

## Masters in Sustainable Development and Environmental Economics

### Programme Requirements

#### Taught Element:

30 credits: SD5001

60 credits: SD5101, SD5102, SD5023

30 credits: SD5003 is not compulsory but strongly recommended, or module(s) from other schools/programmes chosen in consultation with your advisor (permission given by relevant schools). Advisors may occasionally give permission 'dip down' to take up to 30 credits at 3000 or 4000 level.

#### MSc:

120 credits, as for the Postgraduate Diploma (taught element), plus SD5099 (60-credit Dissertation module)

**Partner subjects:** In addition to SD coded options modules, students may, with the permission of their advisor and the schools concerned, also 'dip across' to some modules in Geography, History, Management and Medicine (details below).

### Compulsory modules - Semester 1:

SD5001 Interrogating Sustainable Development					
<b>SCOTCAT Credits:</b>	30	SCQF Level 11	<b>Semester:</b>	1	
<b>Planned timetable:</b>	2.00 pm - 5.00 pm Tue				
<p>This module provides an introduction to sustainable development. First, it introduces the history and application of the concept of sustainable development. Second, there is a series of disciplinary-based lectures that describe the nature and functioning of the social, political, economic and physical, and systems that combine to create the world that we can observe around us. Specific material will also be presented that links these various aspects together and explores their interactions.</p> <p>In addition, this module will have a short induction component to it during the pre-sessional week of term which has a three-fold purpose: (i) to introduce students to the shape of the degree program and St Andrews, (ii) allow students to explore their existing skill base and identify what skills require further work and (iii) provide a context (in the form of a field trip) within which to start an investigation of what inter-disciplinarity entails. This will entail two one-day seminars.</p>					
<b>Programme module type:</b>	Compulsory for the Postgraduate Diploma, MSc and MRes Sustainable Development, MSc Sustainable Development and Energy and MSc Sustainable Development and Environmental Economics				
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 3-hour seminar				
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%				
<b>Module Co-ordinator:</b>	Dr D McCauley				

SD5101 Development and Environment				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	1
<b>Planned timetable:</b>	10.00 am - 12.00 noon Wed			
<p>The world has changed dramatically since the early 1700s, and the onset of modern economic growth and the industrial revolution. However, despite rapid advancements, the world today is divided between high-income, middle-income and low-income countries. This module takes a broad perspective on economic development and how economic development interacts with the environment. The module introduces key concepts in economic development and natural resource management. We also study the insights which economics provides on the relationship between economic growth and environmental quality, and the measurement of sustainability.</p>				
<b>Programme module type:</b>	Compulsory for MSc Sustainable Development and Environmental Economics Optional for MSc Sustainable Development Optional for MSc Sustainable Development and Energy			
<b>Anti-requisite(s):</b>	SD3224			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2-hour lectures (x 11 weeks)			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Dr E McLaughlin			
<b>Lecturer(s):</b>	Dr E McLaughlin and Prof N Hanley			

## Compulsory modules - Semester 2:

SD5023 Economics for the Environment				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	2
<b>Planned timetable:</b>	11.00 am - 1.00 pm Wed			
<p>This module introduces students to the contributions that environmental economics can make to help us understand and manage a wide range of environmental problems including the economics of pollution, climate change economics and non-market valuation. No prior knowledge of economics is presumed, but a background in economics is an advantage, and a course textbook is available which is co-written by one of the course lecturers.</p>				
<b>Programme module type:</b>	Compulsory for MSc Sustainable Development and Environmental Economics Optional for the Postgraduate Diploma, MSc and MRes Sustainable Development and MSc Sustainable Development and Energy			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 2-hour seminar			
<b>Assessment pattern:</b>	2-hour Written Examination = 50%, Coursework = 50%			
<b>Module Co-ordinator:</b>	Prof N Hanley			

SD5102 Public Policy and the Environment				
<b>SCOTCAT Credits:</b>	20	SCQF Level 11	<b>Semester:</b>	2
<b>Planned timetable:</b>	2.00 pm - 4.00 pm Thu			
This module is seminar based and will introduce students to advanced topics in environmental economics. It follows on from SD5023 and SD5101.				
<b>Programme module type:</b>	Compulsory for MSc Sustainable Development and Environmental Economics Optional for MSc Sustainable Development Optional for MSc Sustainable Development and Energy			
<b>Co-requisite(s):</b>	SD5023			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 2-hour seminar (x 11 weeks)			
<b>Assessment pattern:</b>	Coursework = 100%			
<b>Module Co-ordinator:</b>	Dr E McLaughlin			
<b>Lecturer(s):</b>	Dr E McLaughlin			

### Compulsory module for MSc - Whole Year:

SD5099 Dissertation in Sustainable Development				
<b>SCOTCAT Credits:</b>	60	SCQF Level 11	<b>Semester:</b>	Whole Year
<b>Planned timetable:</b>	12.00 noon - 1.00 pm Tue			
This module creates the context within which students are able to investigate a substantive sustainable development topic in considerable depth. It is the capstone module of the Masters degree in sustainable development. The dissertation is an academic evaluation and exploration of a key debate in sustainable development. Its format is an empirically or theoretically driven essay with an upper limit of 15,000 words. The selection of the topic is negotiated between the student and relevant potential supervisors.				
<b>Programme module type:</b>	Compulsory for MRes or MSc Sustainable Development			
<b>Learning and teaching methods and delivery:</b>	<b>Weekly contact:</b> 1 x 1-hour seminar			
<b>Assessment pattern:</b>	Coursework (Dissertation) = 100%			
<b>Module Co-ordinator:</b>	Dr A Davies			

**Optional modules are available from partner Schools/Departments:**

**Partner subjects:** In addition to SD coded options modules, students may, with the permission of their advisor and the schools concerned, also 'dip across' to some modules in Geography, History, Management and Medicine (details below).

**Geography:**

<b>GG5227 Introduction to Geographic Information Science</b>				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1

<b>SS5101 Being a Social Scientist</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

<b>SS5102 Philosophy and Methodology of the Social Sciences</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

<b>SS5103 Qualitative Methods in Social Research</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

<b>SS5104 Quantitative Research in Social Science</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

<b>SG4228 Advanced Topics in Geographic Information Science (GISci)</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

**History:**

<b>MO5223 Disease and Environment (c.1500 - c.2000) (20)</b>				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1

**Management:**

<b>MN5513 Ethics, Organisations and Management</b>				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1

<b>MN5311 Responsible Investment</b>				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2

<b>MN5821 Managing Non-Governmental Organisations</b>				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2

**Medicine:**

<b>MD5201 Issues in Global Health</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

<b>MD5202 Principles in Implementation Science</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

<b>MD5203 Ten Global Health Problems</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

<b>MD5204 Globalisation and Health</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

<b>MD5205 Inequalities and Inequities in Global Health</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

<b>MD5206 Evidence Synthesis for Global Health Policy, Programming, and Practice</b>				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

**Sustainable Development:**

<b>SD5003 Master Class in Sustainable Development</b>				
SCOTCAT Credits:	30	SCQF Level 11	Semester:	2

