

441ME Master of Environment

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| 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: | | | | |
| Coordinator: | Associate Professor Simon Batterbury | | | |
| Contact: | The Office for Environmental Programs Director: Dr Simon Batterbury Associate Directors: Mr Arnaud Gallois and Dr Natalie Jamieson Manager: Dr Helen Duckham Administrative Assistants: Mr Pete Morgan and Ms Hannah King Email: query-environment@unimelb.edu.au | | | |
| Course Overview: | The two year Master of 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 200 points (equivalent to sixteen subjects or two full time-years of study). | | | |
| Objectives: | Students who complete the Master of Environment will have: <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: | After completion of the first 8 subjects (100 points) there is the option of undertaking: one of eleven specialist streams, or the tailored program. Specialist streams Streams are paths of study designed by experts in the field and approved by the programs academic and external advisors. Streams available are: <ul style="list-style-type: none"> • Development • Conservation, Restoration and Landscape Management • Integrated Catchment Management • Energy Studies • Waste Management • Public Health • Education • Governance, policy and communication • Sustainable cities sustainable regions • Sustainable forests • Energy efficiency modelling and implementation The streams offer a choice of compulsory subjects, in addition to two core subjects. The tailored program In the tailored program students complete two core subjects. Additional subjects are chosen depending on academic background. Note that prerequisites may apply. An academic advisor will help you develop your study plan. | | | |
| Majors/Minors/ Specialisations | Development <table border="1" style="width: 100%;"> <tr> <td style="background-color: #cccccc;">Major/Minor/Specialisation</td> </tr> <tr> <td>Development</td> </tr> </table> Conservation, Restoration and Landscape Management <table border="1" style="width: 100%;"> <tr> <td style="background-color: #cccccc;">Major/Minor/Specialisation</td> </tr> </table> | Major/Minor/Specialisation | Development | Major/Minor/Specialisation |
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| Development | | | | |
| Major/Minor/Specialisation | | | | |

Conservation, Restoration and Landscape Management

Integrated Water Catchment Management

Major/Minor/Specialisation

Integrated Water Catchment Management

Energy Studies

Major/Minor/Specialisation

Energy Studies

Waste Management

Major/Minor/Specialisation

Waste Management

Public Health

Major/Minor/Specialisation

Public Health

Education

Major/Minor/Specialisation

Education

Governance, Policy and Communication

Major/Minor/Specialisation

Governance, Policy and Communication

Sustainable Cities, Sustainable Regions

Major/Minor/Specialisation

Sustainable Cities, Sustainable Regions

Sustainable Forests

Major/Minor/Specialisation

Sustainable Forests

Energy Efficiency Modelling and Implementation

Major/Minor/Specialisation

Energy Efficiency Modelling and Implementation

Climate Change

Major/Minor/Specialisation

Climate Change

Subject Options:

The Tailored Stream

Students who take the tailored stream are able to choose from the following subjects, subject to approval from their academic advisor.

Cross Faculty Subjects

| Subject | Study Period Commencement: | Credit Points: |
|--|----------------------------|----------------|
| MULT90004 Sustainability Policy and Management | March | 12.50 |
| MULT90005 Trans-disciplinary thinking & learning | Semester 2 | 12.50 |
| 950-602 Introductory Environmetrics | Not offered 2010 | |

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| 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 |

Arts Subjects

| 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 |
| DEVT40005 Research Methods for Development | Semester 2 | 12.50 |
| 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 Subjects

| 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 |

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| 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 |
| DEVT40003 Geopolitics & Development | Not offered 2010 | 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 |

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| 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 | |

Veterinary Science Subjects

| Subject | Study Period Commencement: | Credit Points: |
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| VETS90016 Wildlife Management | Semester 1 | 12.50 |

Economics Subjects

| Subject | Study Period Commencement: | Credit Points: |
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| 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 Subjects

| Subject | Study Period Commencement: | Credit Points: |
|---|----------------------------|----------------|
| 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 | |

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| 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 | |
| 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 |
| ENEN90031 Quantitative Environmental Modelling | Semester 1 | 12.50 |
| ENEN90032 Environmental Analysis Tools | Semester 2 | 12.50 |
| ENEN90029 Water and Waste Water Management | Semester 1 | 12.50 |
| ENEN90031 Quantitative Environmental Modelling | Semester 1 | 12.50 |
| ENEN90032 Environmental Analysis Tools | Semester 2 | 12.50 |
| ENEN90029 Water and Waste Water Management | Semester 1 | 12.50 |
| ENEN90027 Energy for Sustainable Development | Semester 1 | 12.50 |

Education Subjects

| 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 Sciences Subjects

| Subject | Study Period Commencement: | Credit Points: |
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| 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 |
| POPH90146 Study Design in Epidemiology | May | 12.50 |
| POPH90190 HIV and AIDS:An Evolving Global Response | Semester 1 | 12.50 |
| 512-545 Environmental Psychology 5 | Not offered 2010 | |

Science Subjects

| Subject | Study Period Commencement: | Credit Points: |
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| 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 |

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| 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 Subjects

| 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 |
| 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 Faculty Subjects

| Subject | Study Period Commencement: | Credit Points: |
|--|----------------------------|----------------|
| LAWS70028 International Trade Law | June | 12.50 |
| LAWS70032 Infrastructure Delivery A | April | 12.50 |
| LAWS70068 Environmental Law | September | 12.50 |
| LAWS70141 Energy Regulation and the Law | March | 12.50 |
| LAWS70149 Construction Risk | September | 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 |

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| Entry Requirements: | <ul style="list-style-type: none"> • An undergraduate degree in a relevant discipline; or • Completion of the Graduate Diploma in Environment with an average of 70% or higher. |
| 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: | Students who undertake research projects of 25 points or more may be eligible for RHD study. |
| 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. |
| Links to further information: | http://www.environment.unimelb.edu.au |