

Masters in Sustainable Development also Postgraduate Certificate and Postgraduate Diploma

Programme Requirements

Postgraduate Certificate:

30 credits: SD5001 or SD5003

30 credits: 5000-level modules chosen in consultation with the Programme Director and any other School involved.

Postgraduate Diploma: *(this is also the Taught element of the MSc programme):*

60 credits: SD5001 and SD5003

60 credits: 5000-level modules chosen from various schools/programmes 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)

MRes:

Taught Element:

75 credits: SD5001, SD5003 and SS5101

45 credits from: SS5102 - SS5104. plus 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.

120 credits from the MRes 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 Earth Sciences, Geography, History, Management and Medicine (details below).

Compulsory Semester 1 modules:

SD5001 Interrogating Sustainable Development				
SCOTCAT Credits:	30	SCQF Level 11	Semester:	1
Planned timetable:	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>				
Programme module type:	Compulsory for the Postgraduate Diploma, MSc and MRes Sustainable Development, MSc Sustainable Development and Energy and MSc Sustainable Development and Environmental Economics			
Learning and teaching methods and delivery:	Weekly contact: 1 x 3-hour seminar			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Module Co-ordinator:	Dr D McCauley			

Compulsory Semester 1 module for MRes:

SS5101 Being a Social Scientist				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1
Academic year:	2016/7 & 2017/8			
Planned timetable:	3.00 - 5.00 pm Fri			
<p>Through a series of interactive seminars this two-part module explores the fundamental skills required by all social scientists. In part one, the module will focus on how to design and produce a research dissertation. Assessment will be in the form of a critical essay that analyses the research design of papers from your disciplinary field. In part two, issues of professional development (e.g. ethics, careers, grant writing) will be addressed. Assessment will be in the form of a class test in which you will review and comment on two research proposals.</p>				
Programme module type:	<p>Compulsory for MRes in Human Geography and MRes in Sustainable Development.</p> <p>Compulsory for various MRes Programmes outwith the School.</p> <p>Optional for Research Methods in Psychology (MSc), for Sustainable Development and Environmental Economics (MSc), for Sustainable Development (MSc), for Sustainable Development and Energy (MSc).</p>			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr M Kesby			
Lecturer(s)/Tutor(s):	Dr M Kesby and TBC			

Compulsory Semester 2 module:

SD5003 Master Class in Sustainable Development				
SCOTCAT Credits:	30	SCQF Level 11	Semester:	2
Planned timetable:	2.00 pm - 5.00 pm Tue			
<p>This module has four elements: (i) a series of presentations by academic experts in their chosen field of sustainable development along with structured reflection and further exploration of these various topic areas, (ii) the development and presentation (in groups) of case studies of sustainable development problems and/or exemplars of excellence in sustainable development, and (iii) two field trips to examine examples of sustainable development in practice, (iv) the completion of two master class review essays in specialised areas of sustainable development. This module is designed to provide you with an ability to critically reflect on the potential and limitations of sustainable development.</p>				
Programme module type:	Compulsory for the Postgraduate Diploma, MSc and MRes Sustainable Development and MSc Sustainable Development and Energy Strongly recommended for MSc Sustainable Development and Environmental Economics			
Learning and teaching methods and delivery:	Weekly contact: 1 x 3-hour seminar weekly plus field trips			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr D McCauley			

Compulsory module for MSc and MRes - Whole Year:

SD5099 Dissertation in Sustainable Development				
SCOTCAT Credits:	60	SCQF Level 11	Semester:	Whole Year
Planned timetable:	12.00 noon - 1.00 pm Tue			
<p>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.</p>				
Programme module type:	Compulsory for MRes or MSc Sustainable Development			
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour seminar			
Assessment pattern:	Coursework (Dissertation) = 100%			
Module Co-ordinator:	Dr A Davies			

Optional modules:

SD5023 Economics for the Environment				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2
Planned timetable:	11.00 am - 1.00 pm Wed			
This module introduces students to the contributions that environmental economics can make to helping us understand and manage a wide range of environmental problems. We also study the insights which economics provides on the relationship between economic growth and environmental quality, and the measurement of sustainability. No prior knowledge of economics is presumed, and a course textbook is available which is co-written by one of the course lecturers.				
Programme module type:	Compulsory for MSc Sustainable Development and Environmental Economics Optional for the Postgraduate Diploma, MSc and MRes Sustainable Development and MSc Sustainable Development and Energy			
Pre-requisite(s):	SD5001			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour seminar weekly plus field trips			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Module Co-ordinator:	Prof N Hanley			

SD5101 Development and Environment				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1
Planned timetable:	10.00 am - 12.00 noon Wed			
The world has changed dramatically since the early 1700s, and the onset of modern economic growth starting 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.				
Programme module type:	Compulsory for MSc Sustainable Development and Environmental Economics Optional for MSc Sustainable Development Optional for MSc Sustainable Development and Energy			
Anti-requisite(s):	SD3224			
Learning and teaching methods and delivery:	Weekly contact: 2-hour lectures (x 11 weeks)			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Module Co-ordinator:	Dr E McLaughlin			

SD5102 Public Policy and the Environment				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2
Planned timetable:	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.				
Programme module type:	Compulsory for MSc Sustainable Development and Environmental Economics Optional for MSc Sustainable Development Optional for MSc Sustainable Development and Energy			
Co-requisite(s):	SD5023			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminar (x 11 weeks)			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr E McLaughlin			
Lecturer(s):	Dr E McLaughlin			

Further 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 Earth Sciences, Geography, History, Management and Medicine (details below).

Earth Sciences:

EG3020 Global Climate Change				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

ES5011 Water in the Environment				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

ES5050 Earth's Greatest Hits				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

ID5011 Geographic Information Systems for Environmental Management				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

Geography:

GG5227 Introduction to Geographic Information Science				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1

SS5101 Being a Social Scientist				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

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

SS5103 Qualitative Methods in Social Research				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

SS5104 Quantitative Research in Social Science				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

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

History:

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

Management:

MN5513 Ethics, Organisations and Management				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	1

MN5311 Responsible Investment				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2

MN5821 Managing Non-Governmental Organisations				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2

Medicine:

MD5201 Issues in Global Health				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

MD5202 Principles in Implementation Science				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

MD5203 Ten Global Health Problems				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1

MD5204 Globalisation and Health				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2

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

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

