

## Sustainable Development (SD) modules

SD1000 What is Sustainable Development?				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	1
<b>Academic year:</b>	2017/8 & 2018/9			
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu			
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.				
<b>Programme module type:</b>	Compulsory for Sustainable Development			
<b>Learning and teaching methods and 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 Co-ordinator:</b>	Dr A Brown			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

SD1004 Sustainable Development Goals: Challenges & Opportunities				
<b>SCOTCAT Credits:</b>	20	SCQF Level 7	<b>Semester:</b>	2
<b>Academic year:</b>	2017/8			
<b>Planned timetable:</b>	9.00 am Tue, Wed, Thu			
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 & migration; Health, education & wellbeing; Peace, justice & governance; Climate change & 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.				
<b>Programme module type:</b>	Compulsory for Sustainable Development Optional for all other programmes			
<b>Learning and teaching methods and 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 Co-ordinator:</b>	Dr A Brown			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

## Geography & Sustainable Development - 1000 & 2000 Level - 2017/8 - August 2017

SD2001 Sustainable Development: Frameworks for Implementation			
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b> 1
<b>Academic year:</b>	2017/8 & 2018/9		
<b>Planned timetable:</b>	1.00 pm Mon, Tue, Fri (lectures), and one of 9.00 am, 10.00 am Wed, or 10.00 am Thu (seminars/tutorials)		
<p>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.</p>			
<b>Programme module type:</b>	Compulsory for Sustainable Development		
<b>Pre-requisite(s):</b>	SD1000		
<b>Learning and teaching methods and 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 Co-ordinator:</b>	Dr T A Stojanovic		
<b>Lecturer(s)/Tutor(s):</b>	Team taught		

## Geography & Sustainable Development - 1000 & 2000 Level - 2017/8 - August 2017

SD2002 Sustainable Development: Tools for Action				
<b>SCOTCAT Credits:</b>	30	SCQF Level 8	<b>Semester:</b>	2
<b>Academic year:</b>	2017/8 & 2018/9			
<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)			
<p>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.</p>				
<b>Programme module type:</b>	Compulsory for Sustainable Development			
<b>Pre-requisite(s):</b>	SD2001			
<b>Learning and teaching methods and 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 Co-ordinator:</b>	Dr T A Stojanovic			
<b>Lecturer(s)/Tutor(s):</b>	Team taught			

