

Geography & Sustainable Development - Honours Level - 2018/9 - August - 2018

Sustainable Geography (SG) modules

SG4221 Review Essay				
SCOTCAT Credits:	20	SCQF Level 10	Semester	1
Academic year:	2018/9			
Availability restrictions:	Core - available every year			
Planned timetable:	4.00 pm - 6.00 pm Thu			
This elective requires students, working independently, to identify and critically review a body of literature, giving an account of its substantive content, and critically assessing the evidence on which it is based. Students can either identify an intellectual field that lies outside those addressed in available 3000-level options modules, or build on a field covered in the programme, pursuing it at greater depth. In addition to supervisory sessions and module tutorials, students may also attend sessions in a relevant 3000-level option module running in the same semester.				
Pre-requisite(s):	Before taking this module you must pass SG3201 or pass SG3202 or pass SG3203 or pass SG3204			
Learning and teaching methods of delivery:	Weekly contact: Introductory lecture and seminar (2 hours) followed by guided independent study (one-to-one supervision)			
	Scheduled learning: 2 hours		Guided independent study: 198 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:	Review Essay = 100%			
Module coordinator:	Dr S Leahy			
Module teaching staff:	Team taught			

SG4222 Advanced Qualitative Analysis				
SCOTCAT Credits:	20	SCQF Level 10	Semester	1
Academic year:	2018/9			
Availability restrictions:	Not automatically available to General Degree students			
Planned timetable:	2.00 pm - 4.00 pm Thu			
This module offers advanced training in methods of qualitative analysis that facilitate dissertation work and develop transferable skills for future careers. Learning is project/problem-based, and students gain practical experience of working with a range of qualitative data (e.g. archives, visual and textual documents and interview transcripts) using a range of analytical approaches (e.g. discourse analysis, deconstruction, grounded theory and computer-assisted qualitative analysis). Research data are drawn from a range of areas within geography and sustainable development. . Techniques, themes and materials will vary according to staff availability.				
Pre-requisite(s):	Before taking this module you must pass SG3201 or pass SG3202 or pass SG3203 or pass SG3204			
Learning and teaching methods of delivery:	Weekly contact: 2-hour lecture (x 4 weeks), 2-hour seminar (x2 weeks), 2- hour practical (x3 weeks)			
	Scheduled learning: 18 hours		Guided independent study: 182 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:	Coursework project = 100%			
Module coordinator:	Dr D W Clayton			
Module teaching staff:	Team taught			

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SG4223 Advanced Quantitative Analysis				
SCOTCAT Credits:	20	SCQF Level 10	Semester	1
Academic year:	2018/9			
Availability restrictions:	Not automatically available to General Degree students			
Planned timetable:	Lectures - 1.00 pm - 3.00 pm Tue Practicals - 3.00 pm - 5.00 pm Tue			
<p>Students taking this module will learn some of the core research skills necessary to be a professional quantitative social science researcher and then to carry out a typical consulting project. It will allow them to explore a substantive policy issue, carry out their own quantitative research and then make recommendations based on these findings. They will be presented with a 'real world' scenario and be expected to take on the role of a researcher who is advising policy makers; in simulations of various policy forums, they will then learn how to defend their recommendations and advice. They will first be taught the relevant quantitative research skills and introduced to potentially useful research resources. They will then be expected to construct their own research strategy, carry out the necessary research and present this in various formats, working independently of the teaching staff.</p>				
Pre-requisite(s):	Before taking this module you must pass SG3201 or pass SG3202 or pass SG3203 or pass SG3204			
Learning and teaching methods of delivery:	Weekly contact: 2-hour lectures, 2-hour seminars, 1-hour practical classes each week for 7 weeks, and occasional tutorials.			
	Scheduled learning: 38 hours		Guided independent study: 162 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 13%, Coursework = 87%			
	As used by St Andrews: Practical Examination = 13%, Coursework = 87%			
Re-assessment pattern:	Coursework project = 100%			
Module coordinator:	Dr K L Keenan			
Module teaching staff:	Team taught			

SG4224 Advanced Topics in Physical Sciences				
SCOTCAT Credits:	20	SCQF Level 10	Semester	1
Academic year:	2018/9			
Availability restrictions:	Not automatically available to General Degree students			
Planned timetable:	Lectures - 2.00 pm - 3.00 pm Thurs Practicals - 3.00 pm - 5.00 pm Thurs			
<p>This module introduces students to a range of advanced and cutting edge topics in Physical Geography and other physical sciences relevant to geography and sustainable development. Three topics are offered each year that build on material explored in 3000-level Honours modules, and which expand and deepen students' practical skill set. Students choose two of the three topics. Each topic includes in-depth study of the primary literature, combined with advanced training in analytical, technical or methodological approaches, thus integrating hands-on applied learning with critical reading of the primary literature. The module complements and expands the learning acquired in SG3201-SG3204, and provides additional resources for the development of students' individual dissertation projects.</p>				
Pre-requisite(s):	Before taking this module you must pass SG3201 or pass SG3202 or pass SG3203 or pass SG3204			
Learning and teaching methods of delivery:	Weekly contact: 2 hour lectures (x 9 weeks) and 1 x 1-day (4 hour) field class.			
	Scheduled learning: 22 hours		Guided independent study: 178 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:	Coursework project = 100%			
Module coordinator:	Dr R T Streeter			
Module teaching staff:	Team taught			

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SG4228 Advanced Topics in Geographic Information Science (GISci)			
SCOTCAT Credits:	20	SCQF Level 10	Semester 1
Academic year:	2018/9		
Availability restrictions:	Available every year.		
Planned timetable:	Lectures - 1.00 pm - 3.00 pm Mon Practicals - 3.00 pm - 5.00 pm Mon		
<p>The first part of the module explores advanced GIS and spatial analysis techniques for use with geographic datasets. Students will gain theoretical and applied knowledge in order to study and describe spatial patterns in geographic data. Theoretical understanding will be emphasised through lectures and readings. Labs/practicals will be designed to provide students with hands-on experience applying theory and techniques to datasets spanning human and environmental geography using applications including crime, forestry, health, environmental change, and housing. Focus will be placed on methods for analysing spatial point patterns, spatial autocorrelation, and spatial modelling. In the second part, students will engage in a small research project of their choosing to showcase their new advanced GIS skills. The project will allow students to use GIS and spatial analysis techniques to address a chosen problem in either of the social, physical, or environmental sciences. Students with domain knowledge in human geography, physical geography, or sustainable development will be able to tailor GIS projects to their own applications.</p>			
Pre-requisite(s):	Before taking this module you must pass GG3201		
Learning and teaching methods of delivery:	Weekly contact: 2 hours lectures (x 9 weeks), 2-hour practical classes (x 6 weeks), 2-hour IT Lab Help sessions (x 3 weeks)		
	Scheduled learning: 36 hours	Guided independent study: 164 hours	
Assessment pattern:	As defined by QAA: Written Examinations = 0%, Practical Examinations = 0%, Coursework = 100%		
	As used by St Andrews: Coursework project = 100%		
Re-assessment pattern:	No Re-assessment available		
Module coordinator:	Dr J A Long		
Module teaching staff:	Dr J Long, Dr U Demsar		