

GY1411 Human Geography for a Globalizing World

Academic Year: 2019/0
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 29 |
| Seminars | |
| Practical Classes & Workshops | |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 121 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Short Answer Test | 25 | | 0.6 | | |
| 002 | Written Exam (Final) | 75 | | 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, network, and territoriality;

- 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

Lectures, Directed Reading; Independent Study

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 reading for assessments;

revision for short answer test and written exam

GY1412 Environment / Nature / Society

Academic Year: 2019/0
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | |
| Practical Classes & Workshops | 2 |
| Tutorials | 2 |
| Fieldwork | 6 |
| Project Supervision | |
| Guided Independent Study | 120 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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

-

Guided Independent Study: Indicative Activities

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

GY1421 Working with Geographic Information

| | | |
|-----------------------|-----------|------------------------------------|
| Academic Year: | 2019/0 | Student Workload (hours) |
| Module Level: | Year 1 | Lectures 10 |
| Scheme: | UG | Seminars |
| Department: | Geography | Practical Classes & Workshops 20 |
| Credits: | 15 | Tutorials |
| | | Fieldwork |
| | | Project Supervision |
| | | Guided Independent Study 120 |
| | | Demonstration |
| | | Supervised time in studio/workshop |
| | | Work Based Learning |
| | | Placement |
| | | Year Abroad |
| | | 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 | Test1 | 40 | | 0.7 | | |
| 002 | Test 2 | 40 | | 0.7 | | |
| 003 | Short Assignment (Final) | 20 | | | | |

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

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

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: 2019/0
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 12 |
| Seminars | |
| Practical Classes & Workshops | 1 |
| Tutorials | 8 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 129 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | 40 | | | | |
| 002 | Essay 2 | 60 | | | | |
| 003 | 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

-

Guided Independent Study: Indicative Activities

Reading; working on referencing; developing Powerpoint presentation skills

GY1423 Exploring our Digital Planet

Academic Year: 2019/0
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 7 |
| Seminars | |
| Practical Classes & Workshops | 18 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 125 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Coursework | 40 | | 1 | | |
| 002 | Computer Based Test | 60 | | 1 | | |

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

-

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: | 2019/0 | Student Workload (hours) | |
| Module Level: | Year 1 | Lectures | 18 |
| Scheme: | UG | Seminars | |
| Department: | Geography | Practical Classes & Workshops | |
| Credits: | 15 | Tutorials | 3 |
| | | Fieldwork | |
| | | Project Supervision | |
| | | Guided Independent Study | 120 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | 9 |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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 | Term Time Test 1 | 15 | | | | |
| 002 | Term Time Test 2 | 15 | | | | |
| 003 | Coursework | 70 | | | | |

Intended Learning Outcomes

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

- Explain the major controls on planetary temperatures and the implications for planetary habitability.
- Understand the nature and divisions of geological time, and how geological time is measured
- Outline the major classes and divisions of life on earth
- Explain the operation of the 3 major biogeochemical cycles – the carbon, nitrogen and phosphorous cycles
- Carry out basic numerical operations and explain/define basic scientific terms and (SI) units

Teaching and Learning Methods

Learning objectives 1 to 4 are taught via a series of 18 lectures, supported by weekly clinics for students to review materials from the lectures and their own supplementary readings with a tutor. 3 tutorials spaced through the course will discuss key concepts from the lectures using assigned readings as a means to begin the discussion. Numeracy and scientific terminology refresher material, designed to support ongoing learning through the first year and BSc degree will be taught through self-help and self-assessment materials provided on the VLE, supported by the weekly clinic, which will allow students to work through concepts/problems with a tutor.

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

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 Landscape-Ecosystem Dynamics

Academic Year: 2019/0
Module Level: Year 1
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 17 |
| Seminars | |
| Practical Classes & Workshops | |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 125 |
| Demonstration | |
| Supervised time in studio/workshop | 8 |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Departmental Term Time Multiple Choice Test | 30 | | 0.33 | | |
| 002 | Coursework (Final) | 70 | | | | |

Intended Learning Outcomes

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

- Discuss the basic principles of weathering, soil formation, landscape denudation and chemical and nutrient cycles and their natural and anthropogenic controls;
- Apply these principles to account for the global distribution of soils, landforms, denudation rates, ecosystems and biomes;
- Explain the basic physical processes involved in climate and how they interact to produce the global circulation and global climates

Teaching and Learning Methods

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

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

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: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

| Student Workload (hours) | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | 10 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 118 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| Total Module Hours | 150 |

Period: Semester 1
Occurrence: E
Coordinator: Matthew Tillotson
Mark Scheme: UG Module Mark Scheme

| No. | Assessment Description | Weight % | Qual Mark | Exam Hours | Ass't Group | Alt Reass't |
|-----|-------------------------|----------|-----------|------------|-------------|-------------|
| 001 | Seen Exam | 75 | | 2 | | |
| 002 | Coursework: Reading log | 25 | | | | |

Intended Learning Outcomes

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

- Explain key theoretical perspectives in Human Geography including their historical origins and contemporary relevance
- Assess the relevance of particular theoretical perspectives to the development of contemporary Human Geography
- Critically analyse the history and philosophy of the discipline as it relates to its contemporary practice (e.g. how have theoretical perspectives developed historically and how are these perspectives deployed, interrogated, dismissed and revived in contemporary human geography).

Teaching and Learning Methods

Lectures, seminars, tutorials and guided independent study

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

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: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

| Student Workload (hours) | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | 10 |
| Practical Classes & Workshops | |
| Tutorials | 1 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 119 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Essay | 50 | | | | |
| 002 | Coursework (Final) | 50 | | | | |

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

Lectures; Tutorials; Seminars; Films; Independent Study

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for seminars; preparation for coursework assignment and exam; key readings for lectures and notes

GY2412 Economy, Society and Space

| | | | |
|-----------------------|-----------|------------------------------------|------------|
| Academic Year: | 2019/0 | Student Workload (hours) | |
| Module Level: | Year 2 | Lectures | 18 |
| Scheme: | UG | Seminars | |
| Department: | Geography | Practical Classes & Workshops | 10 |
| Credits: | 15 | Tutorials | 2 |
| | | Fieldwork | |
| | | Project Supervision | |
| | | Guided Independent Study | 120 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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; Surgeries; 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

-

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: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

| Student Workload (hours) | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | 8 |
| Practical Classes & Workshops | |
| Tutorials | |
| Fieldwork | 4 |
| Project Supervision | |
| Guided Independent Study | 118 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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

-

Guided Independent Study: Indicative Activities

Self-led field trips covering issues in the course.

GY2416 Political Geography: Space, Territory and Power

Academic Year: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

| Student Workload (hours) | |
|------------------------------------|------------|
| Lectures | 22 |
| Seminars | 11 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 115 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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

Lectures; seminars and workshops, surgeries; directed reading; virtual learning environment.

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

reading for lectures and seminars; reviewing/making deeper lecture notes having followed up reading, background reading for assessments; revision for examination

GY2421 Geographical Information Science

Academic Year: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

| Student Workload (hours) | |
|------------------------------------|------------|
| Lectures | 10 |
| Seminars | |
| Practical Classes & Workshops | 20 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 120 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 |
|-----|------------------------|----------|-----------|------------|-------------|-------------|
| 002 | Coursework 1 | 50 | | | | |
| 003 | Coursework 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, Exam, Guided Independent Study

Assessment Methods

25% Practical 1
 25% Practical 2
 50% Exam

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading; Computer analyses; Mapping

GY2424 Remote Sensing for Geographers

| | | | |
|-----------------------|-----------|------------------------------------|------------|
| Academic Year: | 2019/0 | Student Workload (hours) | |
| Module Level: | Year 2 | Lectures | 20 |
| Scheme: | UG | Seminars | |
| Department: | Geography | Practical Classes & Workshops | 20 |
| Credits: | 15 | Tutorials | |
| | | Fieldwork | |
| | | Project Supervision | |
| | | Guided Independent Study | 110 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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 | | | | |
| 002 | 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

-

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 Geographical Data Analysis

Academic Year: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 11 |
| Seminars | |
| Practical Classes & Workshops | 20 |
| Tutorials | 7 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 112 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 Coursework
- write up quantitative analyses and interpretations of geographical data in a stylistically appropriate and concise manner

Teaching and Learning Methods

Lectures, Worksheets, Practical Classes

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Worksheets

GY2433 Catchment Systems

Academic Year: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 16 |
| Seminars | |
| Practical Classes & Workshops | 6 |
| Tutorials | |
| Fieldwork | 32 |
| Project Supervision | |
| Guided Independent Study | 96 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Practical exercise | 25 | | | | |
| 002 | 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 to the Lake District (Introduction to a River Catchment; Discussions and field experiments in catchment hydrology, water quality and ecology), Independent study

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Worksheets, Directed reading

GY2434 The Dynamic Biosphere

Academic Year: 2019/0
Module Level: Year 2
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

Lectures
 Seminars
 Practical Classes & Workshops
 Tutorials
 Fieldwork
 Project Supervision
 Guided Independent Study
 Demonstration
 Supervised time in studio/workshop
 Work Based Learning
 Placement
 Year Abroad
 Total Module Hours

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 concepts and the role of the biosphere in the earth system (land surface-atmosphere interactions).
- Describe how energy and nutrients flow through ecosystems.
- Demonstrate knowledge of how abiotic and biotic factors impact on ecosystems, populations and species and evaluation of ecosystem diversity and functioning at a range of spatial scales.
- Show an appreciation of the key drivers of global environmental change, including natural and anthropogenic drivers; 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; Oral presentations; Computer Practical Classes; Field Courses; Independent Study

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

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.

GY3411 Contemporary Environmental Challenges

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | 4 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | 6 |
| Project Supervision | |
| Guided Independent Study | 118 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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:

- Evaluate the multi- scalar challenges posed by transition to a more sustainable society
- Analyse diverse aspects, meanings and practices of 'transition'
- Evaluate contested approaches to commons, land & property
- Analyses and critique the concept of 'neoliberal natures' and contemporary valuation practices
- Assess the role of diverse/indigenous knowledges in addressing environmental challenges

Teaching and Learning Methods

Lectures, tutorials, seminars, fieldwork, 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; preparation for field visit

GY3413 Geographies of the Market Place

| | | | |
|-----------------------|-----------|------------------------------------|------------|
| Academic Year: | 2019/0 | Student Workload (hours) | |
| Module Level: | Year 3 | Lectures | 18 |
| Scheme: | UG | Seminars | |
| Department: | Geography | Practical Classes & Workshops | 6 |
| Credits: | 15 | Tutorials | 2 |
| | | Fieldwork | 6 |
| | | Project Supervision | |
| | | Guided Independent Study | 118 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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 interdependences through which markets become economic as well as geographical entities
- Develop effective field research skills about cities, markets and economics, and effective communication skills for their presentation

Teaching and Learning Methods

Lectures; Tutorials; Fieldwork; 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: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 22 |
| Seminars | 11 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 115 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Essay | 40 | | | | |
| 002 | Individual Project | 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

Lectures; seminars and workshops, surgeries; directed reading; virtual learning environment.

Assessment Methods

-

Pre-Requisites

GY2416

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

reading for lectures and seminars; reviewing/making deeper lecture notes having followed up reading, background reading for assessments; secondary research for individual project

GY3416 Postcolonial perspectives in/of Africa

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 17 |
| Seminars | 6 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 125 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| Total Module Hours | 150 |

Period: Semester 2
Occurrence: E
Coordinator: Clare Madge
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:

- traverse between totalising narratives of the African continent (Africa as the Dark continent/Africa rising) to develop a more nuanced understanding of the complexity and diversity of African nations and peoples, as well as the interconnections and stasis between Africa and other parts of the world;
- use postcolonial perspectives to critically evaluate popular images, knowledges, languages and discourses about Africa in order to appreciate the (racialized) power of representations to create a more nuanced and historically-informed understanding of the continent;
- use detailed case study examples to apply a postcolonial approach to a range of important development issues using a variety of contemporary examples;
- bring together a productive engagement between postcolonial criticisms of how we speak/ write about Africa, with an understanding the material realities of the lives and identities of African people;
- gain an understanding of some of some key thinkers in the field, including geographers' contribution to postcolonial thinking.

Teaching and Learning Methods

Lectures; Tutorials; Seminars; Directed Reading; Independent Research; Independent Study

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading for seminars, reading in support of lecture material, reviewing/making deeper lecture notes having followed up reading, background reading for assignments, searching news sources for up-to-date information on contemporary issues of African development.

GY3417 Critical, symbolic and emotional rural geographies

| | |
|--|--|
| Academic Year: 2019/0 Module Level: Year 3 Scheme: UG Department: Geography Credits: 15 | Student Workload (hours) Lectures 18 Seminars 7 Practical Classes & Workshops Tutorials Fieldwork 8 Project Supervision Guided Independent Study 117 Demonstration Supervised time in studio/workshop Work Based Learning Placement Year Abroad 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 | Fieldwork Report | 50 | | | | |
| 002 | Coursework Essay (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 field observations and secondary data on a contemporary aspect 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 secondary data sources and reports; reflection on personal experiences of countryside and fieldcourse observations & experiences.

GY3421 Information Visualisation

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 10 |
| Seminars | |
| Practical Classes & Workshops | 20 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 120 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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

-

GY3421 Information Visualisation

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: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 10 |
| Seminars | |
| Practical Classes & Workshops | 16 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | 16 |
| Guided Independent Study | 108 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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

GY3424 Remote Sensing for Geographers

| | | | |
|-----------------------|-----------|------------------------------------|------------|
| Academic Year: | 2019/0 | Student Workload (hours) | |
| Module Level: | Year 3 | Lectures | 20 |
| Scheme: | UG | Seminars | 15 |
| Department: | Geography | Practical Classes & Workshops | 20 |
| Credits: | 15 | Tutorials | 3 |
| | | Fieldwork | |
| | | Project Supervision | |
| | | Guided Independent Study | 92 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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 | 30 | | | | |
| 002 | Report | 70 | | | | |

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 and explain key concepts and terminology used in remote sensing such as electromagnetic radiation, surface reflectance and spectral reflectance curves;
- describe the characteristics of current satellite sensors and 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

-

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

GY3425 Critical Digital Geographies

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 10 |
| Seminars | 14 |
| Practical Classes & Workshops | 2 |
| Tutorials | 2 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 122 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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
- Detail the progress and achievements of critical cartographies and critical GIS over the past twenty years

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 American Cultural Landscapes

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 20 |
| Seminars | 6 |
| Practical Classes & Workshops | |
| Tutorials | 2 |
| Fieldwork | 0 |
| Project Supervision | |
| Guided Independent Study | 122 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | 50 | | | | |
| 002 | Exam | 50 | | | | |

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.

GY3432 Climate Change: Impacts, Vulnerability and Adaptation

| | | | |
|-----------------------|-----------|------------------------------------|---------------------------------|
| Academic Year: | 2019/0 | | Student Workload (hours) |
| Module Level: | Year 3 | | Lectures 12 |
| Scheme: | UG | | Seminars 3 |
| Department: | Geography | Practical Classes & Workshops | 0 |
| Credits: | 15 | | Tutorials 5 |
| | | Fieldwork | |
| | | Project Supervision | |
| | | Guided Independent Study | 130 |
| | | Demonstration | |
| | | Supervised time in studio/workshop | |
| | | Work Based Learning | |
| | | Placement | |
| | | Year Abroad | |
| | | 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

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

- Explain the greenhouse effect and the role of humans in the climate system
 - Explain the role of the IPCC 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 processes 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, computer simulation exercise, guest lectures

Assessment Methods

-

Pre-Requisites

-

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Reading, assessing different approaches to science writing, understanding what is required of a policy report, assessing government and policy papers, assessing IPCC outputs.

GY3437 The Biosphere in the Earth System

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 18 |
| Seminars | 2 |
| Practical Classes & Workshops | 8 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | 4 |
| Guided Independent Study | 110 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| Total Module Hours | 142 |

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: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 18 |
| Seminars | |
| Practical Classes & Workshops | 12 |
| Tutorials | |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 120 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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 | Coursework Portfolio | 100 | | | | |

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

Assessment Methods

-

Pre-Requisites

GY2433 Catchment Systems

Co-Requisites

-

Excluded Combinations

-

Guided Independent Study: Indicative Activities

Guided reading, numerical analyses

GY3439 Understanding the tropical forests of SE Asia

Academic Year: 2019/0
Module Level: Year 3
Scheme: UG
Department: Geography
Credits: 15

Student Workload (hours)

| | |
|------------------------------------|------------|
| Lectures | 9 |
| Seminars | 6 |
| Practical Classes & Workshops | 6 |
| Tutorials | 16 |
| Fieldwork | |
| Project Supervision | |
| Guided Independent Study | 113 |
| Demonstration | |
| Supervised time in studio/workshop | |
| Work Based Learning | |
| Placement | |
| Year Abroad | |
| 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