Sustainable Cities, Sustainable Regions

Year and Campus:	2015
Coordinator:	Associate Professor Ruth Beilin, Faculty of Science, and Dr Ole Fryd, Faculty of Architecture, Building and Planning
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Overview:	Sustainable Cities, Sustainable Regions is offered as a major field of study in the Master of Environment degree. Complex relationships exist between cities and the agricultural and natural environments on which they rely. The Sustainable Cities, Sustainable Regions major examines such relationships and how they impact on urban, suburban, rural and regional dwellers in the 21st century at different scales. This major applies sustainability concepts across various settings including the urban, rural and regional landscapes. Appropriate for professionals working in land management, extension, and planning agencies working and/or researching domestically or internationally, we are looking for students whose background equips them to move into advanced study of these issues. Study in this major leads to employment in regulatory agencies, local, state and national government, international and national consulting companies and industries. Students can expect to work in urban, rural or regional areas.

Learning Outcomes:	Students who complete the Master of Environment will have:
	# Knowledge to undertake professional practice in environment or sustainability, including:
	  # 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:
	  # 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:
	  # Exercise well developed judgement, adaptability and responsibility as a practitioner in an environmental discipline or professional field
	  # Plan and execute a substantial project in an area of environmental research or practice
	Upon successful completion of the Sustainable Cities, Sustainable Regions specialisation, students will be able to:
	# analyse complex relationships between cities and agricultural and natural environments on which they rely;
	# propose strategies for sustainable planning, policy and management of human settlements and natural resources; and,
	collaborate across disciplines and sectors in the context of urban and regional planning and policy.

Structure & Available Subjects:	Students will be required to complete the two core subjects and the two subjects that are compulsory to this major, plus a capstone component of at least 25 points and undertake

electives to make up the balance of the award. The selection of electives is made in consultation with the Sustainable Cities, Sustainable Regions major coordinators. It is the intention of this stream that students select from both regional and urban based subjects in order to intellectually connect with the social and ecological flows that connect regional and urban environments and landscapes.

For a current list of subjects offered in the Sustainable Cities, Sustainable Regions major, please refer to the course information page at: **http://environment.unimelb.edu.au/courses/streams/sustainable_cities_sustainable_regions (http://environment.unimelb.edu.au/courses/streams/sustainable_cities_sustainable_regions)**

Subject Options:

Core Subjects

Students must complete 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 complete the following compulsory specialisation subjects:

Subject	Study Period Commencement:	Credit Points:
ABPL90064 Planning Urban Sustainability	Semester 2	12.50
NRMT90014 Sustainable Landscapes	Semester 1	12.50

Compulsory Capstone Experience

Students must complete at least 25 points from the following capstone subjects:

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
NRMT90003 Social Research Methods	Semester 1	12.50
ABPL90135 Analytical Methods	Semester 1	12.50

Elective Subjects

Students should make up the balance of the award from the list of elective subjects below:

Subject	Study Period Commencement:	Credit Points:
AGRI90057 Climate Change:Agric.Impacts&Adaptation	June, July	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
ABPL90022 Healthy Communities	Semester 2	12.50
ABPL90056 Sustainable Transport and Public Policy	Semester 1	12.50
ABPL90065 Managing Global City Regions	Semester 2	12.50
ABPL90077 Transportation, Land Use and Urban Form	Semester 2	12.50
ABPL90078 Contemporary Landscape Theory	Semester 1	12.50
ABPL90132 Land Use and Urban Design	Semester 2	12.50
ABPL90246 The Economies of Cities and Regions	Semester 1	12.50
ABPL90272 Regenerating Sustainability	Semester 1	12.50
ABPL90315 Urban Governance	Semester 2	12.50
ATOC90002 Climate Affairs	Semester 2	12.50
CVEN90019 Sustainable Water Resources Systems	Semester 2	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
ENST90017 Environmental Policy Instruments	Semester 2	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
HORT90003 Plants and the Urban Environment	Semester 1	12.50
LAWS70068 Environmental Law	September	12.50
NRMT90007 Community Natural Resource Management	Semester 2	12.50
POLS40004 Justice, Democracy and Difference	Semester 1	12.50
SOCI90002 Foundations of Social Policy	March	25
HORT90039 Green Infrastructure for Liveable Cities	November	12.50
HORT90038 Food Production for Urban Landscapes	Semester 1	12.50
FOOD90026 The Politics of Food	Semester 1	12.50
ENST90032 Sustainability and Behavioural Change	Semester 1	12.50
ABPL90341 Urban Environmental Policy and Planning	Semester 1	12.50
ABPL90320 Building Resilient Settlements	November	12.50
FOOD90027 Nutrition Politics and Policy	Semester 2	12.50
ENST90022 Contemporary Environmental Issues A	Not offered 2015	12.50
DEVT90003 The Political Ecology of Development	Not offered 2015	12.50
ABPL90009 Participation and Negotiation	July, November	12.5

Notes:	Other subjects may be approved at the discretion of the coordinator.
Related Course(s):	Master of Environment