

Sustainable Development (SD) modules

SD3221 Frontiers in Sustainability Research: Do Good Lives Cost the Earth?				
SCOTCAT Credits:	20	SCQF Level 9	Semester:	1
Academic year:	2016/7			
Availability restrictions:	Offered on a two-year cycle.			
Planned timetable:	To be arranged.			
<p>Material wealth has arguably created a 'culture of surplus' through which the pursuit of improved personal well-being has involved ever greater consumption of material goods, leaving in its wake a legacy of environmental problems (Ryan and Deci 2001). Yet across the world, people have often reported having long and happy lives ('happy life years'), whilst consuming different levels of resources (Seaford 2011). The security of these resources varies enormously too with potential implications for well-being, and much of this security is changing with increasing global connectivity and shifts from subsistence to monetary economies (Fazey et al., 2011). This module draws on evidence and literature from across several disciplines (for example, geography, psychology, sociology, politics) to explore the relationship between personal well-being and planetary well-being (via environmental behaviour). It will look at and critically assess models of personal well-being and environmental behaviour, notions of the 'good' life, and behaving 'well'. It will also explore debates around responsibility for personal well-being and environmental behaviour, and how that is manifest in processes of policy-making.</p>				
Programme module type:	Optional for all degrees involving Sustainable Development or Geography			
Pre-requisite(s):	Passes at grade 11 or better in (SD2001 and SD2002) or (GG2011 and GG2012)			
Learning and teaching methods and delivery:	Weekly contact: 1 x 2-hour lecture (x 11 weeks), 3 x 2-hour seminars and 1 x 2-hour tutorial during the semester			
	Scheduled learning: 30 hours		Guided independent study: 170 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%			
	As used by St Andrews: Coursework = 40%, 2-hour Written Examination = 60%			
Re-Assessment pattern:	2-hour Written Examination = 100%			
Module Co-ordinator:	Dr L A Reid			
Lecturer(s)/Tutor(s):	Dr L A Reid			

Geography & Geosciences Honours Level - 2016/7 - August 2016

SD3222 Governance for Sustainability			
SCOTCAT Credits:	20	SCQF Level 9	Semester: 1
Academic year:	2017/8		
Availability restrictions:	Offered on a two-year cycle.		
Planned timetable:	9.00 - 11.00 am Mon, occasional 9.00 am - 11.00 am Wed		
<p>The Earth's environment has become a major focal point of international conflict and cooperation. Responding to the growing threats of climate change and energy insecurity, countries have signed over 700 international treaties designed to protect and manage the environment. Just as importantly, they have developed elaborate tools and systems for observing and modelling the behaviour of the global environment and translating this knowledge into policy advice. At the same time, global challenges demand action from local, national and transnational actors. This course provides a broad overview of developments and patterns in the practical, theoretical and political dimensions of multi-level governance as they have emerged over the past three decades. In so doing, a wide range of policy case studies are explored including energy, climate change, oceans and marine planning.</p>			
Programme module type:	Optional for all degrees involving Sustainable Development or Geography		
Pre-requisite(s):	Passes at grade 11 or better in (SD2001 and SD2002) or (GG2011 and GG2012)		
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour lecture plus 1 x 1-hour seminar (x 11 weeks) plus 2 x 3-hour seminars		
	Scheduled learning: 26 hours	Guided independent study: 174 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 60%, Practical Examinations = 10%, Coursework = 30%		
	As used by St Andrews: 2-hour Written Examination = 60%, Coursework = 40%		
Re-Assessment pattern:	2-hour Written Examination = 100%		
Module Co-ordinator:	Dr T A Stojanovic		
Lecturer(s)/Tutor(s):	Dr T A Stojanovic, D McCauley		

Geography & Geosciences Honours Level - 2016/7 - August 2016

SD3224 Introduction to Environmental Economics				
SCOTCAT Credits:	20	SCQF Level 9	Semester:	1
Academic year:	2017/8			
Planned timetable:	9.00 am - 11.00 am 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:	Optional for all degrees involving Sustainable Development or Geography			
Pre-requisite(s):	Passes at grade 11 or better in (SD2001 and SD2002) or (GG2011 and GG2012)			
Anti-requisite(s):	SD5023			
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour lecture (x 11 weeks), 1 x 1-hour seminar (x 11 weeks)			
	Scheduled learning: 22 hours		Guided independent study: 178 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 10%, Coursework = 40%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-Assessment pattern:	2-hour Written Examination = 100%			
Module Co-ordinator:	Prof N Hanley & Dr E McLaughlin			
Lecturer(s)/Tutor(s):	Prof N Hanley & Dr E McLaughlin			

SD3225 Transitioning to Sustainability: The Nature of Community in Multi-level Governance and Action for Sustainability				
SCOTCAT Credits:	20	SCQF Level 9	Semester:	1
Academic year:	2017/8			
Availability restrictions:	Offered on a two-year cycle.			
Planned timetable:	10.00 am - 12.00 noon Fri			
Sustainability will never be achieved only through state intervention. A shift towards management models includes an emphasis on community as an essential component of multi-level governance for sustainability. In this module we will explore how communities of place, interest, practice and value can contribute to the transition to sustainability. We will examine how community interacts with other sectors, explore learning, adaptation and resilience in communities and pursue the trend for alternative economies. We will draw on examples from the global north and south. In addition, we will critique the contested concept of community itself, acknowledging issues relating to heterogeneity, representation and relationality.				
Programme module type:	Optional for all degrees involving Sustainable Development or Geography			
Pre-requisite(s):	Passes at grade 11 or better in (SD2001 and SD2002) or (GG2011 and GG2012)			
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour lecture (x 11 weeks), 1 x 1-hour seminar (x 11 weeks) 5-hour practical session (x 1 week), 10-hour fieldwork (x 1 week)			
	Scheduled learning: 37 hours		Guided independent study: 163 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: 2-hour Written Examination = 50%, Coursework = 50%			
Re-Assessment pattern:	2-hour Written Examination = 100%			
Module Co-ordinator:	Dr R White			
Lecturer(s)/Tutor(s):	Dr R White			

Geography & Geosciences Honours Level - 2016/7 - August 2016

SD3237 Placing Sustainability: Knowledge & Wellbeing for the Anthropocene			
SCOTCAT Credits:	20	SCQF Level 9	Semester: 1
Academic year:	2017/8		
Availability restrictions:	Offered on a two-year cycle.		
Planned timetable:	To be arranged.		
<p>This module engages with debates on the culturally shaped idea of sustainability and how it changes geographically across place. This will be discussed through a variety of ethnographic examples, especially indigenous peoples of Latin America. The module will bring together for the first time and discuss in critical and novel ways three distinct yet interrelated bodies of literature and debates, namely the scholarships on sustainability, well-being and ways of knowing. The critical engagement with scholarly and policy debates on knowledge, “alternative” knowledge, indigenous ways of knowing, and their relationship with ‘well-being’ will be core to the module, to challenge and disrupt mainstream sustainability scholarship.</p>			
Programme module type:	Optional for all degrees involving Sustainable Development or Geography		
Pre-requisite(s):	Passes at grade 11 or better in (SD2001 and SD2002) and/or GG2012 and/or SA2002		
Learning and teaching methods and delivery:	Weekly contact: 1 x 1-hour lecture (x 5 weeks), 1 x 1-hour seminar (x 5 weeks) 40-hour fieldwork (x 2 weeks)		
	Scheduled learning: 90 hours	Guided independent study: 110 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework = 100%		
Re-Assessment pattern:	2-hour Written Examination = 100%		
Module Co-ordinator:	Dr E Ferraro		
Lecturer(s)/Tutor(s):	Dr E Ferraro		

Geography & Geosciences Honours Level - 2016/7 - August 2016

SD4299 Dissertation in Sustainable Development			
SCOTCAT Credits:	60	SCQF Level 10	Semester: Whole Year
Academic year:	2016/7 & 2017/8		
Availability restrictions:	Core - Available only to students who intend an Honours Degree in Sustainable Development.		
Planned timetable:	To be arranged.		
<p>This module is largely based upon independent study. Students select a research question in Sustainable Development, mount a research programme to investigate the topic, and write a dissertation on the work. The topic is selected during the second semester of the junior honours year; data can be collected during the following vacation with data analysis and the writing of the dissertation taking place over both semesters of Senior Honours. Each student is supervised by a member of the teaching staff from an appropriate disciplinary area who will ensure that the topic chosen is viable and advise students on data collection and analysis. Students attend an introductory session at the start of semester 2, followed by a series of 'workshop' sessions covering aspects of research design and process during the semester. Individual tutorials are decided between the individual student and their supervisors. The dissertation will normally be based in the disciplinary area of the student's partner subject, but in recognition of the interdisciplinary nature of the field of study of sustainable development and of the SD Programme, the dissertation will itself be interdisciplinary to some extent. An important component of the dissertation is the annual Senior Honours Research Conference at which all students present their work to members of the school and to Junior Honours students as an oral presentation.</p>			
Programme module type:	Compulsory for Sustainable Development		
Pre-requisite(s):	One of SG3201 - SG3204	Anti-requisite(s):	SD4002
Learning and teaching methods and delivery:	Weekly contact: Up to 8 hours of guided study per student over the semester (one-to-one supervision, by arrangement with supervisor), plus a 1 day (8-hour) conference		
	Scheduled learning: 16 hours	Guided independent study: 584 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Dissertation and Conference Paper = 100%		
Re-Assessment pattern:	Oral Examination = 100%		
Module Co-ordinator:	Dr S Leahy		
Lecturer(s)/Tutor(s):	Team taught		