

Sustainable Development

Taught Programmes

Postgraduate Certificate:
Sustainable Development

M.Sc.:
Sustainable Development
Sustainable Energy

M.Res.:
Sustainable Development

Programme Requirements

Sustainable Development

Postgraduate Certificate:

30 credits: SD5001 or SD5003

30 credits: 5000-level modules chosen in consultation with the Programme Director and any other School involved. Permission may occasionally also be given to take some or all of these credits at 3000 or 4000 level.

Postgraduate Diploma:

(this is also the Taught element of the M.Sc. programme):

90 credits: SD5001, SD5003, SS5103, SS5104

30 credits: 5000-level modules chosen in consultation with the Programme Director and any other School involved. Permission may occasionally also be given to take some or all of these credits at 3000 or 4000 level.

M.Sc.:

120 credits, as for the Postgraduate Diploma (taught element), plus SD5099

M.Res. Taught Element:

60 credits: SD5001 and SD5003

60 credits: GG5002, GG5003, SS5101 - SS5104

120 credits from the M.Res. Taught Element plus SD5099 (60-credit Dissertation module)

Sustainable Energy

Postgraduate Diploma:

(this is also the Taught element of the M.Sc. programmes):

90 credits: SD5001, SD5003, SS5103, SS5104

30 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).

M.Sc.:

120 credits, as for the Postgraduate Diploma (taught element), plus SD5201 and SD5299

Geography (GG) modules

GG5002 Being a Human Geographer 2 - Research Design				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2
Planned timetable:	To be arranged.			
This is an independent study module linked to the research interests of the student. After an introductory lecture, students discuss possible topics with a member of staff, who will agree the topic and supervise the development of a research proposal.				
Programme module type:	Compulsory for Human Geography Postgraduate Taught Programme. Optional for Sustainable Development Postgraduate Taught Programme.			
Pre-requisite(s):	SS5101, GG5001			
Learning and teaching methods and delivery:	Weekly contact: 1 tutorial and occasional lectures and seminars.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Prof A M Findlay			

GG5003 Advanced Geographical Research Methods				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2
Planned timetable:	To be arranged.			
Advanced Geographical Research Methods is a compulsory core module for the M.Res. in Human Geography. It is largely project-based and allows students to specialise in a research area using a research method or technique that most interests them. After an introductory lecture, students discuss possible research methods/techniques with a member of staff, who in discussion with the student will identify a small project designed to operationalise a piece of research using a particular method or technique. The project supervisor will provide the necessary training and guidance for the student to undertake the project.				
The module is assessed by two pieces of work: (a) a presentation to staff and other post-graduate students in the human geography internal seminar series; (b) a 3,500 word report, which presents preliminary research findings but mainly focusses on providing a reflective and critical account of the methods and techniques used.				
Programme module type:	Compulsory for Human Geography Postgraduate Taught Programme. Optional for Sustainable Development Postgraduate Taught Programme.			
Co-requisite(s):	GG5020 or SS5103 or SS5104			
Learning and teaching methods and delivery:	Weekly contact: 1 hour supervision weekly and 1 lecture and 1 seminar over the semester.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr D S Houston			

Sustainable Development (SD) modules

SD5001 Introduction to Sustainable Development Issues				
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, M.Sc. and M.Res. Sustainable Development and M.Sc. Sustainable Energy Postgraduate Programmes.			
Learning and teaching methods and delivery:	1 x 3-hour seminar			
Assessment pattern:	Coursework = 50%, 2-hour Examination = 50%			
Module Co-ordinator:	Dr D McCauley			

SD5003 Master Class in Sustainable Development				
SCOTCAT Credits:	30	SCQF Level 11	Semester:	2
Planned timetable:	1.00 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, M.Sc. and M.Res. Sustainable Development and M.Sc. Sustainable Energy Postgraduate Programmes.			
Learning and teaching methods and delivery:	1 x 4-hour seminar weekly plus field trips			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr R Streeter			

Sustainable Development - Postgraduate 2013/14 - August 2013

SD5099 Dissertation in Sustainable Development				
SCOTCAT Credits:	60	SCQF Level 11	Semester:	Whole Year
Planned timetable:	9.00 am - 10.00 am Thu.			
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.				
Programme module type:	Compulsory for M.Res. or M.Sc. Sustainable Development Taught Programme			
Learning and teaching methods and delivery:	1 x 1-hour seminar			
Assessment pattern:	Coursework (Dissertation) = 100%			
Module Co-ordinator:	Dr S McGarrol and Dr A Davies			

SD5201 Review Essay in Sustainable Energy				
SCOTCAT Credits:	10	SCQF Level 11	Semester:	Either or Both
Planned timetable:	To be arranged.			
This is a compulsory module of the Double Masters programme in Sustainable Energy. The Reflective Essay is an integral component of reflecting on how the second year relates to the first.				
Programme module type:	Compulsory for the M.Sc. Sustainable Energy Postgraduate Programme.			
Learning and teaching methods and delivery:	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 M.Sc. Sustainable Energy Postgraduate Programme.			
Learning and teaching methods and delivery:	1 x 1-hour seminar			
Assessment pattern:	Coursework (Dissertation) = 100%			
Module Co-ordinator:	Dr D McCauley			

Social Sciences (SS) modules

SS5101 Being a Social Scientist: Skills, Processes and Outcomes				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1
Planned timetable:	3.00 - 5.00 pm Friday (provisional)			
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.				
Programme module type:	Compulsory for the M.Res. in Human Geography. Optional for M.Res. in Psychology.			
Learning and teaching methods and delivery:	2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr S Leahy			
Lecturer(s)/Tutor(s):	Dr M Kesby and Prof R Gray			

SS5102 Philosophy and Methodology of the Social Sciences				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2
Planned timetable:	1.00 - 3.00 pm Thursday (provisional)			
This seminar based module will introduce you to the basic theoretical approaches in the social sciences, encourage you to make connections between the methodological and epistemological issues involved in conducting social scientific research, and inspire you to reflect critically your own experience. The module will cover modern philosophy's historical evolution, positivism, feminism, critical theory and post-structuralism among other topics. Assessment will involve a one short and one longer essay.				
Programme module type:	Compulsory for various M.Res. Programmes Compulsory for M.Res. in Human Geography			
Learning and teaching methods and delivery:	2-hour seminar			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr S Leahy			
Lecturer(s)/Tutor(s):	Dr R Beasley, Dr A Lang, Prof N Rengger and Dr J Murer			

Sustainable Development - Postgraduate 2013/14 - August 2013

SS5103 Qualitative Methods in Social Research				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	2
Planned timetable:	9.00 am - 11.00 am Fri (provisional)			
This seminar-based module offers both a theoretical and practical introduction to the collection, analysis and writing of qualitative social science research. Among other things, the module will cover positionality/ethics, archives, participant observation, participatory approaches, semi-structured interviewing and the use of NVIVO/computer aided qualitative data analysis. Assessment will involve a short reflection on field experience and a longer critical essay on a chosen aspect of qualitative research.				
Programme module type:	Compulsory for Sustainable Development and Sustainable Energy Taught Postgraduate Programmes.			
Learning and teaching methods and delivery:	2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr S Leahy			
Lecturer(s)/Tutor(s):	Dr M Kesby and Dr S Pipyrou			

SS5104 Quantitative Research in Social Science				
SCOTCAT Credits:	15	SCQF Level 11	Semester:	1
Planned timetable:	1.00 - 4.00 pm Mon (provisional)			
This module provides a user-friendly introduction to the fundamental concepts of quantitative analysis. It will cover underlying principles, terminology, research design, sampling strategies, uncertainty and missing data, computerised data management and analysis and univariate and multivariate approaches to data analysis. The assessment will be in the form of weekly practical tasks completed in class and/or independently.				
Programme module type:	Compulsory for Sustainable Development and Sustainable Energy Taught Postgraduate Programmes.			
Learning and teaching methods and delivery:	3-hour combined lecture and practical session.			
Assessment pattern:	Coursework = 100%			
Module Co-ordinator:	Dr S Leahy			
Lecturer(s)/Tutor(s):	TBC			