

The following module specifications reflect the most current planning for module delivery in the 2021/22 academic year. In planning for module delivery in 2021/22 the University will continue to respond to the UK government's projected road map, and also to any further relevant national developments and public health requirements relating to the coronavirus pandemic. The University will continue to develop our approach to delivery and assessment in 2021/22 and these specifications may be subject to change in the event of updating national guidance or public health requirements. The specifications will be updated as soon as practically possible to reflect changes as they arise.

GY1411 Human Geography for a Globalized World

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	16
Synchronous Small Group Teaching	18
Synchronous Practical Classes/ Workshops/Professional Placements	4
Synchronous Other	
Asynchronous Lectures/Presentations	8
Asynchronous Other	
Guided Independent Study	104
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Martin Phillips
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework Portfolio	40				
002	Written Exam (Final)	60		1.5		

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- define key geographical concepts, such as place, space, spatiality, scale and network;
- discuss how geographers have studied contemporary geographies of globalization;
- describe geographical identity, difference and inequality at various spatial scales;
- outline how place, spatiality and networks matter to a variety of social, cultural, economic and political processes that are studied by contemporary geographers.

Teaching and Learning Methods

Asynchronous on-line lectures & learning activities, synchronous on-line lectures and discussions, face to face seminar discussions and learning activities, Directed Reading, Independent Study

Assessment Methods

Exam, Coursework Portfolio (based around learning activities conducted on module)

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

reading for lectures; reviewing/making deeper lecture notes having followed up reading, background reading for assessments; revision for short answer test and written exam

GY1412 Environment / Nature / Society

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	21
Synchronous Small Group Teaching	6
Synchronous Practical Classes/ Workshops/Professional Placements	
Synchronous Other	10
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	113
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Brett Matulis
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework: Critical Review Essay	50				
002	Coursework	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Understand the various historical and contemporary ways of conceptualising nature
- Acquire a historical perspective of environmental governance
- Explain how environmental values are changing and with what social consequences
- Use a variety of case examples to explain ecosystem degradation, land use conflicts, issues social justice, and resource extraction dilemmas
- Understand a variety of solutions to ongoing environmental tensions through restoration projects, degrowth, and alternative knowledges

Teaching and Learning Methods

Lectures
 Topical seminars
 Directed Reading
 Film

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars
 Independent reading for coursework assignment
 Guided personal reflection exercises

GY1421 Working with Geographical Information

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	20
Synchronous Other	
Asynchronous Lectures/Presentations	10
Asynchronous Other	
Guided Independent Study	110
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Kirsten Barrett
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test	50		0.7		
002	Submission One: Practical One	10				
003	Submission Two: Practical Three	10				
004	Submission Three: Practical Five	10				
005	Submission Four: Practical Eight	10				
006	Submission Five: Practical Nine	10				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- describe and summarize quantitative geographical data numerically and graphically;
- explain the difference between samples and populations of quantitative data and the implications these differences have for manipulating sampled data;
- select an appropriate test of difference or association to test hypotheses based the descriptive statistical analyses;
- carry out tests of difference (t-tests and chi-sq tests) on geographical data and interpret and evaluate the results;
- perform ordinary least squares regression and interpret the relationship between response and explanatory variables.

Teaching and Learning Methods

Lectures; Computer Based Practical Classes.

Assessment Methods

Test
 Submission One: Practical One
 Submission Two: Practical Three
 Submission Three: Practical Five
 Submission Four: Practical Eight
 Submission Five: Practical Nine

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars, reviewing lecture notes and following up on concepts with materials from Blackboard resources folder or independent searches for information, preparing for practical exercises or completing these.

GY1422 Introducing Leicester Geographies

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	4
Synchronous Small Group Teaching	18
Synchronous Practical Classes/ Workshops/Professional Placements	1
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	127
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Benjamin Coles
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Essay 1	30				
002	Essay 2	40				
003	Presentation	30				
004	Plagiarism Test	0	40			

Intended Learning Outcomes

On successful completion of the module, students should be able to:

1. Demonstrate their ability to locate, critically evaluate and appropriately use information in the study of geography;
2. Communicate geographical concepts and information in written and oral formats;
3. Work effectively as a member of a group to collectively explore geographical concepts
4. Demonstrate academic integrity in submitted work through appropriate use of academic citation and referencing convention.

Teaching and Learning Methods

Lectures; Tutorials; Practical class/workshop.

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading; working on referencing; developing Powerpoint presentation skills

GY1423 Exploring our Digital Planet

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	9
Synchronous Small Group Teaching	7
Synchronous Practical Classes/ Workshops/Professional Placements	16
Synchronous Other	
Asynchronous Lectures/Presentations	0
Asynchronous Other	0
Guided Independent Study	118
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Kevin Tansey
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Digital Map Design	50				
002	Digital Geographies Short Answer coursework	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

1. Produce a map with appropriate symbology, colour, scale and representation
2. Demonstrate understanding of a Geographical Information System
3. Demonstrate understanding about the nature and format of digital data and its representation
4. Demonstrate understanding of the applications of map production and spatial data analysis in a number of thematic areas in human and physical geography
5. Demonstrate abilities in the use of IT, numeracy, problem solving and information handling

Teaching and Learning Methods

Lectures; Computer-Based Practicals; Independent Study

Assessment Methods

Digital Map Design
Digital Geographies Short Answer coursework

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Directed reading, revision of both lecture and practical material

GY1431 Evolution of the Earth System

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	6
Synchronous Small Group Teaching	12
Synchronous Practical Classes/ Workshops/Professional Placements	0
Synchronous Other	6
Asynchronous Lectures/Presentations	13
Asynchronous Other	3
Guided Independent Study	110
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Andrew Carr
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Short answer question worksheet	15				
002	Short answer question worksheet	15				
003	Coursework	70				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- 1) Outline the concept of the "Earth System" and be able to illustrate this with examples of its functioning (e.g. interactions between the "spheres")
- 2) Explain the major controls on planetary temperatures and the implications for planetary habitability.
- 3) Understand the nature and divisions of geological time
- 4) Outline the major classes and divisions of life on earth
- 5) Explain the operation of the three major biogeochemical cycles – the carbon, nitrogen and phosphorous cycles
- 6) Illustrate the role of the global carbon cycle in both moderating and driving global climate trends
- 7) Consider the impacts of human activities upon the operation of the Earth System

Teaching and Learning Methods

Learning objectives are taught via a series of online guided activities/computer practicals, reading assignments and worksheets and online recordings. These will be supported by weekly sessions for students to review materials and their own supplementary readings with a tutor. Five on campus face-to-face tutorials are spaced throughout the course. These will be focussed on key concepts using pre-assigned readings and worksheets as a means to begin the discussions. Supplementary numeracy and scientific terminology refresher material, designed to support ongoing learning throughout this module and the first year physical geography material, will be available on Blackboard and (used where appropriate for the student) will be taught through self-help and self-assessment materials provided on the VLE.

Assessment Methods

Students are assessed via two short answer question worksheets and a final selection of coursework essays

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Assigned reading and associated preparation for the three course tutorials, continuous reading to support lecture materials (course text book and specific reading list provided), science and numeracy self-assessment and worksheet material, optional preparation for attendance of (optional) weekly clinic sessions.

GY1432 The Contemporary Earth System

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	17
Synchronous Small Group Teaching	12
Synchronous Practical Classes/ Workshops/Professional Placements	
Synchronous Other	10
Asynchronous Lectures/Presentations	17
Asynchronous Other	12
Guided Independent Study	82
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Jorg Kaduk
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Short answer/MC test/worksheet 1	10		0.33		
002	Short answer/MC test/worksheet 2	30		0.33		
003	Coursework (Final)	60				

Intended Learning Outcomes

On completion of the module, students will be able to describe and account for:

- the Earth's global energy exchanges;
- the global and regional pattern of atmospheric and oceanic circulations;
- climate classification systems and the distribution and differences between global climates;
- global patterns of weathering and soil forming processes and products;
- the distribution of terrestrial biomes and their characteristics.

Teaching and Learning Methods

Lectures, Supervised problem solving, Directed Reading, Independent Study, Self Assessment

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Required reading, recommended videos, short video clips on particular concepts, development of thought/concept maps

GY2410 Histories and Philosophies of Human Geography

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	11
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	0
Synchronous Other	2
Asynchronous Lectures/Presentations	
Asynchronous Other	18
Guided Independent Study	119
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Angela Last
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework: Essay	50				
002	Coursework: Research Log	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- understand the reasons for the changing nature of how the discipline of Geography presents itself
- explain key theoretical perspectives in Human Geography, including their historical origins and contemporary relevance
- critically assess and experiment with different theoretical approaches that move across all areas of Human Geography
- understand how theorisation is performed across a variety of different media, as well as within academic texts

Teaching and Learning Methods

Lectures, seminars, tutorials and guided independent study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Activities for guided independent study should include reading and informal discussion in support of lectures and seminars and in preparation for the exam. Additional independent study should include note revision and supplementary research and reading to support individual learning, lectures and seminars as well as in preparation for final exam and future modules in Human Geography.

GY2411 A Critical Geography of Environment and Development

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	12
Synchronous Small Group Teaching	10
Synchronous Practical Classes/ Workshops/Professional Placements	0
Synchronous Other	
Asynchronous Lectures/Presentations	7
Asynchronous Other	1
Guided Independent Study	120
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Caroline Upton
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	25				
002	Coursework 2	75				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Understand and explain the contested nature of 'development' & 'environment' in theory and practice
- Evaluate the importance of history in understanding contemporary development divides
- Analyse the impacts of contemporary 'development' on different spaces, places and environments
- Understand the contested nature and practices of 'environmental governance'

Teaching and Learning Methods

Online lectures; tutorials, seminars; films; independent study.

Assessment Methods

Two pieces of coursework. CW1: 25%, CW2: 75%

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars/tutorials; preparation for coursework assignment; key readings for online lectures, online exercises.

GY2412 Economy, Society and Space

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	11
Synchronous Small Group Teaching	6
Synchronous Practical Classes/ Workshops/Professional Placements	5
Synchronous Other	
Asynchronous Lectures/Presentations	8
Asynchronous Other	
Guided Independent Study	120
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Benjamin Coles
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework Essay (midterm)	20				
002	Coursework Essay (Final)	80				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Use a 'commodity circuits' approach to examine contemporary geographical developments in some of the key sectors in the global economy.
- Use 'nexus thinking' to examine the dynamics between key 'regions' in the global political and economic system.

Develop effective written communication and research skills about commodities and economies and their relevance for geographical research and practice.

Teaching and Learning Methods

Lectures; Tutorials; Seminars; Directed Reading; Independent. Module assessment includes 1 formative assessment weighted at 20% and 1 summative assessment weighted at 80%

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars, reviewing/making deeper lecture notes having followed up reading, background reading for assignments.

GY2413 Social and Cultural Geography

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	0
Synchronous Small Group Teaching	0
Synchronous Practical Classes/ Workshops/Professional Placements	11
Synchronous Other	10
Asynchronous Lectures/Presentations	17
Asynchronous Other	
Guided Independent Study	112
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Loretta Lees
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Essay	50				
002	Coursework	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Explain the key approaches to study of social and cultural geography.
- Assess the relevance of the cultural turn and poststructural thinking to explaining social and cultural phenomena.
- Analyse how social and cultural spaces/places are constructed, experienced, felt, represented and materialised.
- Critically analyse how social and cultural phenomena are expressed in diverse contexts (eg different places) and at various scales (local, national, global).

Teaching and Learning Methods

Lectures, seminars, surgeries, directed reading, independent study and field trip

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Self-led field trips covering issues in the course.

GY2416 Political Geography: Space, Territory and Power

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	11
Synchronous Practical Classes/ Workshops/Professional Placements	1
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	10
Guided Independent Study	118
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Gavin Brown
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Essay	50				
002	Essay (Final)	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- describe the development of different geographical modes of thinking about politics
- define and apply key geographical concepts pertaining to geopolitics and political geography
- explain the relationship between the state and territory at different spatial scales
- explain the changing forms and functions of the state
- explain the relationship between place, participation and citizenship

Teaching and Learning Methods

Short online lectures; structured activities on virtual learning environment; online tutorials; directed reading; virtual learning environment

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Set reading from reading list; reviewing and making deeper lecture notes enhanced by follow-up reading; background reading for assessments; secondary research for assessments; suggested extension activities from virtual learning environment.

GY2420 Climate Change: Impacts, Vulnerability and Adaptation

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	19
Synchronous Small Group Teaching	6
Synchronous Practical Classes/ Workshops/Professional Placements	
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	125
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Susan Page
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Popular Science Article	50				
002	Individual Poster	50				

Intended Learning Outcomes

Explain the greenhouse effect and the role of humans in the climate system;
 Explain the role of the IPCC, governments and policy makers in assessing scientific, technical and socio-economic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts and options for adaptation and mitigation;
 Describe how selected regions and ecosystems are likely to be affected by climate change up until 2100, including identification of the major risks, impacts and vulnerabilities;
 Interpret recent scientific studies on climate change impacts in the broader context and demonstrate an ability to write scientific material aimed at different audiences (popular and professional);
 Access, analyse and summarise climate data and assess vulnerabilities and likely adaptation and mitigation options.

Teaching and Learning Methods

Lectures, seminars, tutorials, coursework clinics

Assessment Methods

Science article and poster

Pre-Requisites
Co-Requisites
Excluded Combinations
Guided Independent Study: Indicative Activities

Guided reading; preparation of coursework; preparation for contributions to tutorial discussions

GY2421 Geographical Information Science

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	2
Synchronous Small Group Teaching	5
Synchronous Practical Classes/ Workshops/Professional Placements	18
Synchronous Other	
Asynchronous Lectures/Presentations	7
Asynchronous Other	
Guided Independent Study	118
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Claire Jarvis
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	CW Practical 1	50				
002	CW Practical 2	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Input, interrogate and map data using a GIS
- Apply the theory of basic GIS operators and analytical approaches to a variety of geographical problems
- Demonstrate an awareness of the variety of ways in which digital spatially-referenced data, qualitative or quantitative, may be collected and represented
- Outline, explain and critically evaluate a variety of spatial data analysis techniques with reference to a number of geographical examples

Teaching and Learning Methods

Lectures, Computer Practical Classes, Guided Independent Study

Assessment Methods

Coursework 100%

Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading; Computer analyses; Mapping

GY2424 Remote Sensing of the Environment

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	3
Synchronous Practical Classes/ Workshops/Professional Placements	20
Synchronous Other	
Asynchronous Lectures/Presentations	10
Asynchronous Other	
Guided Independent Study	107
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Kirsten Barrett
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Practical Exercise	30				
002	Test	20				
003	Report	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- explain the physical principles underlying remote sensing studies. This includes being able to define key concepts and terminology used in remote sensing such as electromagnetic radiation, surface reflectance and spectral reflectance curves;
- associate the data that these sensors provide with an understanding of interactions of radiation with different surface features and geographical phenomena;
- demonstrate their ability to manipulate satellite data using dedicated image-processing software. Make visual interpretations of satellite images to support theory;
- apply the principles of image acquisition and interpretation to making decisions on the appropriateness of the use of remotely sensed data to address geographical issues in both human and physical environments.

Teaching and Learning Methods

Lectures; Seminars; Computer Practical Classes; Independent Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Reading for seminars, reviewing lecture notes and following up on concepts with materials from Blackboard resources folder or independent searches for information, background reading for assignments

GY2431 Data Analysis

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	1
Synchronous Small Group Teaching	4
Synchronous Practical Classes/ Workshops/Professional Placements	22
Synchronous Other	3
Asynchronous Lectures/Presentations	22
Asynchronous Other	
Guided Independent Study	98
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Mark Powell
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	50				
002	Coursework (Final)	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- analyse and critically evaluate geographical problems
- adopt appropriate methodological strategies for the quantitative analysis of geographical data
- interpret quantitative analyses of geographic data
- write up quantitative analyses and interpretations of geographical data in a stylistically appropriate and concise manner

Teaching and Learning Methods

Lectures, Worksheets, Practical Classes, Workshops, Clinics, Guided Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Worksheets

GY2433 Catchment Systems

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	7
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	16
Synchronous Other	5
Asynchronous Lectures/Presentations	20
Asynchronous Other	13
Guided Independent Study	89
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Mark Powell
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework	25				
002	Seen Exam (Final)	75		2		

Intended Learning Outcomes

On successful completion of the course, students should be able to:

- Describe the main components of the terrestrial water balance, along with common methods for their measurement, and explain how these components interact with one another;
- Critically evaluate the factors controlling hydrological response in river catchments with a range of different characteristics;
- Describe the variety of fluvial forms;
- Account for the variety of channel forms;
- Critically evaluate the concepts of magnitude, frequency and equilibrium morphodynamics in understanding the development of fluvial landscapes

Teaching and Learning Methods

Lectures, Fieldwork, Exercises in Catchment Hydrology and River Geomorphology, Independent Study, Tutorials and Guided Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Worksheets, Directed reading

GY2434 The Dynamic Biosphere

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	13
Synchronous Small Group Teaching	3
Synchronous Practical Classes/ Workshops/Professional Placements	
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	136
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Juan Berrio
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Laboratory Report	25				
002	Coursework	75				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Demonstrate comprehension of basic ecosystem and biogeographical concepts and the role animal and plant species to shape their communities .
- Demonstrate knowledge on biodiversity, species and evaluation of ecosystem diversity and functioning at a range of spatial scales.
- Understand process of evolution, speciation and extinction to understand historical and evolutionary links between species and ecosystems; appreciate how environmental remote sensing can be used to provide spatial and temporal information on both the biosphere and environmental change.
- Learn how to run a simple ecological model.

Teaching and Learning Methods

Lectures; Tutorials; Directed Reading; Laboratory Practical Classes; Computer Practical Classes; Field Courses; Independent Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

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Guided Independent Study: Indicative Activities

Handouts and assigned reading associated to series of tutorials will support students for successful CW submissions. Permanent support by lecturers and further reading materials are available on BB.

GY2436 An Introduction of Past Global Climate Changes

Academic Year: 2021/2
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	20
Synchronous Small Group Teaching	8
Synchronous Practical Classes/ Workshops/Professional Placements	4
Synchronous Other	5
Asynchronous Lectures/Presentations	
Asynchronous Other	8
Guided Independent Study	105
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Andrew Carr
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Ice Core Practical Analysis	30				
002	Coursework 2	70				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Describe the major global climatic shifts, trends and cycles during the Quaternary Period
- Explain the basic principles underlying orbital ('Milankovitch') climate forcing and describe the evidence that supports this hypothesis
- Explain how the Greenland and Antarctic provide records of global climatic changes and describe the main 'internal' drivers of abrupt global climate change identified in these archives
- Summarise the range of palaeo-environmental proxy data sources used by Quaternary scientists
- Describe the principal geochronological techniques utilized in Quaternary science

Teaching and Learning Methods

The module will be taught using a mixture of online lectures, online guided activities, a guided computer practical carried out online/remotely, guided/structured reading materials, a 2 hour laboratory practical, and face to face tutorials spread through the term

Assessment Methods

The module will be assessed via a piece of coursework based around the analysis of real (ice core, ocean core) palaeoclimatic datasets, and via a final suite of coursework essays selected from a list of topics covering the breadth of the course

Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading materials provided in specific lecture reading lists, analysis and presentation of data provided from practical 1 (used in coursework assessment), literature search and association reading required for interpretation of data analysed in CW1

GY3411 Contemporary Environmental Challenges

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	13
Synchronous Small Group Teaching	10
Synchronous Practical Classes/ Workshops/Professional Placements	0
Synchronous Other	6
Asynchronous Lectures/Presentations	6
Asynchronous Other	
Guided Independent Study	115
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Caroline Upton
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	30				
002	Coursework 2	70				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Draw on geographical debates and concepts to analyse contemporary environmental issues and challenges;
- Analyse and critique key concepts, with reference to diverse and contested values;
- Assess the role of alternative knowledge in shaping and contesting environmental practice;
- Critically evaluate prospects for new environmental futures through analysis of various contemporary issues;
- Apply critical thinking to contemporary environmental challenges encountered beyond the core module content.

Teaching and Learning Methods

Online lectures, tutorials, seminars, virtual fieldwork, films, guided review/ learning activities

Assessment Methods

Two pieces of coursework. CW1: 30%, CW2: 70%

Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for seminars/tutorials; preparation and reading for assignments; key readings and exercises for online lectures and note taking; preparation for virtual field visit

GY3412 Cities of the Global South

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	20
Synchronous Practical Classes/ Workshops/Professional Placements	2
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	118
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Matthew Wilde
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
002	Coursework: final essay (end of term)	100				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

Explain how geo-historical processes and everyday socio-political struggles interrelate to govern and shape contemporary cities of the global south

Draw critical comparisons between different topics, cities, geographies and theoretical approaches connected by the module theme

Critically assess contemporary urbanist theories using diverse forms of empirical data

Examine contemporary challenges for cities of the global south and creatively explore their possible futures

Develop effective oral and written communication skills about cities of the global south, urban futures and their relevance for geographical research and practice

Teaching and Learning Methods

Lectures; seminars; tutorials (essay planning); films (followed by critical discussion); directed reading; independent study

Assessment Methods

Reports

Pre-Requisites
Co-Requisites
Excluded Combinations
Guided Independent Study: Indicative Activities

Reading for seminars; reviewing and improving lecture notes (critical reading exercises); background reading for final essay; film screenings followed by critical discussions; peer-to-peer feedback

GY3413 Geographies of the Market Place

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	11
Synchronous Small Group Teaching	4
Synchronous Practical Classes/ Workshops/Professional Placements	4
Synchronous Other	3
Asynchronous Lectures/Presentations	8
Asynchronous Other	
Guided Independent Study	120
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Benjamin Coles
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework: Project Progress Report (Midterm)	20				
002	Coursework: Topography Project (Final)	80				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Explain the relationships between place, place-making and economic markets
- Utilise a (critical) topographic approach to examine marketplaces as affective, as well as material, social and discursive assemblages
- Interrogate the material-semiotics of place to analyse the geographical extent of a market
- Engage a topographical analysis to articulate the intersections, interrelations and interdependancies through which markets become economic as well as geographical entities
- Develop effective research skills about cities, markets and economics, and effective communication skills for their presentation

Teaching and Learning Methods

Lectures; Tutorials; Directed Reading; Workshops; Independent Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for seminars, reviewing/making deeper lecture notes having followed up reading, background reading for assignments, attending field site and analysing data; may also include return visits to field site as individuals or as groups.

GY3414 Critical Geopolitics

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	20
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	8
Synchronous Other	
Asynchronous Lectures/Presentations	10
Asynchronous Other	10
Guided Independent Study	102
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Gavin Brown
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Short essay: geopolitical biography	40				
002	Standard essay	60				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- describe the development (and historical context) of different intellectual traditions of thinking about geopolitics
- explain the difference between formal geopolitics, practical geopolitics, and popular geopolitics
- describe and explain key conceptual approaches associated with critical and feminist geopolitics
- apply critical geopolitical concepts to analyse a historical case study associated with the Cold War and/or decolonization
- apply critical geopolitical concepts to analyse one or more contemporary international case studies

Teaching and Learning Methods

Short online lectures; structured activities on virtual learning environment; online tutorials; directed reading; virtual learning environment

Assessment Methods
Pre-Requisites

GY2416

Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Set reading from reading list; reviewing and making deeper lecture notes enhanced by follow-up reading; background reading for assessments; secondary research for assessments; suggested extension activities from virtual learning environment.

GY3415 Migration, Place and Diversity

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	25
Synchronous Small Group Teaching	10
Synchronous Practical Classes/ Workshops/Professional Placements	
Synchronous Other	
Asynchronous Lectures/Presentations	5
Asynchronous Other	
Guided Independent Study	110
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Katy Bennett
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Presentation	40				
002	Exam	60		2		

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Demonstrate an understanding of contemporary migrations within historical contexts of human migration and socio-spatial change.
- Demonstrate critical understanding of different forms of forced and voluntary migration across the globe and how bordering practices shape experiences of migrants.
- Critically engage with the practices, policies and discourses of receiving societies and the agency of migrants around transnationalism and home.
- Demonstrate an appreciation of theories and concepts used to understand how people live and experience ethnic diversity in different places and spaces.
- Generate focused and comprehensive written and oral presentations.

Teaching and Learning Methods

Teaching will be in the form of lectures, guided activities and student-led seminars. The seminars will take place in the second part of the semester and will involve student presentations.

Assessment Methods

Presentation/exam

Pre-Requisites

GY2410

Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading in preparation for seminars; Wider reading around lecture material; Preparation of assessed presentation and preparation for exams.

GY3417 Critical, Symbolic and Emotional Rural Geographies

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	8
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	13
Synchronous Other	8
Asynchronous Lectures/Presentations	8
Asynchronous Other	
Guided Independent Study	113
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Martin Phillips
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework Essay	50				
002	Fieldwork Report (Final)	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Outline and discuss critical, symbolic and affective approaches to understanding rural geographies;
- Apply these approaches to the analysis of developments in rural spaces in the UK and elsewhere
- Construct theoretical, analytical and creative accounts of contemporary or past aspects of rural life.

Teaching and Learning Methods

Lectures; Seminars; Field Course

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reviewing/making deeper lecture notes having followed up reading; background reading for seminars and assignments; analysis of film, television and magazine imagery, programmes; analysis of data sources and reports; reflection on personal experiences and observations of rural areas.

GY3421 Information Visualisation

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	20
Synchronous Other	1
Asynchronous Lectures/Presentations	10
Asynchronous Other	
Guided Independent Study	119
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Stefano De Sabbata
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1: visualisation exercise	40				
002	Coursework 2: visualisation project and essay	60				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Explain and discuss fundamental concepts related to visual perception and representation, including but not limited to: symbol, glyph, visual variables, dimensionality, models of phenomena, graphical integrity and distortion, data ink, visual hierarchy
- Explain and discuss fundamental concepts related to cartography, including but not limited to: map elements, projection, normalization, classification, choropleth mapping, proportional symbols mapping, dot mapping
- Describe advantages and issues of main visualization methods, and identify an appropriate visualization method for any given case
- Apply the visualization design process to create effective visualizations
- Use software tools (e.g., R, Excel, Illustrator, QGIS) to create effective visualizations

Teaching and Learning Methods

Lectures, Practical Classes and Workshops (computer-based exercises)

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

The students will be presented with three (non-mandatory) formative assignments, that will guide them through a visualization design process. A first assignment will require the identification of a topic and research question. A second assignment will focus on retrieving appropriate data for the selected topic, and conduct an analysis of the collected data (not necessarily using statistical tools). A third assignment will require to create a draft of a visualization based on the analysis conducted for the second assignment. The materials produced for the formative assignment can (but not necessarily have to) be used as base for the summative assignment.

Background reading on the topics discussed during lectures and practicals will be provided.

GY3422 Geographical Information Science

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	16
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	108
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Claire Jarvis
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Essay	50				
002	Project (Final)	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Apply the theory of basic GIS operators and analytical approaches to a variety of geographical data and problems
- Outline, explain and critically evaluate a variety of spatial data analysis techniques with reference to a number of geographical examples
- Negotiate the steps involved in a GIS analysis of real data

Teaching and Learning Methods

Lectures, Computer Practical Classes, Essay, Project

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

GY2421

Guided Independent Study: Indicative Activities

Reading; Computer analyses; Mapping

GY3425 Critical Digital Geographies

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	9
Synchronous Small Group Teaching	8
Synchronous Practical Classes/ Workshops/Professional Placements	5
Synchronous Other	2
Asynchronous Lectures/Presentations	
Asynchronous Other	16
Guided Independent Study	110
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Claire Jarvis
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Presentation	50				
002	Coursework (Final)	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:- Critically review emergent spatially-enabled/enabling digital technologies- Robustly communicate and debate contemporary critical debates in the within the 'digital turn' such as the dark web, 'smart' cities and the Internet of things, augmented reality and privacy- Reflect on the map as a communication medium over history, digital or otherwise. looking through both cartesian and non-cartesian lenses

Teaching and Learning Methods

Teaching will be in the form of lectures (1 hours per week) and seminars (7 weeks, 2 hours each). The seminars will be comprised of individual student presentations: analytical case studies of various aspects of the 'digital turn'

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Guided reading

GY3428 Critical Geographies of North American Cultural Landscapes

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	13
Synchronous Small Group Teaching	0
Synchronous Practical Classes/ Workshops/Professional Placements	2
Synchronous Other	
Asynchronous Lectures/Presentations	16
Asynchronous Other	
Guided Independent Study	119
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Loretta Lees
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Coursework 1	30				
002	Coursework 2	70				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- to critically deconstruct North American cultural landscapes
- to study cultural theory and ideas in detail
- to provide students with the analytical skills/methodologies to decipher different cultural texts
- to promote cultural self awareness by exploring a culture that is both familiar and yet unfamiliar to most of us

Teaching and Learning Methods

Lectures, tutorials, seminars, films

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for seminars; preparation and reading for assignments; key readings for lectures and note taking; critical engagement with film.

GY3433 Understanding Ecosystems and Environments of the Distant Past

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	10
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	10
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	130
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Juan Berrio
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Report	50				
002	Coursework 2	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- A wide understanding of Quaternary environmental change
- Critically evaluate the roles of internal and external drivers of climate change
- Evaluate paleo-environmental proxy data sources employed in the Quaternary
- An understanding of the general principles of climate change and climate variability (e.g. teleconnections)
- Appreciate and understand the importance of long-continental records to perform land-sea correlations.
- Gain practical skills in working with microfossil datasets, plotting and interpretation.
- Understand the impacts of climate change on the development of pre-Columbian civilisations.

Teaching and Learning Methods

Lectures; Directed reading; Laboratory Classes; Computer practical Classes; Independent Study

Assessment Methods
Pre-Requisites

GY2436

Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Directed Reading

GY3434 Stable Isotopes in the Environment

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	14
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	1
Synchronous Other	4
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	131
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Arnoud Boom
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Report	50				
002	Exam (Final)	50		2		

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Explain the theory of stable isotope fractionation using appropriate terminology and scientific principles
- Collect, prepare and analyse samples for stable isotope analyses
- Analyse and discuss stable isotopic datasets
- Write scientific journal article
- Understand isotope fractionation in environmental processes

Teaching and Learning Methods

Lectures
 Seminars
 Laboratory practicals/ demonstration

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for lectures, reviewing/making deeper lecture notes having followed up reading, background laboratory work, supporting reading for course work.

GY3435 Water Quality Processes and Management

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	9
Synchronous Other	22
Asynchronous Lectures/Presentations	12
Asynchronous Other	11
Guided Independent Study	96
Total Module Hours	150

Period: Semester 1
Occurrence: E
Coordinator: Mick Whelan
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Computer Modelling Assignment	50				
002	Coursework 2 (Final)	50				

Intended Learning Outcomes

- On successful completion of the module, students should be able to:- Demonstrate an understanding of the processes controlling surface and groundwater quality – particularly when these systems receive point- and diffuse-source pollution.
- Demonstrate an awareness of water quality standards for different water uses (e.g. drinking water, ecological quality) and of the legal frameworks within which such standards are applied.
 - Apply and correctly interpret simple water quality models for assessing pollutant concentrations in surface waters receiving waste water from point sources
 - Identify appropriate management strategies which can be applied to different pollutant types and demonstrate an understanding of why different approaches are required for different pollutants

Teaching and Learning Methods

The bulk of teaching will be through the medium of lectures. Additionally, there may be a one 1-day field excursion (waste water treatment plant and sustainable urban drainage), one ½ day (4 hour) sampling trip and one ½ day (3 hour) laboratory practical class for analysis of samples in the laboratory (3 hours).

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading selected from distributed list and supplemented with additional material. Course work will require some independent investigative work using maps and web-based literature, as well as accessing the primary literature. Students will also need to spend time revising for the examination.

GY3437 The Biosphere in the Earth System

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	18
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	12
Synchronous Other	10
Asynchronous Lectures/Presentations	16
Asynchronous Other	15
Guided Independent Study	79
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Jorg Kaduk
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Written Practical Report	75				
002	Essay (Final)	25		1		

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Relate certain types of biosphere-atmosphere interactions to particular biomes
- Evaluate the role of different drivers of biospheric processes
- Explain a range of feedbacks between the biosphere and other components of the Earth system
- Evaluate the role of atmosphere-biosphere interactions in the climate system
- Explain the role of carbon dioxide and photosynthesis in biosphere-atmosphere interactions

Teaching and Learning Methods

Lectures, Seminars, Laboratory and computer Practical Classes, Surgeries, Directed Reading, Field Visits, Independent Research; Independent Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Directed reading, project supervision, problems

GY3438 River Dynamics

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	12
Synchronous Small Group Teaching	3
Synchronous Practical Classes/ Workshops/Professional Placements	6
Synchronous Other	6
Asynchronous Lectures/Presentations	
Asynchronous Other	6
Guided Independent Study	117
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Mark Powell
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Extended Glossary	20				
002	Paleohydraulics Exercise	30				
003	Form and Process in Alluvial Rivers	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- explain the dynamics of fluvial processes operating in alluvial rivers and their morphological and sedimentological consequences;
- define flow resistance and its various sources and apply simple flow resistance models to estimate hydraulic parameters;
- critically evaluate models of bedload sediment transport; describe factors controlling the processes and rates of bank erosion;
- explain some how feedbacks between the form of the channel, the bed of the channel and the flow within the channel govern channel evolution and change

Teaching and Learning Methods

Lectures, Workshops, Independent study, Tutorials, Guided Study

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Guided reading, numerical analyses

GY3439 Understanding the Tropical Forests of SE Asia

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Synchronous Lectures	1
Synchronous Small Group Teaching	
Synchronous Practical Classes/ Workshops/Professional Placements	14
Synchronous Other	4
Asynchronous Lectures/Presentations	19
Asynchronous Other	5
Guided Independent Study	107
Total Module Hours	150

Period: Semester 2
Occurrence: E
Coordinator: Kevin Tansey
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Group project report	50				
002	Data Analysis and Write Up	50				

Intended Learning Outcomes

On successful completion of the module, students should be able to:

- Understand the role that tropical forests in SE Asia play in the physical environment (such as the carbon cycle) and in the human social environment (development and livelihood)
- Gain experience using some of the tools that are available to observe, measure and understand processes that exist in the tropical forests of SE Asia
- Understand the influence of geographical research on policy and development issues in the region

Teaching and Learning Methods

Lectures, seminars, tutorials, computer based practicals

Assessment Methods
Pre-Requisites
Co-Requisites
Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading, Literature review, satellite image processing