	Semester 2	12.50	DEVT40006 Gender Issues in Development	Semester 2	12.50
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DEVT90001 Project Management & Design	Semester 1	12.50
DEVT90002 Internship in Development	January, Semester 1, Semester 2	12.50
DEVT90008 International Internship	January, Semester 1, Semester 2	25
DEVT90009 Understanding Development	Semester 1	12.50
136-506 Pacific History, Environment & Science	Not offered 2010	
136-527 Environment and Knowledge	Not offered 2010	
PHIL90015 Issues in Professional & Applied Ethics	Semester 2	12.50
POLS40004 Justice, Democracy and Difference	Semester 1	12.50
PPMN40002 Organisations and Management	Semester 2	12.50
SOCI90002 Foundations of Social Policy	Semester 1	25
SOCI90004 Contemporary Social Problems	Semester 2	12.50
ENST90005 Environmental Policy	Semester 2	12.50
SOCI90003 Comparative Social Policy	Semester 2	12.50
POLS90009 International Relations Internship	Semester 1, Semester 2	25
166-548 International Political Economy	Not offered 2010	
POLS90015 Business and Government	Semester 2	12.50

Melbourne School of Land and Environment

Subject	Study Period Commencement:	Credit Points:
121-511 Management of Australian Ecosystems	Not offered 2010	12.50
GEOG90003 Integrated River & Catchment Management	Semester 2	12.50
121-525 The Political Ecology of Development	Not offered 2010	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
ANTH90001 Heritage and Cultural Environments	Semester 2	12.50
ENST90004 Climate Change Politics and Policy	Semester 1	12.50
207-408 Managing Urban Green Space	Not offered 2010	
HORT90003 Plants and the Urban Environment	Semester 1	12.50
207-416 Management of Australia's Fauna	Not offered 2010	
HORT90004 Contemporary Plant Production & Establishment	Semester 1	12.50
HORT90006 Garden History & Design	Semester 2	12.50
HORT90007 Managing Trees in Urban Landscapes	June	12.50
HORT90009 Urban Horticultural Flora	Semester 2	12.50
NRMT90002 Management of Plant and Animal Invasions	Semester 2	12.50

EVSC90001 Global Environment and Sustainability	February	12.50
NRMT90003 Social Research Methods	Semester 1	12.50
207-508 Conservation Genetics	Not offered 2010	12.50
207-509 Case Studies in Catchment Management	Not offered 2010	
AGRI90066 Soil Science and Management	Semester 1	12.50
NRMT90007 Community Natural Resource Management	Semester 2	12.50
HORT90011 Social & Therapeutic Horticulture	April	12.50
GEOG90007 Development and Environment in China	June	25
207-835 Agroforestry	Not offered 2010	
MAST40001 Research Philosophies and Statistics	Semester 1	12.50
NRMT90014 Sustainable Landscapes	Semester 1	12.50
208-502 Sustainable Food and Fibre Production	Not offered 2010	
MAST90008 Research Philosophies & Statistics	Semester 1	12.50
AGRI90057 Climate Change: Agric. Impacts & Adaptation	June	12.50
GEOG90006 Fundamentals & Management of GIS	Semester 1	12.50
AGRI90068 Project Evaluation	February	12.50
FRST90015 Forest Ecosystems	February	12.50
FRST90016 Trees in a Changing Climate	May	12.50
FRST90020 Silviculture & Forest Dynamics	August	12.50
FRST90021 Sustainable Forest Management	October	12.50
FRST90022 Forests and Water	August	12.50
220-502 Bushfire & Climate	Not offered 2010	12.50
FRST90026 Bushfire & Biodiversity	September	12.50
220-506 International Forest Policy	Not offered 2010	12.50
FRST90030 Forests in the Asia Pacific Region	November	12.50
FRST90031 Timber in the Built Environment	June	12.50
FRST90032 Forests, Carbon and Climate Change	June	12.50
FRST90033 Farm Trees & Agroforestry	April	12.50
FRST90034 Ecological Restoration	July	12.50
FRST90035 Forest Internship Project	Year Long	25
220-721 Environmental Properties & Wood Products	Not offered 2010	
DEVT40003 Geopolitics & Development	Not offered 2010	12.50

Veterinary Science

Subject	Study Period Commencement:	Credit Points:
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VETS90016 Wildlife Management	Semester 1	12.50
Business and Economics		
Subject	Study Period Commencement:	Credit Points:
MGMT90019 Strategic Management	Semester 1, Semester 2	12.50
MKTG90009 Advertising	Semester 2	12.50
MGMT90031 Project Management	Semester 1, Semester 2	12.50
MGMT90022 Managing Organisational Change	March	12.50
MGMT90018 Human Resource Management	Semester 1, Semester 2	12.50
MGMT90030 Managing Innovation and Entrepreneurship	Semester 1, Semester 2	12.50
ECON90002 Microeconomics	Semester 1	12.50
ECON40012 Development Economics	Semester 2	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
Engineering		
Subject	Study Period Commencement:	Credit Points:
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50
421-516 Hydraulics and Hydrology	Not offered 2010	
ENEN90025 Design of Environmental Systems	Semester 2	12.50
421-522 Environmental Engineering Design	Not offered 2010	
421-523 Occupational Health and Safety Basics	Not offered 2010	
421-525 Field Data Acquisition and Analysis	Not offered 2010	
CVEN90027 Geotechnical Applications	Semester 2	12.50
CVEN90012 Hydrological Processes 1	Semester 1	12.50
CVEN90014 Hydrological Processes 2	Semester 1	12.50
421-602 Air Quality Control	Not offered 2010	
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
421-605 Managing Water Borne Risks	Not offered 2010	
ENEN90006 Solid Wastes to Sustainable Resources	Semester 1	12.50
421-616 Technology Assessment	Not offered 2010	
421-626 Design of Energy Systems	Not offered 2010	
CVEN90019 Sustainable Water Resources Systems	July	12.50
ENEN90011 Energy Efficiency Technology	Semester 2	12.50
421-640 Water Supply and Waste Water Management	Not offered 2010	
CVEN90020 Research Topic	Semester 1, Semester 2	12.50

421-668 Sustainable Irrigation System Management	Not offered 2010	
ENEN90014 Sustainable Buildings	September	12.50
421-673 Sustainable Supply Chain Management	Not offered 2010	
ENEN90016 Engineering for Sustainable Environments	February	12.50
421-681 Management for the Environment	Not offered 2010	
421-682 Engineering Systems Management	Not offered 2010	
ENEN90029 Water and Waste Water Management	Semester 1	12.50
421-697 Heating, Ventilation and Airconditioning	Not offered 2010	
421-711 Solar Energy	Not offered 2010	
451-607 Land Administration (Masters)	Not offered 2010	
GEOM90006 Spatial Analysis	Semester 2	12.50
GEOM90005 Remote Sensing	Semester 2	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
ENEN90027 Energy for Sustainable Development	Semester 1	12.50

Education

Subject	Study Period Commencement:	Credit Points:
EDUC90013 Teaching With Information Technology	Semester 2	25
485-833 Multimedia and the Web for Education	Not offered 2010	25
EDUC90006 Environmental Education	Semester 1	12.50
EDUC90623 Education, Experience and Place	Semester 2	12.50
EDUC90624 Framing Education for Sustainability	Semester 1	12.50
EDUC90626 Transforming Sustainability Education	Semester 2	12.50

Medicine, Dentistry and Health Services

Subject	Study Period Commencement:	Credit Points:
505-500 Health, Ethics and Society	Not offered 2010	
505-502 Culture, Health and Illness	Not offered 2010	
505-520 Database Systems in Epidemiology Studies	Not offered 2010	
POPH90066 Women and Global Health	July	12.50
POPH90071 Aboriginal Health: Past to Present	Semester 1	12.50
POPH90075 Living Longer: Global Perspectives	Semester 1	12.50
POPH90086 International Child Health	November	12.50
POPH90088 Disability in Developing Countries	September	12.50
POPH90090 Health Program Evaluation 2	Semester 2	12.50
POPH90094 Health Economics 1	Semester 1	12.50

POPH90095 Economic Evaluation 2	Semester 2	12.50
505-922 Research Methods in Social Health	Not offered 2010	
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90135 Drugs and Society: a global perspective	September	12.50
POPH90137 Primary Health Care, Jamkhed, India	January, November	12.50
505-966 Environmental Health Services Evaluation	Not offered 2010	
POPH90142 Epidemiology & Analytic Methods 1	March	12.50
POPH90143 Epidemiology & Analytic Methods 2	April	12.50
POPH90144 Linear & Logistic Regression	July	12.50
POPH90145 Survival Analysis & Regression for Rates	September	12.50
POPH90146 Study Design in Epidemiology	May	12.50
POPH90190 HIV and AIDS:An Evolving Global Response	Semester 1	12.50
512-545 Enviromental Psychology 5	Not offered 2010	

Science

Subject	Study Period Commencement:	Credit Points:
EVSC90009 Problem Solving in Environmental Science	Semester 2	12.50
EVSC90010 Environmental Risk Assessment	Semester 1	12.50
EVSC90016 Environmental Monitoring and Audit	Semester 2	12.50
EVSC90017 Global Environmental Change	Semester 1	12.50
BOTA90005 Flora of Victoria	February	12.50
606-608 Restoration Ecology	Not offered 2010	12.50
CHEM90007 Environmental Chemistry	Semester 2	12.50
MAST90007 Statistics for Research Workers	February	12.50
GEOL90005 Hydrogeology	Semester 1	12.50
ATOC90002 Climate Affairs	Semester 2	12.50
654-608 Conservation Biology	Not offered 2010	12.50
BIOL90002 Biometry	July	12.50

Architecture, Building and Planning

Subject	Study Period Commencement:	Credit Points:
ABPL90120 Building Sustainability	September	12.50
ABPL90132 Land Use and Urban Design	Semester 2	12.50
ABPL90135 Analytical Methods	Semester 1	12.50
ABPL90278 Comparative Urbanisation & Governance	February	12.50
ABPL90016 Asset Management	Semester 1	12.50

702-614 Regenerating Buildings	Not offered 2010	12.50
ABPL90152 Sustainable Tropical Housing	October	12.50
ABPL90153 Complex Building Energy Modelling	January	12.50
ABPL90032 Resource Friendly Building Operations	Semester 1	12.50
ABPL90030 Project Evaluation and Management	September	12.50
ABPL90086 Environmental Systems (PG)	Semester 2	12.50
702-874 Investigation Program A (PG)	Not offered 2010	12.50
ABPL90049 Environmental Design	Semester 1	12.50
ABPL90056 Transport Politics and Public Policy	Semester 1	12.50
705-538 Planning Asia Pacific Cities Studio	Not offered 2010	12.50
705-624 Indigenous Conceptions of Landscape	Not offered 2010	12.50
ABPL90246 The Economy of Cities and Regions	Semester 2	12.50
ABPL90022 Healthy Communities	Semester 2	12.50
ABPL90009 Participation and Negotiation	July	12.50
ABPL90065 Managing Global City Regions	January	12.50
ABPL90064 Planning Urban Sustainability	Semester 2	12.50
ABPL90062 Planning Theory & Governance (Masters)	Semester 1	12.50
ABPL90072 Landscape Studio 5:Sustainable Urbanism	Semester 1	25
705-676 Landscape Heritage & Conservation	Not offered 2010	12.50
ABPL90078 Contemporary Landscape Theory	Semester 1	12.50
ABPL90077 Transportation, Land Use and Urban Form	Semester 1	12.50
705-835 Advanced Urban Planning & Design	Not offered 2010	12.50

Law

Subject	Study Period Commencement:	Credit Points:
LAWS70028 International Trade Law	June	12.50
LAWS70068 Environmental Law	September	12.50
LAWS70032 Infrastructure Delivery A	April	12.50
LAWS70141 Energy Regulation and the Law	March	12.50
LAWS70149 Construction Risk	September	12.50
LAWS70161 International Petroleum Transactions	May	12.50
730-816 Water Law	Not offered 2010	
LAWS70205 Project Finance	October	12.50
LAWS70219 International Environmental Law	September	12.50
LAWS70236 Indigenous Peoples, Land & Resource Law	September	12.50

	LAWS70239 Payment Matters in Construction Projects	August	12.50
	LAWS70293 Climate Change Law	April	12.50
	LAWS70314 Principles of Construction Law	February, August	12.50
Entry Requirements:	You will gain entry to the Postgraduate Certificate if you have: # An undergraduate degree in a relevant discipline; or # completed the Graduate Diploma in Environment with an average of 70% or above		
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 course are articulated in the Course Description, Course Objectives and Generic Skills 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/		
Further Study:	Postgraduate Diploma in Environment; Master of Environment.		
Graduate Attributes:	Expertise in multidisciplinary understanding, analysis and research with an environmental focus. Collaborative approaches to environmental problem solving. Capacity to engage in critical social and sustainability questions.		
Generic Skills:	Multidisciplinary and trans-disciplinary knowledge and research of environmental relevance. Collaborative environmental management skills. Capacity for independent learning across disciplinary boundaries.		