

Sustainable Development

Sustainable Development (SD) Modules

SD1001 Sustainable Development : Priorities and Pathways				
SCOTCAT Credits:	20	SCQF Level 7	Semester:	1
Planned timetable:	9.00 am Mon, Tue, Thu, Fri.			
Sustainable development offers a framework to identify global priorities and to explore alternative pathways by which we may recognise environmental limits and strive for social justice, in order to leave a better world for future generations. This module takes an interdisciplinary approach to critique diverse interpretations of sustainable development and to discuss its application at local, national and global levels. The module is taught collaboratively by staff from across the University (e.g. Biology, Divinity, Geography and Geosciences, Modern History, Social Anthropology and Estates). Students will explore themes such as the history and frameworks of sustainable development; biodiversity conservation; international development and culture; and institutional sustainable development strategies. Cross-cutting themes will be identified and discussed and linkages will be developed across the module.				
Programme module type:	Either SD1001 or SD1003 is compulsory for Sustainable Development			
Learning and teaching methods and delivery:	Weekly contact: 4 lectures per week and 2 tutorials during the semester.			
	Scheduled learning: 148 hours		Guided independent study: 52 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: Coursework = 50%, 2-hour Examination = 50%			
Module Co-ordinator:	Dr I R A Fazey			

SD1003 Sustainable Development : Towards Alternative Futures				
SCOTCAT Credits:	20	SCQF Level 7	Semester:	2
Planned timetable:	9.00 am Mon, Tue, Thu, Fri.			
Sustainable development offers an approach to envisage alternative futures through the theoretical development of different paradigms and the practical application of such theories. This module takes an interdisciplinary approach to different perspectives of sustainable development and to discuss its application at local, national and global levels. The module is taught collaboratively by staff from across the University (e.g. Art History, Biology, Chemistry, Economics and Finance, Geography and Geosciences, International Relations, Management, Mathematics and Statistics and Medicine). It builds on some of the material from SD1001 but also can be taken as a stand-alone module. Students will explore themes such as climate change and responses; sound science, knowledge and learning for sustainable development; water and sanitation; and governance for sustainable development. Cross-cutting themes will be identified and discussed and linkages will be developed across the module.				
Programme module type:	Either SD1001 or SD1003 is compulsory for Sustainable Development			
Anti-requisite(s):	SD1002			
Learning and teaching methods and delivery:	Weekly contact: 4 lectures per week plus 2 tutorials during semester .			
	Scheduled learning: 148 hours		Guided independent study: 52 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 0%, Coursework = 50%			
	As used by St Andrews: Coursework = 50%, 2-hour Examination = 50%			
Module Co-ordinator:	Dr R M White			

Sustainable Development - 1000 & 2000 Level 2012/13 - August 2012

SD2001 Sustainable Development : Ecological and Environmental Aspects			
SCOTCAT Credits:	30	SCQF Level 8	Semester: 1
Planned timetable:	1.00 pm		
<p>This module takes students through a range of ecological and environmental issues associated with sustainable development. This interdisciplinary module is taught collaboratively by staff from the Schools of Biology, Chemistry, Geography & Geosciences and Mathematics & Statistics. The module explores five main themes:</p> <p>Part A -ecosystem functions and services- provides a general introduction to key concepts, including: biodiversity, ecosystems, and the role of environmental cycles.</p> <p>Part B -the anthropogenic effects on ecosystem functions and services- explores the human impacts on natural systems, including issues of habitat change, global warming, agriculture, commercial and industrial impacts.</p> <p>Part C – environmental monitoring and assessment – considers the supporting evidence base required for sustainability. Techniques are explored through case studies at local and global levels.</p> <p>Part D -technology and the environment- considers how advances in technology might play a crucial role in moving towards sustainability, and the potential impacts of technology, both positive and negative (focusing energy supply and use, and also geo-engineering).</p> <p>Part E -conservation and management - covers issues including species and habitat protection, protected area design, and community participation.</p> <p>The module covers a wide range of theory and knowledge, and provides you with ideas and material from various disciplines. You will be assessed by an essay, which will enhance your understanding of a particular field and the constraints to achieving sustainable development. Essay topics will be supported by tutorial sessions. The seminar series offers an opportunity for peer learning and presentation by exploring case studies of a range of relevant topics and offering time for discussion.. There will be a fieldtrip to St Andrews Bay and the Eden Estuary.</p>			
Programme module type:	Compulsory for Sustainable Development		
Pre-requisite(s):	SD1001 or SD1003		
Learning and teaching methods and delivery:	Weekly contact: 3 lectures, 1 seminar and 1 tutorial.		
	Scheduled learning: 77 hours	Guided independent study: 223 hours	
Assessment pattern:	As defined by QAA: Written Examination = 30%, Practical Examination = 20%, Coursework = 50%		
	As used by St Andrews: Coursework = 50%, 3-hour Examination = 50%		
Module Co-ordinator:	Dr T A Stojanovic		

Sustainable Development - 1000 & 2000 Level 2012/13 - August 2012

SD2002 Sustainable Development : Social and Economic Aspects				
SCOTCAT Credits:	30	SCQF Level 8	Semester:	2
Planned timetable:	1.00 pm			
<p>This interdisciplinary module explores a broad range of issues concerning social justice and development which are associated with sustainable development. It is taught collaboratively by staff from the Schools of Geography & Geosciences, Management, History, and Philosophical, Anthropological & Film Studies. There are four central themes explored in the module:</p> <p>Part A: Values, philosophy and history of sustainability and development considers worldviews and assumptions behind sustainable development; the history of ecology and empire; and the rise of environmental consciousness.</p> <p>Part B: Policy, decision making and governance explores the role of the state; and practical environmental planning and management, including EIAs and SEAs.</p> <p>Part C: Markets and institutions focuses on the corporation and the role of business organizations in managing for sustainable development, including topics such as ethical investment and corporate reporting.</p> <p>Part D: Development, cultures and social justice focuses on the role of culture in SD by presenting ethnographic case studies from across the world that discuss the impact of development projects on indigenous peoples; gender; and the (cultural) impact of mining. Examples from around the world are used to illustrate the above.</p> <p>Assessments for this module include a social accounting exercise, a poster presentation and a seminar on a topic of the student's choice.</p>				
Programme module type:	Compulsory for Sustainable Development			
Pre-requisite(s):	SD2001			
Learning and teaching methods and delivery:	Weekly contact: 3 lectures, 1 seminar and 1 tutorial.			
	Scheduled learning: 56 hours		Guided independent study: 244 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 50%, Practical Examinations = 20%, Coursework = 30%			
	As used by St Andrews: Coursework = 50%, 3-hour Examination = 50%			
Module Co-ordinator:	Dr R M White			