

Masters in Sustainable Energy also Postgraduate Diploma

Programme Requirements

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

75 credits: SD5001, SD5003, SS5101

45 credits: 5000-level modules chosen in consultation with the Programme Director and any other School involved. These may be substituted by credits from Russian language modules at a level appropriate to the student's skills/knowledge (non-native speakers of Russian Only). Students may also dip down for 30 credits into honours level if necessary.

MSc:

120 credits, as for the Postgraduate Diploma (taught element), plus SD5201 (10-credit Review essay) and SD5299 (50-credit Dissertation)

Compulsory modules - Semester 1:

SD5001 Interrogating Sustainable Development				
SCOTCAT Credits:	30	SCQF Level 11	Semester:	1
Planned timetable:	3.00 pm - 4.00 pm Tue, 9.00 am - 10:00 am Wed, 9.00 am -10:00 am Fri			
<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 and MSc Sustainable Energy Postgraduate Programmes.			
Required for:	SD5023			
Learning and teaching methods and delivery:	Weekly contact: 3 x 1-hour seminar			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Module Co-ordinator:	Dr D McCauley			

Geography & Sustainable Development - Sustainable Energy MSc - 2015/6 - November 2015

SS5101 Being a Social Scientist				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1
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:	Compulsory for MRes in Human Geography Compulsory for MRes and MSc in Sustainable Development and MSc in Sustainable Energy Compulsory for various other MRes Programmes			
Learning and teaching methods and delivery:	Weekly contact: 2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr T Stojanovic			
Lecturer(s)/Tutor(s):	Dr S McGarrol and Dr M Kesby			

Compulsory modules - Semester 2:

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 a master class review essay in a specialised area 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 Energy Postgraduate Programmes.			
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 R Streeter			

Compulsory Modules for MSc:

SD5201 Review Essay in Sustainable Energy				
SCOTCAT Credits:	10	SCQF Level 11	Semester:	Either single semester or whole year
Planned timetable:	To be arranged.			
This is a compulsory module of the Double Masters programme in Sustainable Energy. The Review Essay is an integral component of the degree which enables students to reflect on the first year before progressing to the second year in Moscow.				
Programme module type:	Compulsory for the MSc Sustainable Energy Postgraduate Programme.			
Learning and teaching methods and delivery:	Weekly contact: No direct teaching.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr D McCauley			

SD5299 Dissertation in Sustainable Energy				
SCOTCAT Credits:	50	SCQF Level 11	Semester:	Whole Year
Planned timetable:	To be arranged			
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 12,000 words. The selection of the topic is negotiated between the student and relevant potential supervisors.				
Programme module type:	Compulsory for the MSc Sustainable Energy Postgraduate Programme.			
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour seminar.			
Assessment pattern:	Coursework (Dissertation) = 100%			
Module Co-ordinator:	Dr D McCauley			

Optional module:

SD5023 Economics for the Environment				
SCOTCAT Credits:	20	SCQF Level 11	Semester:	2
Planned timetable:	2.00 pm - 4.00 pm Thu			
<p>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.</p>				
Programme module type:	Optional for the Postgraduate Diploma, MSc and MRes Sustainable Development and MSc Sustainable Energy Postgraduate Programmes.			
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			