

Environment and Public Health

Year and Campus:	2016
Coordinator:	Associate Professor Melanie Davern (Population Health)
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Overview:	<p>Environment and Public Health is offered as a major field of study in the Master of Environment degree.</p> <p>At this time in history it is hard to imagine a topic more important than the impacts of the environment on human health. The very life support systems of clean air, fresh water, a safe climate, food security and biodiversity are under stress.</p> <p>The Environment and Public Health stream is designed to ensure students are preparing for a career in the intersection between health and the environment. Recent years have seen new roles emerging that focus on policy, advocacy, research, and environmental management in relation to health and environment. This stream helps prepare students for these key roles.</p> <p>Study in this field will provide you with the tools used in environmental health practice, and by public health practitioners. These include surveillance, monitoring, observation, analysis, and selected techniques in biostatistics, epidemiology and health economics. Other skills we develop are more specific to environmental health or environmental studies, such as environmental, social and health impact assessment and qualitative and quantitative analysis.</p> <p>This stream is a specialist companion program to the Master of Environment and Public Health which is offered at the University of Melbourne.</p>
Learning Outcomes:	<p>Students who complete the Master of Environment will have:</p> <ul style="list-style-type: none"> # Knowledge to undertake professional practice in environment or sustainability, including: <ul style="list-style-type: none"> # Specialised knowledge in an environmental discipline or field of practice, including knowledge of recent developments in this field # Knowledge of the cross-disciplinary nature of environmental issues and professional practice to promote sustainable futures # Knowledge of research principles and methods applicable to specialist field of environmental inquiry # Skills for collaborative and creative problem solving in environmental practice, including: <ul style="list-style-type: none"> # Ability to critically analyse and synthesise environmental knowledge # Ability to envision environmental change and propose pathways to realise this change # Ability to communicate complex environmental knowledge and research effectively to a range of audiences # Ability to work effectively in cross-disciplinary teams # Technical skills for professional practice and research in field of specialisation # Demonstrated capacity to: <p>Upon successful completion of the Environment and Public Health specialisation, students will be able to:</p> <ul style="list-style-type: none"> # Analyse, assess and monitor the impacts of environments on public health; # Propose strategies for creating and maintaining environments that promote good public health; and <p>Collaborate with professionals across disciplines and sectors to identify and manage environmental health problems.</p>
Structure & Available Subjects:	<p>Students will be required to complete the two core subjects, plus two compulsory specialisation subjects. Students in the 200 point pathway must also take at least 12.5 points of subjects from the compulsory capstone subjects – these subjects enable students to complete an independent project related to professional practices in environment and public health. Students in the 100 point pathway will not normally be required to complete this component. Students must also undertake electives to make up the balance of the award. The selection of electives is made in consultation with the Environment and Public Health major coordinator. A full list of subjects available within this specialisation can be found here:</p>

http://environment.unimelb.edu.au/courses/streams/public_health (http://environment.unimelb.edu.au/courses/streams/public_health)

Subject Options:**Core subjects**

Students must take the following core subjects:

Subject	Study Period Commencement:	Credit Points:
MULT90004 Sustainability Governance and Leadership	March, July	12.50
MULT90005 Interdisciplinarity and the Environment	Semester 2	12.50

Compulsory Specialisation Subjects

Students must take the following compulsory specialisation subjects:

Subject	Study Period Commencement:	Credit Points:
POPH90014 Epidemiology 1	Semester 1	12.50
POPH90217 Foundations of Public Health	February	12.50
POPH90230 Environmental Challenges & Global Health	July	12.5

Compulsory Capstone Experience

Students must complete at least 12.5 points from the following compulsory capstone subjects - please note that if you select either a 25 or 50 point subject that spreads across two semesters you must enrol into the subject in both semesters (your student centre will be able to assist with this). Students completing the 100 point pathway will normally be exempt from this requirement.

Subject	Study Period Commencement:	Credit Points:
ENST90006 Environmental Research Review (12.5)	Semester 1, Semester 2	12.50
ENST90007 Environmental Research Project (25)	Semester 1, Semester 2	25
ENST90024 Environmental Research Project - 25 Long	Semester 1, Semester 2	12.50
ENST90016 Environmental Research Project (50)	Semester 1, Semester 2	50
ENST70001 Environmental Research Proj (50 Long)	Semester 1, Semester 2	25
ENST90025 Environmental Industry Research (25)	Semester 1, Semester 2	25
ENST90026 Environmental Industry Research: 25 Long	Semester 1, Semester 2	12.50
ENST90020 Environmental Industry Research (50)	Semester 1, Semester 2	50
ENST70002 Environmental Industry Research: 50 Long	Semester 1, Semester 2	25
DEVT90002 Internship in Development	January, Semester 1, Semester 2	12.50
DEVT90008 International Internship in Development	January, Semester 1, Semester 2	25
GEOG90022 International Internship in Environment	Summer Term, Semester 1, Semester 2	25
AGRI90076 Industry Internship	Summer Term, Semester 1, Semester 2	12.5

Elective Subjects

Students should make up the balance of the award with electives. Subjects in the list below are recommended. Other subjects may be taken with the approval of stream coordinator.

Subject	Study Period Commencement:	Credit Points:
POPH90013 Biostatistics	Semester 1	12.50
GEOG90021 Conservation and Cultural Environments	Semester 1	12.50
CHEM90007 Environmental Chemistry	Semester 1	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
EVSC90014 Environmental Risk Assessment	November	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
LAWS70068 Environmental Law	September	12.50
POPH90020 Health Promotion	February	12.50
POPH90058 Health Program Evaluation 1	Semester 1	12.50
POPH90066 Women and Global Health	September	12.50
POPH90071 Indigenous Health and History	March	12.50
POPH90086 International Child Health	October	12.50
POPH90087 International Adolescent Health	February	12.50
POPH90088 Disability in Developing Countries	September	12.50
POPH90090 Health Program Evaluation 2	Semester 2	12.50
POPH90093 Economic Evaluation 1	Semester 2	12.50
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90131 Primary Health Care and Global Health	March, August	12.50
POPH90137 Primary Health Care, Jamkhed, India	January, November	12.50
POPH90144 Linear & Logistic Regression	July	12.50
POPH90145 Survival Analysis & Regression for Rates	September	12.50
POPH90189 Global Health Program Planning & Design	February	12.50
POPH90190 HIV and AIDS:An Evolving Global Response	March	12.50
POPH90191 Practice of Public Health Leadership	September	12.50
POPH90200 Principles of Social Research Design	February	12.50
POPH90201 Community-Based Participatory Research	Semester 1	12.50
POPH90205 Health Inequalities	Semester 2	12.50
POPH90206 Health Policy	March	12.50
POPH90207 Ethics in Public Health	Not offered 2016	12.50
POPH90209 Health Systems	August	12.50
POPH90227 Public Health in Practice	Semester 1	12.50

POPH90229 Health Economics 2	Semester 2	12.50
POPH90230 Environmental Challenges & Global Health	July	12.50
POPH90231 Qualitative Research in Public Health	Semester 2	12.50
ENST90019 Contemporary Environmental Issues B	Semester 2	12.50
POPH90238 Systems for Global Health	July	12.50
HORT90011 Therapeutic Landscapes	Not offered 2016	12.50
ABPL90022 Healthy Communities	Semester 2	12.50
FOOD90027 Nutrition Politics and Policy	Semester 2	12.50
POPH90242 Epidemiology 2	August	12.5
POPH90243 Epidemiology 3	April	12.50
FOOD90024 Securing Sufficient and Healthy Food	Semester 1	12.50
FOOD90026 The Politics of Food	Semester 1	12.50
POPH90218 Public Health Leadership and Management	July	12.50
POPH90069 Sexual and Reproductive Health	August	12.50
POPH90094 Health Economics 1	Semester 1	12.5
DEVT90002 Internship in Development	January, Semester 1, Semester 2	12.5
DEVT90008 International Internship in Development	January, Semester 1, Semester 2	25
ENST70001 Environmental Research Proj (50 Long)	Semester 1, Semester 2	25
ENST70002 Environmental Industry Research: 50 Long	Semester 1, Semester 2	25
ENST90006 Environmental Research Review (12.5)	Semester 1, Semester 2	12.5
ENST90007 Environmental Research Project (25)	Semester 1, Semester 2	25
ENST90016 Environmental Research Project (50)	Semester 1, Semester 2	50
ENST90020 Environmental Industry Research (50)	Semester 1, Semester 2	50
ENST90024 Environmental Research Project - 25 Long	Semester 1, Semester 2	12.5
ENST90025 Environmental Industry Research (25)	Semester 1, Semester 2	25
ENST90026 Environmental Industry Research: 25 Long	Semester 1, Semester 2	12.5
GEOG90022 International Internship in Environment	Summer Term, Semester 1, Semester 2	25
AGRI90076 Industry Internship	Summer Term, Semester 1, Semester 2	12.5
LING90002 Presenting Academic Discourse	Semester 1, Semester 2	12.5
POPH90232 Indigenous Health: From Data to Practice	Not offered 2016	12.5
Notes:	Other subjects may be approved at the discretion of the coordinator.	

Related Course(s):	Master of Environment Master of Environment
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