Geography (GG) Modules

GG5004 Advanced Social Science Research Training 1: Reviewing, Conceptualising, Framing.				
SCOTCAT Credits:	30	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Availability restrictions:	Available only to students taking an MRes Human Geography/Sustainable Development			
Planned timetable:	TBC			
This is a directed reading module that will enable students to expand their understanding of the field of knowledge in Human Geography or Sustainable Development that will be the focus of their MRes Dissertation and later, their PHD. Students will have individual tutorials with the member of staff who will supervise their Dissertation/PhD. The empirical content will be bespoke to the student/supervisor/project. The module will focus on literature review, challenging the student to place their evolving research project within a wider sub-disciplinary/disciplinary and/or interdisciplinary field; framing, conceptualising, theorising and problematising existing research and seeking opportunities for new contributions.				
Pre-requisite(s):	Must be taking an mres degree in the school of geography and sustainable development			
Anti-requisite(s)	You cannot take this module if you take GG5000 or take GG5001			
Co-requisite(s):	You must also take SS5101 and take SS5104			
Learning and teaching methods of delivery:	**Weekly contact**: 1-to-1 supervision meeting (x 10 weeks)			
Assessment pattern:	Practical Examination = 30%, Coursework = 70%			
Re-assessment pattern:	3-hour Written Examination = 100%			
Module coordinator:	Dr M G Kesby			
Module teaching staff:	Team taught			

GG5005 Advanced Social Science Research Training 2: Designing, Planning, Implementing				
SCOTCAT Credits:	30	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Availability restrictions:	Available only to students taking an MRes Human Geography/Sustainable Development			
Planned timetable:	TBC			
This is a directed reading module that will enable students to expand their understanding of a field of knowledge in Human Geography or Sustainable Development that will be the focus of their MRes Dissertation and later, their PHD. Students will have individual tutorials with the member of staff who will supervise their Dissertation/PhD. The empirical content will be bespoke to the student/supervisor/project. The module will focus on method, methodology and research design, challenging the student to reflect on what they have learned in the SS5000 programme, and requiring that they apply that learning to the development of a research protocol for their own evolving research project.				
Pre-requisite(s):	Before taking this module you must take GG5004			
Learning and teaching methods of delivery:	**Weekly contact**: 1-to-1 supervision meeting (x 11 weeks)			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr M G Kesby			
Module teaching staff:	Team taught			

GG5099 Dissertation in Human Geography/Sustainable Development				
SCOTCAT Credits:	60	SCQF Level 11	**Semester**	Full Year
Academic year:	2019/0			
Availability restrictions:	Available only to students taking MRes Programmes in the School of Geography and Sustainable Development			
Planned timetable:	To be arranged.			
Depending on their interests, students choose a topic in the field of human geography or sustainable development on which to conduct independent research. Dissertations will be supervised by a member of the teaching staff who will provide advice throughout the research process. Research will be conducted over the summer after the end of the taught modules. The project can be used to pilot some aspect of the PHD project onto which the student will transition after completing the MRes. The completed dissertation must be no more than 15,000 words.				
Learning and teaching methods of delivery:	**Weekly contact**: Up to 8 hours of guided study per student over semester 2 and the summer (one-to-one supervision, by arrangement with supervisor).			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	No Re-Assessment Available			
Module coordinator:	Dr M G Kesby			
Module teaching staff:	Team taught			

GG5227 Introduction to Geographic Information Science				
SCOTCAT Credits:	20	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	Lectures: 10.00 am - 12.00 noon Thu, Practicals: 1.00 pm - 4.00 pm Thu			
This module is an introductory course to Geographic Information Science and does not require any previous knowledge. The module will introduce students to the basic principles of Geographic Information Science including the use of Geographic Information Systems (GIS). The basic structures of GI data, vector and raster, will be explained alongside key applications and uses. Students will be introduced to basic spatial analysis and fundamental GI algorithms. Mapping and spatial analysis will be done using GI software ArcGIS. The module will also include an introduction to Remote Sensing and the use of remotely sensed data for spatial analysis. .				
Learning and teaching methods of delivery:	**Weekly contact**: 2 hours of lectures (x 6 weeks), 3-hour practicl classes (x 6 weeks), other contact: 2 hours (x 3 weeks)			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	New Coursework = 100%			
Module coordinator:	Dr U Demsar			

Sustainable Development (SD) Modules

SD4114 Society, Sustainable Consumption and Implementing Change

SCOTCAT Credits:	30	SCQF Level 10	**Semester**	1
Academic year:	2019/0			
Planned timetable:	Lectures - Tuesday 10:00 - 11:00; Practicals - Tuesday 11:00 - 13:00			
This module focuses on the social theories and accounts of choice, change, and stability that are gaining increasing attention in sustainable consumption debates. Research and policy in sustainable consumption is largely dominated by techno-economic thinking which overlooks social organisation of some of the more ordinary aspects of everyday life that are fundamental determinants of an individual's environmental impact. As well as considering how societies manage essential but ordinary forms of consumption, the module also expects students to design, implement and reflect on an intervention to make their local community more sustainable. This module will challenge students to think about the complexity of steering everyday life to be more sustainable.				
Pre-requisite(s):	Before taking this module you must pass SD2002 and pass SD2001			
Learning and teaching methods of delivery:	**Weekly contact**: One 1-hour lecture (x10 weeks), One 2-hour seminar (x9 weeks), One 2-hour group presentation session (x1 week)			
Assessment pattern:	Coursework = 60%, 2-hour Written Examination = 40%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr K S Ellsworth-Krebs			
Module teaching staff:	Dr K Ellsworth-Krebs			

SD5001 Interrogating Sustainable Development

SCOTCAT Credits:	30	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	2.00pm - 4.00pm Tue			
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 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. 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 at St Andrews, (ii) allow students to explore their existing skill base and identify which 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.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 x 3-hour seminar			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	3-hour Written Class Test = 100%			
Module coordinator:	Dr A L Davies			
Module teaching staff:	Team Taught			

SD5003 Master Class in Sustainable Development				
SCOTCAT Credits:	30	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	2.00 pm - 5.00 pm Tue			
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.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 x 3-hour seminar weekly plus field trips			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr D A McCauley			

SD5004 Introduction to Global Environmental Change				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	9.00am - 11.00am Wed			
This module provides students of sustainable development with the scientific background to past, present and future climate change and its consequences globally. Topics covered include the functioning of the global climate system on timescales up to multi-millenial (including the responses of ice-sheets, sea-level, ocean circulation, ecosystems and carbon-cycling, soil erosion, and biodiversity) and conservation.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 lecture (x 10 weeks), 1 seminar (x 10 weeks)			
Assessment pattern:	Coursework (including presentation =20%)= 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Prof D I Benn			
Module teaching staff:	Team taught			

SD5005 Master Class in Sustainable Development				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	2.00pm - 4.00pm Tue			
This module has three 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) 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 reflect critically on the potential and limitations of sustainable development.				
Pre-requisite(s):	Before taking this module you must take SD5001			
Anti-requisite(s)	You cannot take this module if you take SD5003			
Learning and teaching methods of delivery:	**Weekly contact**: 1 lecture, 1 tutorial (x 10 weeks)			
Assessment pattern:	50-minute group presentation = 20%, Coursework = 80%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr A L Davies			
Module teaching staff:	Team taught			

SD5026 Environmental Management				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	To be arranged			
This module introduces and explores environmental management, using diverse examples to illustrate its relevance to sustainable development and contemporary debates in environmental policy. After an introductory lecture in Week 1, each week investigates a different theme using a mix of lectures, seminars and student-led discussions. Likely themes include the management of conservation conflicts, managing environmental risks and hazards, and environmental justice. A local fieldtrip to illustrate some of these topics may be included. Assessment comprises an individual assessment on a selected environmental management topic, and a 2-hour final exam covering all the topics addressed. The module will be of interest to students studying Sustainable Development, Geography and other relevant Graduate School Programmes.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 x 1-hr lecture (x10 weeks), 1 x 1-hr seminar (x10 weeks) plus 1/2 day fieldtrip			
Assessment pattern:	2-hour Written Examination = 70%, Coursework = 30%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr C R Warren			
Module teaching staff:	Dr Charles Warren, Dr Rehema White, Dr Timothy Stojanovic			

SD5029 Population Change and Sustainable Development: Patterns, Processes and Politics				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	To be arranged			
Understanding population patterns, processes and politics is fundamental to critical study of sustainable development. The size and structure of populations, the distribution of populations, the change in populations and the policies that affect populations all determine how sustainable development goals are defined and addressed. Using examples from across the globe and drawing on research from a range of social science disciplines, this module equips students with knowledge of core concepts in population studies and develops critical engagement in the connections between population and sustainability, through both technical and political lenses. Teaching is via lectures, seminars, debates and student-led discussions. Assessment is via a policy brief (50%) and a final exam covering all the topics addressed in the course. The module will be of interest to students studying Sustainable Development, Geography and other relevant Graduate School Programmes.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 Lecture (x 10 weeks), 1 Seminar (x 10 weeks), 1 Class Debate (x 1 week)			
Assessment pattern:	2-hour Written Examination = 50%, Coursework = 50%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr N Finney			
Module teaching staff:	Dr Nissa Finney, Prof Hill Kulu, Dr Jo Mhairi Hale, Dr Katherine Keenan, Dr David McCollum			

SD5030 Health, Inequality and Development				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Availability restrictions:	Must be taking a Masters Level Programme			
Planned timetable:	To be arranged			
The United Nations third 2030 Sustainable Development Goal is to 'ensure healthy lives and promote well-being for all at all ages'. In this module we will explore why health is a critical issue for human development that is sustainable, and why social scientists have much to offer an understanding of health that extends beyond its framing as a purely biomedical issue. The module is designed as a masterclass that will progress via a series of seminars focused on a series of provocative topics and directed readings. It will explore critically how health and well-being might be framed, measured and achieved and will encourage both an appreciation and healthy scepticism of differing epistemologies and approaches, qualitative and quantitative methodologies, and holistic and atomistic understandings of health and well-being.				
Learning and teaching methods of delivery:	**Weekly contact**: 1 Lecture (x 11 weeks), 1 Seminar (x 11 weeks)			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr M G Kesby			
Module teaching staff:	Dr Michael Kesby, Dr Matthew Sothern, Dr Katherine Keenan, Dr Jo Mhairi Hale, Prof Joanne Sharp			

SD5098 Advanced study in Sustainable Development				
SCOTCAT Credits:	60	SCQF Level 11	**Semester**	Full Year
Academic year:	2019/0			
Availability restrictions:	Available only to students on an MSc programme in Sustainable Development			
Planned timetable:	12.00 noon - 1.00 pm Tue			
The purpose of this module is to provide experience and training in applied scientific writing and evaluation. This will be assessed via an academic literature review, a policy brief (based on the format and structure of POSTNotes produced by the Parliamentary Office of Science and Technology, Westminster) and a reflection on the process of translating academic review into policy advice . This allows students to apply conceptual considerations and critical evaluation to a real world context using a number of well-established formats that involve synthesis, evaluation and translation of scientific knowledge.				
Pre-requisite(s):	Students must have gained admission to one of the sd msc programmes			
Learning and teaching methods of delivery:	**Weekly contact**: 1 lecture per fortnight (during semesters 1 and 2), 3 field trips (during semesters 1 and 2)			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	New Coursework = 100%			
Module coordinator:	Dr J M Hale			
Module teaching staff:	Dr A Davies, Dr D McCauley, Dr E McLaughlin			

SD5103 Development and Environment				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	9.00am - 11.00am Fri			
The world has changed dramatically since the early 1700s, the onset of modern economic growth and the industrial revolution. However, despite rapid advancements the world today remains divided between high-income, middle-income and low-income countries. This module takes a broad perspective on economic development and how it interacts with the environment. The module introduces key concepts in economic development and natural resource management.				
Anti-requisite(s)	You cannot take this module if you take SD3224 or take SD4113 or take SD5101			
Learning and teaching methods of delivery:	**Weekly contact**: 2 hours - mixture of lectures and seminar style teaching			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Examination = 100%			
Module coordinator:	Dr T Rudebeck			
Module teaching staff:	Team taught			

SD5104 Public Policy and the Environment				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Availability restrictions:	Available only to students taking Sustainable Development and Environmental Economics (MSc)			
Planned timetable:	2.00 pm - 4.00 pm Thu			
This module is a seminar based and will introduce students to advanced topics in environmental economics. It follows on from SD5024 and SD5103.				
Anti-requisite(s)	You cannot take this module if you take SD5102			
Co-requisite(s):	You must also take SD5024			
Learning and teaching methods of delivery:	**Weekly contact**: 2-hour seminars (x 11 weeks)			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	Coursework = 100%			
Module coordinator:	Dr T Rudebeck			
Module teaching staff:	Dr Therese Rudebeck			

Social Sciences (SS) Modules

SS5101 Being a Social Scientist				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	3.00 - 5.00 pm Fri			
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 a selection of papers. 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.				
Learning and teaching methods of delivery:	**Weekly contact**: 2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Class Test = 100%			
Module coordinator:	Dr M B Sothern			
Module teaching staff:	Dr David McCollum			

SS5102 Philosophy and Methodology of the Social Sciences				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	3.00 pm - 5.00 pm Wed			
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 on 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 one short review and one longer essay.				
Learning and teaching methods of delivery:	**Weekly contact**: 2-hour seminar			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Class Test = 100%			
Module coordinator:	Dr M B Sothern			
Module teaching staff:	The School of International Relations			

SS5103 Qualitative Methods in Social Research				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	2
Academic year:	2019/0			
Planned timetable:	10.00 am - 12.00 noon Tue			
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 refection on field experience and a longer critical essay on a chosen aspect of qualitative research.				
Learning and teaching methods of delivery:	**Weekly contact**: 2-hour seminar.			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Class Test = 100%			
Module coordinator:	Dr M B Sothern			
Module teaching staff:	Dr M Kesby			

SS5104 Quantitative Research in Social Science				
SCOTCAT Credits:	15	SCQF Level 11	**Semester**	1
Academic year:	2019/0			
Planned timetable:	1.00 - 5.00 pm Mon			
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 univariate and multivariate approaches to data analysis. The assessment will be in the form of practical tasks completed in class and/or independently.				
Learning and teaching methods of delivery:	**Weekly contact**: 3-hour combined lecture and practical session.			
Assessment pattern:	Coursework = 100%			
Re-assessment pattern:	2-hour Written Class Test = 100%			
Module coordinator:	Dr M B Sothern			
Module teaching staff:	Dr J Ales			