

School of Geography & Sustainable Development

Geography (GG) Modules

**GG1001 Welcome to the Anthropocene: Society, Population, Environment**

<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester</b>	1
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	Lectures: 11.00 am Tue, Wed, and Thu			
As the global population speeds past 7 billion, mounting evidence about resource depletion and climate change, and global economic inequality and social injustice, suggests current human development is unsustainable and that we are now living in the Anthropocene - an era in which human activity has, for the first time, become the dominant driver of environmental processes, and is causing unprecedented global change. The module shows how Geography, a discipline that draws on knowledge that spans the social and natural sciences and the humanities, is uniquely placed to understand our changing world. Its combination of lectures and tutorials are relevant to students across the University.				
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks) + 3 x 2-hour laboratory, 5 x 1-hour tutorials, and 1 x 4-hour fieldtrip during the semester.			
	<b>Scheduled learning:</b> 45 hours		<b>Guided independent study:</b> 155 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr T R Cowton			
<b>Module teaching staff:</b>	Team taught			

**GG1002 A World in Crisis?**

<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester</b>	2
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	Lectures: 11.00 am Tue, Wed, Thu.			
Contemporary global problems such as pollution, biodiversity loss and population growth are critical issues for the planet's future and demonstrate the interdependence of social and environmental systems. This module unpacks the complexity of these challenges by analyzing different manifestations of 'a world in crisis' as questions of geography - shaped by geographic processes operating at a range of scales (from the global to the local). The module thus explores how Geography works as a 'world discipline' that is equipped to examine global problems from a range of human, environmental and physical geography perspectives. Teaching comprises a mix of lecture learning and project work on selected global problems.				
<b>Pre-requisite(s):</b>	Before taking this module you must pass GG1001			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 11 weeks) 5 x 1-hour tutorials, and 1 x 8-hour field class during the semester.			
	<b>Scheduled learning:</b> 46 hours		<b>Guided independent study:</b> 154 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 60%, Practical Examinations = 0%, Coursework = 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr T R Cowton			
<b>Module teaching staff:</b>	Team taught			

## Geography & Sustainable Development - 1000 & 2000 Level - 2019/0 - August - 2019

GG2011 Geographies of Global Change				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester</b>	1
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm or 4.00 pm - 6.00 pm Mon			
	<p>Geography is the study of the world around us, and how it is changing and has changed. The module encourages students to think 'geographically' about particular physical and human dimensions of global change: environmental, atmospheric, hydrological, geomorphological and palaeoecological change; and demographic and economic change. These geographical themes will be framed by a discussion of the nature and evolution of geography as a discipline, and how thinking 'geographically' involves understanding the operation of and interactions between complex bio-physical and social processes. The module explores how the geographer views such processes through the conceptual lenses of time, space, context, scale and variation, and using field, laboratory and model-based methods. Classroom instruction is complemented by lab work which develops key skills in cartography and Geographic Information Science.</p>			
<b>Pre-requisite(s):</b>	Before taking this module you must pass GG1001 and pass GG1002			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 10 weeks), 4 x 1 hour tutorials, 1 x 8 hours fieldtrip, 2 x 2 hour practicals during the semester.			
	<b>Scheduled learning:</b> 56 hours		<b>Guided independent study:</b> 244 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 40%, Practical Examinations = 15%, Coursework = 45%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 40%, Practical Examination = 15%, Coursework = 45%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr D McCollum			
<b>Module teaching staff:</b>	Team taught			

GG2012 (Re)constructing Environments, People and Places				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester</b>	2
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	Lectures: 9.00 am Mon - Fri, other classes: 2.00 pm - 4.00 pm Mon or 4.00 pm - 6.00 pm Mon			
	<p>An important contemporary focus within Geography is the reconstruction of physical and human environments, and the study of processes of environmental and social change in order to understand present-day patterns and explore future scenarios. Geographers from all parts of the discipline share a concern with how and why different peoples, places and bio-physical and social processes operated in both time and space. The different lecture blocks in the module on environmental management, ecological change, health inequalities, and cultural difference - explore these folds between time and space. The module prepares students for entry to Honours Geography, and, through a residential fieldtrip, broadens their geographic interests and skills in physical and human geography.</p>			
<b>Pre-requisite(s):</b>	Before taking this module you must pass GG2011			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 4 lectures (x 11 weeks) + 4 x 1-hour tutorials, 2 x 3-hour practicals, 1 x 16-hour fieldtrip during the semester.			
	<b>Scheduled learning:</b> 70 hours		<b>Guided independent study:</b> 226 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations 60%, Practical Examinations 0%, Coursework 40%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 60%, Coursework = 40%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr D McCollum			
<b>Module teaching staff:</b>	Team taught			

**Sustainable Development (SD) Modules**

<b>SD1000 What is Sustainable Development?</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester</b>	1
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu			
<p>The module provides an introductory overview to the core societal and environmental challenges of the 21st Century and of the solutions that are a core part of Sustainable Development. Students explore the broad definitions of Sustainable Development (contextualising it in historical and conceptual terms), consider their multiple disciplinary facets and interpretations, and then interrogate critically the different approaches and meanings involved in the SD discourse. Overall, the aim is to foster critical analysis of the principles, practice and plurality of Sustainable Development, and thereby - ultimately - contribute to the evolution of innovative, interdisciplinary thinking and action necessary for moving towards more sustainable futures.</p>				
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3 x 1-hour lectures (x 11 weeks) 1-hour tutorials (x 5 weeks), 1 x 8-hour fieldwork and 2 further contact hours in total			
	<b>Scheduled learning:</b> 48 hours		<b>Guided independent study:</b> 154 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr A C K Brown			
<b>Module teaching staff:</b>	Team taught			

<b>SD1004 Sustainable Development Goals: Challenges &amp; Opportunities</b>				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester</b>	2
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu			
<p>Building on the introduction and broad overview of Sustainable Development (SD) provided in SD1000, SD1004 offers detailed investigation of a selection of core issues in SD and of how these issues are addressed by key players. Utilising the UN's Sustainable Development Goals as a framework, the module is organised around five thematic clusters: Poverty, inequalities &amp; migration; Health, education and wellbeing; Peace, justice and governance; Climate change and energy; and Biodiversity and ecosystems. These themes are explored from various disciplinary perspectives, explaining: (i) how each theme can be understood and what it entails in practice, (ii) who the key stakeholders are and the nature of their involvement, and (iii) how we can critically analyse the evidence in the context of SD and go beyond conventional paradigms and behavioural patterns. The module also highlights recurring, cross-cutting themes such as values, partnership and diversity as ambitions of SD.</p>				
<b>Pre-requisite(s):</b>	Before taking this module you must pass SD1000			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3 lectures (x 10 weeks), 1 tutorial (x 5 weeks) and 4 hours of fieldwork over the semester			
	<b>Scheduled learning:</b> 39 hours		<b>Guided independent study:</b> 164 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Re-assessment pattern:</b>	2-hour Written Examination - 100%			
<b>Module coordinator:</b>	Dr A C K Brown			
<b>Module teaching staff:</b>	Team taught			

## Geography & Sustainable Development - 1000 & 2000 Level - 2019/0 - August - 2019

SD2001 Sustainable Development: Frameworks for Implementation				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester</b>	1
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	1.00 pm Tue, Thu, Fri (lectures), and one of 9.00 am, 10.00 am Wed, or 10.00 am Thu (seminars/tutorials)			
Having considered in Level 1 why the concept of sustainable development (SD) is important and key concerns and areas of debate in understanding meanings of SD, Level 2 of the programme progresses to introduce aspects of how SD might be encouraged and facilitated. This module considers broad conceptual approaches to implementing SD. It includes more traditional frameworks based on governance and regulation ('command and control') as well as examining the role and importance of other approaches, including environmental economics and the use of market-based mechanisms, technological innovation, self-regulation, changing individual lifestyles, education and community-based enablement, and the principles of conservation science. The module also addresses the extent to which these different approaches are independent or can be used together to bring about change for SD.				
<b>Pre-requisite(s):</b>	Before taking this module you must pass SD1000 and pass SD1004			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 3 lectures ( x 10 weeks), 4 x 1-hour seminars, 5 x 1-hour tutorials, 2 x 1-hour debriefing sessions, 2 x 6-hour fieldtrips during the semester.			
	<b>Scheduled learning:</b> 53 hours		<b>Guided independent study:</b> 247 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations = 30%, Practical Examinations = 20%, Coursework = 50%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr T A Stojanovic			
<b>Module teaching staff:</b>	Team taught			

SD2002 Sustainable Development: Tools for Action				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester</b>	2
<b>Academic year:</b>	2019/0			
<b>Planned timetable:</b>	1.00 pm Mon, Tue, Thu, Fri (lectures), 10.00 am and 11.00 am Tue & Wed, 9.00 am & 10.00 am Thu (seminars/tutorials), 10.00 am Wed & Thu (labs)			
It is not often clear how ideas from sustainable development catalysed real-world change. The SD2002 module builds upon core themes from SD2001 and looks at 'how' different agents, such as governments, corporations, and individuals enact change. Fundamental to this module is the development of methodologies used to gather evidence and study the problems faced in SD. The module will challenge students to develop critical analysis skills; both qualitative and quantitative. A highlighting feature of the SD2002 module is a field-trip to the Links at St Andrews, to learn about sustainability initiatives in the golf industry.				
<b>Pre-requisite(s):</b>	Before taking this module you must pass SD2001			
<b>Learning and teaching methods of delivery:</b>	<b>Weekly contact:</b> 38 lectures (3 lectures x 11 weeks plus 5 extra lectures); 1-hour seminar ( x 8 weeks); 1-hour tutorial (x 4 weeks); 2-hours practicals (x 3 weeks); and 1 x 4-hours fieldtrip			
	<b>Scheduled learning:</b> 56 hours		<b>Guided independent study:</b> 244 hours	
<b>Assessment pattern:</b>	<b>As defined by QAA:</b> Written Examinations 50%, Practical Examinations 20%, Coursework 30%			
	<b>As used by St Andrews:</b> 2-hour Written Examination = 50%, Coursework = 50%			
<b>Re-assessment pattern:</b>	2-hour Written Examination = 100%			
<b>Module coordinator:</b>	Dr T A Stojanovic			
<b>Module teaching staff:</b>	Team taught			