



**Swansea University**  
**Prifysgol Abertawe**

**FACULTY OF SCIENCE AND  
ENGINEERING**

**UNDERGRADUATE STUDENT  
HANDBOOK**

**YEAR 2 (FHEQ LEVEL 5)**

**BSC GEOGRAPHY**  
**UNDERGRADUATE PROGRAMMES**

**SUBJECT SPECIFIC**  
**PART TWO OF TWO**  
**MODULE AND COURSE STRUCTURE**  
**2023-24**

## **DISCLAIMER**

The Faculty of Science and Engineering has made all reasonable efforts to ensure that the information contained within this publication is accurate and up-to-date when published but can accept no responsibility for any errors or omissions.

The Faculty of Science and Engineering reserves the right to revise, alter or discontinue degree programmes or modules and to amend regulations and procedures at any time, but every effort will be made to notify interested parties.

It should be noted that not every module listed in this handbook may be available every year, and changes may be made to the details of the modules. You are advised to contact the Faculty of Science and Engineering directly if you require further information.

## The 23-24 academic year begins on 25 September 2023

Full term dates can be found [here](#)

### **DATES OF 23-24 TERMS**

25 September 2023 – 15 December 2023

8 January 2024 – 22 March 2024

15 April 2024 – 07 June 2024

### **SEMESTER 1**

25 September 2023 – 29 January 2024

### **SEMESTER 2**

29 January 2024 – 07 June 2024

### **SUMMER**

10 June 2024 – 20 September 2024

## **IMPORTANT**

Swansea University and the Faculty of Science of Engineering takes any form of **academic misconduct** very seriously. In order to maintain academic integrity and ensure that the quality of an Award from Swansea University is not diminished, it is important to ensure that all students are judged on their ability. No student should have an unfair advantage over another as a result of academic misconduct - whether this is in the form of **Plagiarism, Collusion** or **Commissioning**.

It is important that you are aware of the **guidelines** governing Academic Misconduct within the University/Faculty of Science and Engineering and the possible implications. The Faculty of Science and Engineering will not take intent into consideration and in relation to an allegation of academic misconduct - there can be no defence that the offence was committed unintentionally or accidentally.

Please ensure that you read the University webpages covering the topic – procedural guidance [here](#) and further information [here](#). You should also read the Faculty Part One handbook fully, in particular the pages that concern Academic Misconduct/Academic Integrity.

## **Welcome to the Faculty of Science and Engineering!**

Whether you are a new or a returning student, we could not be happier to be on this journey with you.

At Swansea University and in the Faculty of Science and Engineering, we believe in working in partnership with students. We work hard to break down barriers and value the contribution of everyone.

Our goal is an inclusive community where everyone is respected, and everyone's contributions are valued. Always feel free to talk to academic, technical and administrative staff, administrators - I'm sure you will find many friendly helping hands ready to assist you. And make the most of living and working alongside your fellow students.

During your time with us, please learn, create, collaborate, and most of all – enjoy yourself!

**Professor David Smith**  
**Pro-Vice-Chancellor and Executive Dean**  
**Faculty of Science and Engineering**



<b>Faculty of Science and Engineering</b>	
Pro-Vice-Chancellor and Executive Dean	Professor David Smith
Head of Operations	Mrs Ruth Bunting
Associate Dean – Student Learning and Experience (SLE)	Dr Laura Roberts
<b>School of Biosciences, Geography and Physics</b>	
Head of School	TBC
School Education Lead	Dr Wendy Harris and Dr Sarah Roberts
Head of Geography	Dr Kevin Rees
Geography Programme Director	Dr Joanne Maddern
Year Coordinators	Year 0 – Dr Kath Ficken Year 1 – Dr Kath Ficken Year 2 – Dr Nick Felstead Year 3 – Dr Keith Halfacree PGT – Dr Iain Robertson

## STUDENT SUPPORT

The Faculty of Science and Engineering has two **Reception** areas - Engineering Central (Bay Campus) and Wallace 223c (Singleton Park Campus).

Standard Reception opening hours are Monday-Friday 8.30am-4pm.

The **Student Support Team** provides dedicated and professional support to all students in the Faculty of Science and Engineering. Should you require assistance, have any questions, be unsure what to do or are experiencing difficulties with your studies or in your personal life, our team can offer direct help and advice, plus signpost you to further sources of support within the University. There are lots of ways to get information and contact the team:

**Email:** [studentsupport-scienceengineering@swansea.ac.uk](mailto:studentsupport-scienceengineering@swansea.ac.uk) (Monday–Friday, 9am–5pm)

**Call:** +44 (0) 1792 295514 (Monday-Friday, 10am–12pm, 2–4pm).

**Zoom:** By appointment. Students can email, and if appropriate we will share a link to our Zoom calendar for students to select a date/time to meet.

The current student **webpages** also contain useful information and links to other resources:

<https://myuni.swansea.ac.uk/fse/>

## READING LISTS

Reading lists for each module are available on the course Canvas page and are also accessible via <http://ifindreading.swan.ac.uk/>. We've removed reading lists from the 23-24 handbooks to ensure that you have access to the most up-to-date versions.

We do not expect you to purchase textbooks, unless it is a specified key text for the course.

## THE DIFFERENCE BETWEEN COMPULSORY AND CORE MODULES

**Compulsory modules** must be **pursued** by a student.

**Core modules** must not only be **pursued**, but also **passed** before a student can proceed to the next level of study or qualify for an award. Failures in core modules must be redeemed.

Further information can be found under “Modular Terminology” on the following link -

<https://myuni.swansea.ac.uk/academic-life/academic-regulations/taught-guidance/essential->

[info-taught-students/your-programme-explained/](#)

## Year 2 (FHEQ Level 5) 2023/24

### Geography (BSc)

BSc Geography[F800, FL87]

BSc Geography with a Year Abroad[F8R9]

Total 120 Credits

#### Compulsory modules

<b>GEC276</b>	Systemau Gwybodaeth Ddaearyddol	Dr RH Meara	TB1	20
<b>GEG276</b>	Introduction to Geographic Information Systems	Prof AJ Luckman	TB1	20

#### And

Choose exactly 20 credits

<b>GEC277</b>	Dulliau ac Ymagweddau Daearyddol	Dr RH Meara/Dr A Closs Stephens	TB1	20
<b>GEG277</b>	Geographical Methods and Approaches	Dr KJ Ficken/Prof SH Doerr/Dr KH Halfacree/..	TB1	20

#### And

Choose exactly 20 credits

<b>GEC278</b>	Sgiliau Dadansoddi Data a Pharatoi Traethawd Hir	Dr A Closs Stephens/Dr RH Meara	TB2	20
<b>GEG278</b>	Data Analysis and Dissertation Preparation Skills	Dr NJ Felstead/Dr A Closs Stephens/Dr KJ Ficken/..	TB2	20

#### And

Choose exactly 20 credits

This module has been pre-allocated to your module selections after our application process in April. Therefore any selection made here will be overwritten by the Geography Department

<b>GEG252</b>	Geographical Fieldwork skills	Dr NJ Felstead	TB1+2	20
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#### And

Choose exactly 40 credits

GEL204 - there is a prerequisite of taking GEL121 in Year 1 and there is a cap of 40 students.

Priority is given to Environmental Geoscience students, then Physical Geography, before being open to other schemes.

<b>GEG211</b>	Glacial Environments	Dr J Hiemstra	TB1	10
<b>GEG220</b>	Tourism, Heritage and Leisure	Dr JF Maddern	TB2	10
<b>GEG229</b>	Marginal Cultural Geographies	Dr KH Halfacree	TB2	10
<b>GEG230</b>	Social Geographies	Prof SV Shubin	TB1	10
<b>GEG236</b>	Earth from Space: Monitoring Global Environmental Change	Prof PRJ North	TB2	10
<b>GEG251</b>	Political Geographies	Dr A Closs Stephens	TB1	10
<b>GEG273</b>	Geographies of Climate Action and Activism	Dr AL Pigott	TB1	10
<b>GEG283</b>	Sustainable Land Management	Dr E Urbanek/Prof SH Doerr	TB1	10
<b>GEL203</b>	Earth history	Dr NJ Felstead	TB1	10
<b>GEL204</b>	Geological Record of Past Environments	Dr KJ Preece/Dr KJ Ficken	TB2	10



**Year 2 (FHEQ Level 5) 2023/24**  
**Geography (BSc)**  
 BSc Geography with a Year in Industry[F273]

**Compulsory Modules**

Semester 1 Modules	Semester 2 Modules
<b>GE-200</b> <b>Professional Development and Career Planning</b> <b>0 Credits</b> <b>Miss VV Wislocka/Miss VV Wislocka</b>	
<b>Total 120 Credits</b>	

**Optional Modules**

Choose exactly 20 credits

Cannot select GEC276 with GEG276, GEC277 with GEG277 and GEC278 with GEG278 as they are the Welsh and English equivalent of the same module.

<b>GEC276</b>	Systemau Gwybodaeth Ddaearyddol	Dr RH Meara	TB1	20
<b>GEG276</b>	Introduction to Geographic Information Systems	Prof AJ Luckman	TB1	20

**And**

Choose exactly 20 credits

<b>GEC277</b>	Dulliau ac Ymagweddau Daearyddol	Dr RH Meara/Dr A Closs Stephens	TB1	20
<b>GEG277</b>	Geographical Methods and Approaches	Dr KJ Ficken/Prof SH Doerr/Dr KH Halfacree/..	TB1	20

**And**

Choose exactly 20 credits

<b>GEC278</b>	Sgiliau Dadansoddi Data a Pharatoi Traethawd Hir	Dr A Closs Stephens/Dr RH Meara	TB2	20
<b>GEG278</b>	Data Analysis and Dissertation Preparation Skills	Dr NJ Felstead/Dr A Closs Stephens/Dr KJ Ficken/..	TB2	20

**And**

Choose exactly 20 credits

This module has been pre-allocated to your module selections after our application process in April. Therefore any selection made here will be overwritten by the Geography Department

<b>GEG252</b>	Geographical Fieldwork skills	Dr NJ Felstead	TB1+2	20
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**And**

Choose exactly 40 credits

GEC269 is taught through the medium of welsh

<b>GEG211</b>	Glacial Environments	Dr J Hiemstra	TB1	10
<b>GEG220</b>	Tourism, Heritage and Leisure	Dr JF Maddern	TB2	10
<b>GEG229</b>	Marginal Cultural Geographies	Dr KH Halfacree	TB2	10
<b>GEG230</b>	Social Geographies	Prof SV Shubin	TB1	10
<b>GEG236</b>	Earth from Space: Monitoring Global Environmental Change	Prof PRJ North	TB2	10
<b>GEG251</b>	Political Geographies	Dr A Closs Stephens	TB1	10
<b>GEG273</b>	Geographies of Climate Action and Activism	Dr AL Pigott	TB1	10
<b>GEG283</b>	Sustainable Land Management	Dr E Urbanek/Prof SH Doerr	TB1	10
<b>GEL203</b>	Earth history	Dr NJ Felstead	TB1	10
<b>GEL204</b>	Geological Record of Past Environments	Dr KJ Preece/Dr KJ Ficken	TB2	10

## GE-200 Professional Development and Career Planning

**Credits: 0 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Miss VV Wislocka, Miss VV Wislocka

**Format:** 6 hours consisting of a mix of podcasts, recorded lectures and Zoom sessions and optional 1-2-1 meetings and weekly drop-in sessions. Prior to the change it was 6 hours of face to face delivery via PC labs, and a 1-2-1 meeting where applicable / requested.

**Delivery Method:** These modules are delivered through online resources, scheduled Zoom sessions and 1-2-1 meetings. There is self-directed learning required using online resources provided.

**Module Aims:** This module is a mandatory module for all students who have enrolled (or transferred) onto the Science Industrial Placement Year but is also available to all other Geography students. The module focuses on the underpinning and fundamental requisites required to gain, enter and progress through a successful career. Learners will be introduced to (a) sourcing placements, CV writing, and application techniques; (b) Interview techniques, how to pitch yourself and be successful; (c) workplace fundamentals and IP awareness, behaviors and expectations; and, (d) Key employability skills; getting the most from your job or placement.

**Module Content:** The module will focus on the key requirements to gain and be successful whilst on a placement. Directed and self-directed activity will address the following topics:

- 1) Science Industrial Placements - What they are, how to search and how to apply.
- 2) CV writing, cover letters and application processes.
- 3) Assessment centres, interview techniques and a mock interview.
- 4) Recognizing and developing employability skills.
- 5) reflecting and maximising your placement experience.
- 6) one to one meeting with careers and employability officers.

**Intended Learning Outcomes:** By the end of this module, students will be able to:

- 1) Be aware of and possess the essential skills needed to secure placement opportunities; alongside having the skills to apply for relevant jobs and placements.
- 2) Have a general understanding of an interview process and what tools and attributes make a good interview.
- 3) Discuss and share what is expected within the workplace including behavioral and professional conduct.
- 4) Identify personal employability skills and how these will be used in a workplace setting.
- 5) Understand the need to reflect and maximise the placement experience in future career decisions.

**Assessment:** Assignment 1 (100%)

**Assessment Description:** Students are required to attend all taught sessions and the one to one meeting (if required). This module has no credit attached. However to ensure engagement with the content a compulsory quiz will be added in session 5. Students who do not attend and have no valid reason will not be permitted to continue on a Science Industrial Placement Year programme of study.

**Moderation approach to main assessment:** Not applicable

**Assessment Feedback:** N/A

However feedback on progress and the progression through the module will be provided in the one to one mandatory meeting and MCQ quiz.

**Failure Redemption:** Successful completion of this module depends upon satisfactory attendance at, and engagement with, all sessions. Therefore there will normally be no opportunity to redeem failure. However, special provision will be made for students with extenuating or special circumstances.

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

The module will focus on the key requirements to gain and be successful whilst on a placement or in work. Directed and self-directed activity will address the following topics:

- 1) Science Industrial Placements - What they are, how to search and how to apply.
- 2) CV writing, cover letters and application processes.
- 3) Assessment centres, interview techniques and a mock interview.
- 4) Recognizing and developing employability skills.
- 5) reflecting and maximising your placement experience.
- 6) one to one meeting with careers and employability officers.

# GEC276 Systemau Gwybodaeth Ddaearyddol

**Credits: 20 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr RH Meara

**Format:** 11 hours lectures  
22 hours computer lab exercises

**Delivery Method:** Lecture and computer practical

**Module Aims:** A Geographic Information System (GIS) is a computer-based technology for solving problems of a geographical nature – i.e. involving spatial relationships between people, places and objects. It can be applied to a wide range of disciplines within geography and has developed to provide a means to quickly and professionally produce maps from geospatial data. This module provides a basic grounding in GIS from the nature of spatial information, through the use of GIS in social and physical geography contexts, to the application of computers to solving complex geographical problems. Most importantly, it allows hands-on experience in using Quantum GIS (QGIS), the leading open-source GIS software package, and therefore provides a valuable skill for research and the for workplace.

**Module Content:** 1. Module introduction  
2. A digital model of the real world  
3. Comparing raster and vectors data models  
4. Coordinates and geographic reference systems  
5. Geographic presentation and map design  
6. GIS data sources and formats  
7. Digital land surface topography  
8. The Global Positioning System (GPS)  
9. Route-finding in a network  
10. The future of GIS

**Intended Learning Outcomes:** • A broad understanding of the purpose and scope of Geographical Information Systems

- An appreciation of the way in which geographical entities can be represented in a computer
- A critical awareness of the increasing role of GIS in government, commerce and science
- The ability to use QGIS software to explore and analyse a range of geospatial data
- The ability to present geospatial data as a well constructed and complete map
- A basic understanding of GIS-related technologies such as route-finding and GPS
- An appreciation of the future direction of GIS in geography and beyond

All marking will be carried out on-line

**Assessment:** Coursework 1 (20%)  
Coursework 2 (30%)  
Coursework 3 (20%)  
Coursework 4 (30%)

**Assessment Description:** Coursework 1: Map figure with caption using given datasets.

Project: Series of maps and captions to present and justify the best location for a windfarm in a region of Wales.

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Students will receive feedback on each piece of coursework within 3 weeks of the submission deadline.

Each student will receive individual comments on their work.

All feedback will be provided online

**Failure Redemption:** Resubmit failed components

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Nid yw ar gael i fyfyrwyr ymweld a chyfnwid.

Available to visiting and exchange students.

# GEC277 Dulliau ac Ymagweddau Daearyddol

**Credits: 20 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr RH Meara, Dr A Closs Stephens

**Format:** Lectures: 11 hours  
Practical Classes: 21 hours (desk and field based)

Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Cyflwynir y modiwl craidd hwn drwy gyfuniad o ddarlithoedd a sesiynau ymarferol (gan gynnwys rhywfaint o waith grp) ar Gampws Singleton ac mewn safleoedd maes lleol amrywiol. Caiff myfyrwyr ddewis o'r amrywiaeth o brosiectau sydd o ddiddordeb iddynt.

This core module will be delivered through a combination of lectures and practical sessions (including some group work) on Singleton campus and at various local field sites. Students will be able to select from the range of projects that interest them.

**Module Aims:**

Mae'r modiwl 20 credyd craidd hwn yn cyflwyno'r amrywiaeth o ymagweddau at Ddaearyddiaeth Ddynol a Ffisegol a geir, gan ddarparu trosolwg o'r prif ddulliau a ddefnyddir yn y ddisgyblaeth. Cyflwynir y paradeimau hyn a rhoddir cyfle i chi bwysu a mesur pa fathau o ddulliau sy'n cyd-fynd â'r ymagweddau daearyddol hyn. Mae'r modiwl yn cyflwyno dulliau data allweddol a'u gwreiddiau damcaniaethol a bydd cyfle i 'ymarfer' y dulliau allweddol hyn mewn gweithdai estynedig – yn yr ystafell ddosbarth ac yn y maes.

This core 20 credit module introduces the variety of approaches to Human and Physical Geography that exist, providing an overview of the key methods used in the discipline. These paradigms will be introduced and then you are given the opportunity to 'think through' what kinds of methods chime with these geographical approaches. The module introduces key data methods and their theoretical roots, with an opportunity to 'practice' these key methods extended workshops - both desk based and in the field.

**Module Content:**

Mae'r modiwl hwn yn cyflwyno rhai o'r prif dulliau ymchwil a ddefnyddir ar hyn o bryd gan ddaearyddwyr dynol a ffisegol, ynghyd ag ystyriaethau cynllunio ymchwil, damcaniaethol a moesegol. Mae'r modiwl yn cynnwys darlithoedd a hyfforddiant ymarferol a gofynnir i'r myfyrwyr gynnal prosiect ymchwil mewn grwpiau bach ar y diwedd.

Bydd y maes llafur yn cynnwys:

Darlithoedd ar gynllun ymchwil; darlithoedd ar ddata meintiol ac ansoddol; darlithoedd ar foeseg ymchwil; sesiynau ymarferol ar holiaduron ac arolygon; data'r Cyfrifiad a ffynonellau eilaidd; y dull gwyddonol; prosiectau maes daearyddiaeth ffisegol; sgiliau adolygu llenyddiaeth.

This module introduces students to some of the main research methods in currently employed by human and

physical geographers, along with research design, philosophical and ethical considerations. The module includes

lectures and practical training, and culminates in a research project conducted in small-groups. The syllabus will

include:

Research Design lectures;

Quantitative and Qualitative data lectures;

Research Ethics lectures;

Questionnaire surveys practicals;

Census data and secondary sources;

The scientific method;

Physical Geography Field Projects;

Literature Review Skills.

**Intended Learning Outcomes:**

Dangos ymwybyddiaeth o ymchwil effeithiol, gan gynnwys nodi cwestiwn, nodau ac amcanion ymchwil, cynllun ymchwil a dewis dull ymchwil priodol.

Arddangos gwerthfawrogiad o'r cyd-destunau cymdeithasol amrywiol lle defnyddir dulliau ymchwil mewn Daearyddiaeth Ddynol a'r cyd-destunau amgylcheddol lle defnyddir dulliau ymchwil mewn Daearyddiaeth Ffisegol.

Dangos y gallu i werthuso priodoldeb pob dull mewn cyd-destunau ymchwil gwahanol, boed yn yr ystafell ddsbarth neu yn y maes.

Dangos y gallu i adolygu'r llenyddiaeth mewn maes penodol er mwyn lleoli dull mewn cefndir gwyddonol neu wyddor gymdeithasol benodol.

By the end of this module you should be able to:

Demonstrate an awareness of effective research, including identification of a research question, aims and objectives, a research design and selection of an appropriate research methods.

Exhibit an appreciation of the varying social contexts within which research methods are used in Human Geography

and the environmental contexts within which research methods are used in Physical Geography.

Illustrate the ability to evaluate the appropriateness of each method in different research contexts, whether desk or

field based.

Evidence the ability to review the literature in a chosen field in order to situate a method within a particular scientific

or social science background.

**Assessment:** Coursework 1 (50%)  
Coursework 2 (50%)

**Assessment Description:**

50% Adolygiad llenyddiaeth ar sail maes astudio a ddewiswyd

50% Portffolio ar sail pynciau prosiect a ddewiswyd

50% Literature review

50% Portfolio based on chosen project topic

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:**

Rhoddir adborth ysgrifenedig parhaus ar asesiadau yn electronig, gan ddefnyddio templed safonol a blwch sylwadau. Darperir adborth yn y dosbarth hefyd, drwy werthuso gan gymheiriaid a'r addysgwr, ar sail cryfderau a gwendidau cyffredin.

Continual assessment feedback is given in writing electronically using a standard rubric and comments box.

Feedback also to be provided in class through peer evaluation and from the instructor on common strengths and weaknesses.

**Failure Redemption:** Ailsefyll arholiad neu ailgyflwyno gwaith asesiad parhaus, pŷ un bynnag sy'n berthnasol.

Resit examination or resubmit continual assessment whichever is applicable

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Nid yw ar gael i fyfyrwyr ymweld a chyfnewid.

Not available to visiting and exchange students.

# GEC278 Sgiliau Dadansoddi Data a Pharatoi Traethawd Hir

**Credits: 20 Session: 2023/24 January-June**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr A Closs Stephens, Dr RH Meara

**Format:** Darlithoedd/gweithdai: 24 hours

Gwaith maes: 8 awr

Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Addysgir y modiwl hwn drwy gyfuniad o ddarlithoedd, sesiynau ymarferol a gweithdai cynllunio traethawd estynedig.

This module is to be delivered through a mixture of lectures, practical sessions and dissertation planning workshops.

**Module Aims:** Mae'r modiwl hwn yn adeiladu ar wybodaeth y myfyrwyr am ddulliau ymchwil gymdeithasol a dulliau amgylcheddol (a addysgir yn GEG277) i lunio cynnig am draethawd estynedig. Mae'r modiwl yn canolbwyntio ar sgiliau allweddol i gynllunio a pharatoi am draethawd estynedig a gyflwynir ar y cyd â'r Ganolfan Llwyddiant Academaidd, megis rheoli amser, meddwl yn greadigol ac yn feirniadol a datblygu ffocws, ysgrifennu cynnig etc. Mae'r modiwl yn canolbwyntio hefyd ar ddadansoddi data ansoddol a meintiol a sut i ddefnyddio data'n effeithiol wrth baratoi am brosiect traethawd estynedig yn y flwyddyn olaf.

This module builds upon student knowledge of social research methods and environmental methods (delivered in GEG277) through to the formulation of a dissertation proposal. The module focuses on key dissertation planning and preparation skills delivered in association with the Centre for Academic Success (CAS) such as time management, creative and critical thinking and developing a focus, writing a proposal etc. The module also focuses on qualitative and quantitative data analysis and how to use data effectively in preparedness for a final year dissertation project.

**Module Content:** Darlith cyflwyno/paratoi: y pwnc ymchwil, y broses a disgwyliadau

Llunio cwestiwn ymchwil, nodau, amcanion a chynllun ymchwil

Dewis a datblygu eich dulliau casglu data / arolwg / rhannu tasgau mewn grp

Casglu data sylfaenol (gwaith maes mewn grp / sesiwn cymorth a chyngor

Codeiddio a rhannu data sylfaenol /sesiwn cymorth a chyngor

Dadansoddi data meintiol

Dadansoddi data ansoddol

Sesiwn cymorth a chyngor

Llunio a chyflwyno adroddiad ymchwil

Introductory / preparatory lecture: the research topic, process and expectations

Formulation of research question, aims, objectives and research design

Selecting and developing your data collection methods / survey / group division of labour

Primary data collection (group fieldwork) / help and advice session

Codifying and sharing of primary data / help and advice session

Quantitative data analysis

Qualitative data analysis

Help and advice session

Production and submission of research report



**Intended Learning Outcomes:** Erbyn diwedd y modiwl hwn, dylech allu:

- Dangos ymwybyddiaeth o natur fwriadus a strwythuredig ymchwil effeithiol, gan gynnwys nodi cwestiwn, nodau ac amcanion ymchwil, cynllun ymchwil a dewis dull ymchwil priodol;
- Datblygu cynnig ar gyfer darn o ymchwil ddaearyddol sy'n seiliedig ar gysyniad ar ffurf cynnig traethawd ymchwil;
- Dangos meistrolaeth o amrywiaeth o dechnegau addas ar gyfer dadansoddi data meintiwl ac ansoddol;

By the end of this module you should be able to:

- Demonstrate an awareness of the considered and structure nature of effective research, including identification of a research question, aims and objectives, a research design and selection of an appropriate research method;
- Develop a proposal for a conceptually grounded piece of geographical research in the form of a dissertation proposal;
- Show mastery of a range of suitable techniques for the analysis of quantitative and qualitative data;

<b>Assessment:</b>	Coursework 1 (40%) Coursework 2 (40%) Coursework 3 (20%)
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**Assessment Description:** Gwaith cwrs 1: Prosiect a phoster (ffocws dadansoddi data). 1,500 o eiriau a phoster.

Gwaith cwrs 2: Cynnig am draethawd estynedig (gyda'r opsiwn i gael adborth ffurfiannol ar y drafft cyntaf). 1,500 o eiriau.

Gwaith Cwrs (Dadansoddi data) – 20%

Coursework 1: 1 project+1 poster (data analysis focus). 1,500 words plus poster.

Coursework 2: dissertation proposal (with option of formative feedback on first draft). 1,500 words.

Coursework 3 (Data Analysis)

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Adborth unigol a ddarperir yn electronig, o natur ffurfiannol a chrynodol

Individual typed electronic feedback which is formative and summative.

**Failure Redemption:** Ailgyflwyno cydrannau yn ôl yr angen.

Resubmit components as required.

**Reading List:** A. J. Parsons author., Peter Knight 1961- author., How to do your dissertation in geography and related disciplines / Tony Parsons and Peter G. Knight., Milton Park, Abingdon, Oxon ; New York, NY : Routledge, 2015.ISBN: 9781317909200

Kimberley A. Peters, Your human geography dissertation : designing, doing, delivering / Kimberley A. Peters., Thousand Oaks, CA : SAGE, 2017.ISBN: 9781446295205

Linneman, Thomas John, author., Social statistics : managing data, conducting analyses, presenting results, Routledge is an imprint of the Taylor & Francis Group, an informa business, 2022.ISBN: 9781032116235

Danny McCarroll author., Simple statistical tests for geography / Danny McCarroll., Boca Raton, FL : CRC Press is an imprint of the Taylor & Francis Group, an Informa business, 2017.ISBN: 9781498758819

Nicholas Clifford; Meghan Cope; Thomas Gillespie; Shaun French, Key methods in geography / edited by Nicolas Clifford, Meghan Cope, Thomas Gillespie & Shaun French, Sage Publications, 2016.ISBN: 9781446298602

Lury, Celia, editor.; Fensham, Rachel, editor.; Heller-Nicholas, Alexandra, editor.; Lammes, Sybille, editor.; Last, Anglea, editor.; Michael, Mike, editor.; Uprichard, Emma, editor., Routledge handbook of interdisciplinary research methods, Routledge is an imprint of the Taylor & Francis Group, an informa business, 2018 - 2018.ISBN: 9781315714523

Stuart Hall 1932-2014.; Open University., Representation : cultural representations and signifying practices / edited by Stuart Hall., Sage in association with the Open University, 1997.ISBN: 9780761954323

Robin Flowerdew; David Martin 1965 July 18-, Methods in human geography : a guide for students doing a research project / edited by Robin Flowerdew and David Martin., Prentice Hall, 2005.ISBN: 9780582473218

Stephen J. Gale, Peter G Hoare, Quaternary sediments : petrographic methods for the study of unlithified rocks / S. J. Gale and P. G. Hoare., Blackburn Press, 2011.ISBN: 9781932846256

Joseph Holden Prof, author., An introduction to physical geography and the environment / Joseph Holden., Harlow : Pearson Education Limited, 2017.ISBN: 9781292083612

Andrew McGregor, Negotiating Nature: Exploring Discourse through Small Group Research, Blackwell Publishing Ltd, 2005-12-01.ISBN: 00040894

Tim Edensor 1957- editor.; Ares Kalandides editor.; Uma Kothari editor., The Routledge handbook of place / edited by Tim Edensor, Ares Kalandides and Uma Kothari., Abingdon, Oxon : Routledge is an imprint of the Taylor & Francis Group, an informa business, 2020.ISBN: 9780429453267

Kaya Barry editor.; Maria Borovnik editor.; Tim Edensor 1957- editor., Weather : spaces, mobilities and affects / edited by Kaya Barry, Maria Borovnik and Tim Edensor., London ; New York, New York : Routledge, 2021.ISBN: 0367808196

Tim Edensor 1957-, Industrial ruins : spaces, aesthetics, and materiality / Tim Edensor., Berg, 2005.ISBN: 9781845200770

Tim Cresswell author., Place : an introduction / Tim Cresswell., Chichester, West Sussex ; Malden, MA : Wiley Blackwell, 2015.ISBN: 9780470655627

Walter Benjamin 1892-1940., One-way street and other writings / Walter Benjamin ; translators, Edmund Jephcott, Kingsley Shorter., Verso, 1985.ISBN: 086091836X

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Nid yw'r modiwl yma ar gael i fyfyrwyr cyfnewid na'r rheini sy'n ymweld dros dro.

<b>GEG211 Glacial Environments</b>	
<b>Credits: 10 Session: 2023/24 September-January</b>	
<b>Pre-requisite Modules:</b>	
<b>Co-requisite Modules:</b>	
<b>Lecturer(s):</b> Dr J Hiemstra	
<b>Format:</b>	15 hours lectures and 6 hours of seminars Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.
<b>Delivery Method:</b> This module will employ a blended approach to delivery using the Canvas Digital Learning Platform for live/in-person and self-directed activities, with sessions each week.	
<b>Module Aims:</b> This module provides a comprehensive examination of processes, sediments and landforms associated with glacial activity. It considers aspects of both past (Quaternary) and present-day glacial environments. The module also introduces basic glaciological concepts such as glacier mass balance, transformation of snow to ice, glacier hydrology and glacier thermal regime, and thus provides a foundation for Level 3 module GEG344. The basic glaciological concepts are used to illustrate their implications for ice movement, glacial erosion and glacial deposition, and hence, their role in creating 'glacial' landscapes. Teaching and Learning will be conducted via a combination of lectures and student-led seminars. The module is assessed through a 1-hour examination (1 from 3 essay questions, 50%), a poster (40%) and an individual oral 3-minute poster pitch/presentation (10%).	
<b>Module Content:</b> Growth, development and behaviour of glacier ice and the importance in a global context are introduced (2 hours).  Key components of water storage in glacial systems are described followed by an introduction to glacial hydrology and consideration of glacier mass balance and glacier dynamics (5 hours).  Adoption of the landsystem-approach for studying ice-marginal and subglacial environments, together with the most important processes, landforms and sediments are considered (3 hours).  Processes of glacial erosion are described followed by the resulting landforms, which are considered with respect to scale (2 hours).  Glacial depositional landforms are considered according to their orientation with respect to ice flow movement (3 hours).  Two 3-hour sessions of student-led presentations.	
<b>Intended Learning Outcomes:</b> At the end of this module the student should be able to:	
<ol style="list-style-type: none"> <li>1 Identify differences between temperate and cold ice masses in terms of movement characteristics.</li> <li>2 Identify the different mechanisms of glacial erosion and present a reasoned account as regards their operation.</li> <li>3 Discuss the form and typical dimensions of features and landforms formed by glacial erosion.</li> <li>4 Evaluate critically different published views concerning the origins of various glacial erosional forms.</li> <li>5 Discuss the typical locations, forms and dimensions of glacial depositional landforms.</li> <li>6 Evaluate critically different published views concerning the origins of various glacial depositional features.</li> <li>7 Describe the processes involved in the transformation from snow to glacier ice.</li> <li>8 Identify and discuss the physical processes and factors that control glacier mass balance.</li> <li>9 Describe in detail the basic principles of glacial hydrology.</li> <li>10 Identify the role of water in the dynamics of glacier systems.</li> </ol>	
<b>Assessment:</b>	Examination 1 (50%) Coursework 1 (40%) Oral Examination (10%)
<b>Resit Assessment:</b>	Examination (Resit instrument) (100%)

**Assessment Description:** One-hour, end-of-term examination. One from three essay-type answers. Weighting 50%

Coursework 1: poster. Weighting 40%.

Coursework 2: conference-style pitch (3-minute), Weighting 10%

Re-sit examination: two-hour exam, two essay-type answers from six. Weighting 100%.

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Students will receive examination feedback after exams (tutorial session). Continual assessment feedback is given in writing on standard departmental feedback forms. Additional oral feedback available on request.

**Failure Redemption:** Re-sit examination (2 hours instead of 1).

**Reading List:** Benn, Douglas I., Evans, David J. A., *Glaciers & glaciation* / Douglas I. Benn and David J. A. Evans., Hodder Arnold,, 2010.ISBN: 9780340905791

David J. A. Evans editor.; Douglas I. Benn editor., *A practical guide to the study of glacial sediments* / edited by David J.A. Evans and Douglas I. Benn., London : Hodder Education, an Hachette UK Company, 2004.ISBN: 0340759593

Bennett, Matthew, Glasser, Neil F., *Glacial geology : ice sheets and landforms* / Matthew R. Bennett and Neil F. Glasser., Wiley-Blackwell,, 2009.ISBN: 9780470516911

Hubbard, Bryn., Glasser, Neil F., *Field techniques in glaciology and glacial geomorphology* / Bryn Hubbard, Neil Glasser., John Wiley & Sons,, c2005..ISBN: 0470844272

**Additional Notes:** Delivery of both teaching and assessment will include live and self-directed activities on-campus.

Available to visiting and exchange students, who are expected to be in Swansea for the exam.

<b>GEG220 Tourism, Heritage and Leisure</b>	
<b>Credits: 10 Session: 2023/24 January-June</b>	
<b>Pre-requisite Modules:</b>	
<b>Co-requisite Modules:</b>	
<b>Lecturer(s):</b> Dr JF Maddern	
<b>Format:</b>	
<b>Delivery Method:</b>	
<b>Module Aims:</b> The tourism and leisure industries are one of the world's most successful industries. In the UK alone, the tourism industry contributes an estimated £127 billion annually to the British economy. In developing countries, tourism can be a force for growth, a key source of employment and income generation. But the tourism industry is not without its impacts. In this module, we will examine how tourism, leisure and heritage spaces are produced, maintained, and consumed. Within this circuit of cultural production and consumption, we will examine a range of case studies to understand key theories around authenticity, nostalgia, tourism mobilities, and the "tourist gaze". We will also examine the heritage industry and the ways in which the "past" are used in the "present". Here a key focus is on collective memory making, what is remembered and what is forgotten, by whom and for what purpose.	
<b>Module Content:</b>	
<b>Intended Learning Outcomes:</b>	
<b>Assessment:</b>	Examination 1 (50%) Coursework 1 (50%)
<b>Resit Assessment:</b>	Coursework reassessment instrument (100%)
<b>Assessment Description:</b>	
<b>Moderation approach to main assessment:</b>	
<b>Assessment Feedback:</b>	
<b>Failure Redemption:</b>	
<b>Additional Notes:</b> Available to visiting and exchange students.	

# GEG229 Marginal Cultural Geographies

**Credits: 10 Session: 2023/24 January-June**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr KH Halfacree

**Format:** 18 hours, lectures  
Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** In person lectures

**Module Aims:** What is 'human geography' about if it is not concerned with difference? And what is cultural geography if it does not involve understanding and appreciating the diverse social and cultural forms that both include and exist around today, even in Swansea?

This module introduces students to some of the huge range of contemporary cultural human geography scholarship that explores this diversity, with a particular focus on what is termed 'marginal geographies'. Specifically, attention focuses on the relevance, expression and importance of alternative, radical, and countercultural lives and spaces that are more chosen by those involved than forced on them by circumstances such as discrimination.

These geographies 'on the margins' are presented under the four headings of leisure, production, environmentalism and living. They are contrasted to those of the 'mainstream', although a key theme in the module is how this distinction is always provisional, problematic and inherently dynamic.

**Module Content:** Topics for 2023-24:

Introduction: the Marginal within Cultural Geography

Theme 1: Producing on the Margins

Introduction: Mainstream vs. Dis-alienating Work

Going 'Back-to-the-land'

Quality Rural Production

Coursework Option: Radical Gardening

Theme 2: Playing on the Margins

Introduction: Mainstream vs. Carnavalesque Leisure

Seaside Carnavalesque

Spaces of Late 20thC Rave

Coursework Option: Interpreting UK Music Festivals

Theme 3: Environment on the Margins

Introduction: Mainstream vs. Radical Environmentalism

Spaces of Protest

Low Impact Development

Coursework Option: Transition Town Britain

Theme 4: Living on the Margins

Introduction: Mainstream vs. Heterotopic Lives

Coursework Option: Squatting: the Case of Berlin

Placing Bohemia in 19thC Paris

20thC New Travellers

Conclusion

**Intended Learning Outcomes:** Students will be able to:

- Appreciate the theoretical and empirical importance of marginal geographies in the modern period
- Assess the relevance of contemporary cultural geography in the context 'alternative' lifestyles and worldviews
- Explain various theoretical approaches used to understand marginality
- Evaluate the importance of representation and imagery to our understanding of society
- Discuss the construction, regulation and negotiation of identities in and through place and space
- Consider their own position(s) and role(s) within key aspects of contemporary society
- Understand the ways in which power operates, and its links to identity, representation and space

**Assessment:** Examination 1 (50%)  
Coursework 1 (50%)

**Assessment Description:** Coursework

Choice of one from three options, one each linked to the first three sections of the four section module  
The assignment is 1500 words long.

It should critically assess, utilizing critically a wide range of sources, many of which may not be 'standard' academic material, just how 'marginal' or alternative some named aspect of leisure, production, environmentalism or lifestyle is ultimately seen to be. Each of the four options will be introduced within a dedicated class, using largely audio-visual material.

Examination

A 1 hour unseen examination, answering one question from a choice of three that seek to embrace as much of the module as possible.

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Detailed written feedback on the coursework assignment will be returned to the student within two working weeks of submission. Students will be able to arrange a personal meeting to discuss their feedback further if so desired.

Students will be able to see the comments on their examination answers when they go through all their Level 2 examination comments with their Level 3 tutors at the start of their Year 3.

**Failure Redemption:** Redeem failed component(s) (submit coursework and/or resit exam)

**Reading List:** Anderson, J., *Understanding Cultural Geography: Places & Traces*, Routledge, 2021. ISBN: 9781000368208

Blunt, A. & Wills, J., *Dissident Geographies: an Introduction to Radical Ideas & Practice*, Longman, 2000. ISBN: 9780582294899

Jenks, C., *Subculture: the Fragmentation of the Social*, Sage, 2005. ISBN: 076195371X

Trapeze Collective, *Do it Yourself: a Handbook for Changing our World*, Pluto Press, 2007. ISBN: 9780745326375

Pickerill, J. & Chatterton, P., *Notes towards autonomous geographies: creation, resistance and self-management as survival tactics*, SAGE Publications, 2006. ISBN: 03091325

McKay, G., *Senseless Acts of Beauty: Cultures of Resistance since the Sixties*, Verso, 1996. ISBN: 9781859840283

Williams, J.P. & Hannerz, E., *Articulating the 'counter' in subculture studies*, 2014. ISBN: 14412616

Billinge, M., *A time and place for everything: an essay on recreation, re-Creation and the Victorians*, Elsevier Ltd, 1996. ISBN: 03057488

Fulcher, J., *Capitalism: a Very Short Introduction*, Oxford University Press, 2004. ISBN: 9780192802187

Anderson, J., *Understanding Cultural Geography: Places & Traces*, Routledge, 2021. ISBN: 9781000368208

Gregory, D. et al. (eds.), *The Dictionary of Human Geography*, Blackwell, 2009. ISBN: 9781405132886

Harvey, D., *A Companion to Marx's Capital*, Verso, 2010. ISBN: 1781683638

McKie, D., *Idle worship of St Monday*, 2004.

Wall, D., *Babylon & Beyond: the Economics of Anti-Capitalist, Anti-Globalist & Radical Green Movements*, Pluto Press, 2005. ISBN: 1849642788

Halfacree, K., *From dropping out to leading on? British counter-cultural back-to-the-land in a changing rurality*, SAGE Publications, 2006. ISBN: 03091325

Halfacree, K., *'Glow worms show the path we have to tread': the counterurbanisation of Vashti Bunyan*, Taylor & Francis Group, 2009. ISBN: 14649365

*Rural Wales in the Twenty-First Century*, University of Wales, 2011. ISBN: 9780708324349

Halfacree, K., *Getting it together in the countryside?: revisiting artistic back-to-the-land experiments of the 1970s*, 2016.

Hardy, D., *Utopian England: Community Experiments, 1900-1945*, E & FN Spon, 2000. ISBN: 9780419246701

Hardy, D., *Utopian England Community Experiments 1900-1945*, E & FN Spon, 2000. ISBN: 9780419246701

Hardy, D. & Ward, C., *Arcadia for All: the Legacy of a Makeshift Landscape*, Five Leaves, 2004. ISBN: 0907123597

Morgan, S., *The story of West Wales' hippie invasion: fun, laughter, misunderstandings and ultimately acceptance*, Wales Online, 17th April 2015.

Smith, D., *The 'buoyancy' of 'other' geographies of gentrification: going 'back-to-the-water' and the commodification of marginality*, 2007. ISBN: 0040747X

Tarlo, H. & Tucker, J., *Poetry, painting and change on the edge of England*, Wiley Subscription Services, Inc, 2019. ISBN: 00380199

Wilbur, A., *Growing a radical ruralism: back-to-the-land as practice and ideal*, 2013. ISBN: 17498198

Coates, C., *Endeavours towards an Arts and Crafts Utopia*, 2001.

Maye, D., & Kirwan, J., *Alternative food networks*, Sociopedia.isa, 2010.

Bell, D. & Jayne, M., *The creative countryside: policy and practice in the UK rural cultural economy*, Elsevier Ltd, 2010. ISBN: 07430167

Bosworth, G. & Farrell, H., *Tourism entrepreneurs in Northumberland*, Elsevier Ltd, 2011. ISBN: 01607383

*Caerhys Organic Community Agriculture (COCA)*.

*Utopian England: Community Experiments, 1900-1945*, E & FN Spon, 2000. ISBN: 9780419246701

*Geographies of Rural Cultures & Societies*, Ashgate, 2004. ISBN: 0754635716

Jarosz, L., *The city in the country: growing alternative food networks in Metropolitan areas*, Elsevier Ltd, 2008. ISBN: 07430167

Krzywoszynska, A., *Will local food producers keep feeding us beyond Covid-19?*, 2020.

Longhurst, N., *The emergence of an alternative milieu: conceptualising the nature of alternative places*, SAGE Publications, 2013. ISBN: 0308518X

MacCarthy, F., *William Morris – beauty and anarchy in the UK*, Guardian, 3rd October 2014.

Maye, D., Holloway, L. & Kneafsey, M. (eds.), *Alternative Food Geographies: Representation & Practice*, Elsevier, 2007. ISBN: 9780080450186

McAuley, A. & Fillis, I., *Careers and lifestyles of craft makers in the 21st century*, Routledge, 2005. ISBN:



09548963

McKay, G., *Radical Gardening: Politics, Idealism & Rebellion in the Garden*, Frances Lincoln Ltd., 2011. ISBN: 9780711230309

McKay, G., *Radical Gardening: Politics, Idealism & Rebellion in the Garden*, Francis Lincoln Ltd, 2011. ISBN: 9780711230309

*Back to the Land: a Collection of Essays on the Art of Living*, Idler Books, 2011. ISBN: 9780954845612

Adams, D. & Hardman, M., *Observing guerrillas in the wild: reinterpreting practices of urban guerrilla gardening*, Sage Publications, Ltd, 2014. ISBN: 00420980

Bhatti, M. & Church, A., *Home, the culture of nature and meanings of gardens in late modernity*, Taylor & Francis Ltd, 2004. ISBN: 02673037

Certomà, C. & Tornaghi, C., *Political gardening. Transforming cities and political agency*, Routledge, 2015. ISBN: 13549839

*Guerrilla Gardening.org.*

Hardman, M., Chipungu, L., Magidimisha, H., Larkham, P., Scott, A. & Armitage, R., *Guerrilla gardening and green activism: rethinking the informal urban growing movement*, Elsevier B.V, 2018. ISBN: 01692046  
*Incredible Edible.*

Jones, R., *Allotment demand leads to 40-year waiting list*, Guardian, 2nd June 2009.

Milbourne, P., *Everyday (in)justices and ordinary environmentalisms: community gardening in disadvantaged urban neighbourhoods*, Routledge, 2012. ISBN: 13549839

Paull, J., *Incredible Edible Todmorden: eating the street*, Farming Matters, 2011.

Reed, M. & Keech, D., *Gardening cyberspace-social media and hybrid spaces in the creation of food citizenship in the Bristol city-region, UK*, Routledge, 2019. ISBN: 01426397

Reynolds, R., *On Guerrilla Gardening : a Handbook for Gardening without Boundaries*, Bloomsbury, 2008. ISBN: 9780747592976

Gregory, D. et al. (eds.), *The Dictionary of Human Geography*, Blackwell, 2009. ISBN: 9781405132886

Hubbard, P., *Carnage! Coming to a town near you? Nightlife, uncivilised behaviour and the carnivalesque body*, Routledge, 2013. ISBN: 02614367

Billinge, M., *A time and place for everything: an essay on recreation, re-Creation and the Victorians*, Elsevier Ltd, 1996. ISBN: 03057488

Cresswell, T., *In Place / Out of Place. Geography, Ideology, & Transgression*, University of Minnesota Press, 1996. ISBN: 0816685673

Ehrenreich, B., *Dancing in the Streets: a History of Collective Joy*, Granta Books, 2008. ISBN: 9781847080080

Harris, D., *Key Concepts in Leisure Studies*, Sage, 2005. ISBN: 0761970584

*A Handbook of Leisure Studies*, Palgrave Macmillan, 2006. ISBN: 140390278X

Moore, D., *Calan Mai and Cadi Ha: May Day traditions in Wales*, no date.

Ravenscroft, N. & Gilchrist, P., *Spaces of transgression: governance, discipline and reworking the carnivalesque*, Taylor & Francis, UK, 2009. ISBN: 02614367

*The Outpost, The pagan spring fertility origins of May Day*, 2019.

Urry, J. & Larsen, J., *The Tourist Gaze 3.0*, Sage, 2011. ISBN: 1446259927

Chapman, A. & Light, D., *Working with the carnivalesque at the seaside: Transgression and misbehaviour in a tourism workplace*, SAGE Publications, 2017. ISBN: 14687976

Armstrong, S., *The white island : two thousand years of pleasure in Ibiza*, Black Swan, 2005. ISBN: 0552771899

Browne, K. & Bakshi, L., *Ordinary in Brighton?: LGBT, Activisms & the City*, Routledge, 2016.

Cohen, S., *Folk devils and moral panics: the creation of the Mods and Rockers*, Routledge, 2011. ISBN: 0203828259

Haider, A., *The dark side of the British seaside*, BBC Culture, 2017.

Shields, R., *Places on the margin : alternative geographies of modernity*, Routledge, 1991. ISBN: 0415040914

Thompson, K., *Moral panics*, Routledge, 1998. ISBN: 1134811616

Urry, J. & Larsen, J., *The tourist gaze 3.0*, Sage, 2011. ISBN: 1446259927

Walton, J., *The British seaside : holidays and resorts in the twentieth century*, Manchester University Press, 2000. ISBN: 0719051703

Walton, J., *The Victorian seaside*, BBC History, 2001.

Webb, D., *Bakhtin at the Seaside: Utopia, Modernity and the Carnavalesque*, SAGE Publications, 2005. ISBN: 02632764

Whitehead, M., *Outsiders at the Seaside*, 2014.

Martin, D., *Power play and party politics: the significance of raving*, Blackwell Publishing Ltd, 1999. ISBN:

00223840

Armstrong, S., *The White Island: Two Thousand Years of Pleasure in Ibiza*, Black Swan, 2005. ISBN: 0552771899

Bainbridge, L., *Acid house and the dawn of a rave new world*, Observer 23rd February, 2014.

Collin, M., *Altered State: the Story of Ecstasy Culture & Acid House*, Serpent's Tail, 1998. ISBN: 1852426047

D'Andrea, A., *Global Nomads: Techno & New Age as Transnational Countercultures in Ibiza & Goa*, Routledge, 2009. ISBN: 9780415553674

Hill, B., *The art of rave*, 2020.

John, H., *UK rave culture and the Thatcherite hegemony, 1988-94*.

Laughey, D., *Music & Youth Culture*, Edinburgh University Press, 2006. ISBN: 0748653031

Malbon, B., *Clubbing: Dancing, Ecstasy & Vitality*, Routledge, 1999. ISBN: 184576580X

*The Festivalization of Culture*, Ashgate, 2014. ISBN: 9781409431985

McKay, G., *Senseless Acts of Beauty: Cultures of Resistance since the Sixties*, Verso, 1996. ISBN: 9781859840283

Measham, F., Aldridge, J. & Parker, H., *Dancing on Drugs: Risk, Health & Hedonism in the British Club Scene*, Free Association, 2001. ISBN: 1853435120

*DiY Culture: Party & Protest in Nineties Britain*, Verso, 1998. ISBN: 1859842607

Thornton, S., *Club Cultures: Music, Media & Subcultural Capital*, Polity Press, 1995. ISBN: 0745614434

Anderton, C., *Music Festivals in the UK: Beyond the Carnavalesque*, Routledge, 2019. ISBN: 9781315596792

McKay, G., *Glastonbury: a Very English Fair*, Gollancz, 2000. ISBN: 0575068078

Webster, E. & McKay, G., *From Glyndebourne to Glastonbury: the Impact of British Music Festivals*, Norwich: Arts & Humanities Research Council / University of East Anglia, 2016.

*The Impact of Festivals project, 2015-16*.

Anderton, C., *From Woodstock to Glastonbury to the Isle of Wight: the role of festival films in the construction of the countercultural carnivalesque*, Routledge, 2019. ISBN: 03007766

Anderton, C., *Music festival sponsorship: between commerce and carnival*, Emerald Group Publishing Limited, 2011. ISBN: 20442084

*The Festivalization of Culture*, Ashgate, 2014. ISBN: 9781409431985

*The Festivalization of Culture*, Ashgate, 2014. ISBN: 9781409431985

McKay, G., *Senseless Acts of Beauty: Cultures of Resistance since the Sixties*, Verso, 1996. ISBN: 9781859840283

*Remembering Woodstock*, Ashgate, 2004. ISBN: 9780754607144

McKay, G. (ed.), *The Pop Festival: History, Music, Media, Culture*, Bloomsbury Academic, 2015. ISBN: 9781623569594

Pielichaty, H., *Festival space: gender, liminality and the carnivalesque*, Emerald Group Publishing Limited, 2015. ISBN: 17582954

*Lifestyle Shopping: the Subject of Consumption*, Routledge, 1992. ISBN: 0415060591

Hetherington, K., *New Age Travellers: Vanloads of Uproarious Humanity*, Cassell, 2000. ISBN: 0304339784

Michaels, L., *Has Glastonbury sold out?*, Corporate Watch, 2002.

Quinn, B. & Wilks, L., *Festival heterotopias: spatial and temporal transformations in two small-scale settlements*, Elsevier Ltd, 2017. ISBN: 07430167

Quirke, J., *From Beaulieu to Bestival*, BBC4's *Festivals Britannia* documentary is a history of outdoor merriment, Guardian, 2010.

*International Perspectives of Festivals and Events: Paradigms of Analysis*, Elsevier, 2009. ISBN: 9780080451008

Worthington, A., *Stonehenge: Celebration and Subversion*, Alternative Albion, 2004. ISBN: 9781872883762

Worthington, A. (ed.), *The Battle of the Beanfield*, Enabler Publications, 2005. ISBN: 9780952331667

Anderson, J., *Understanding Cultural Geography: Places & Traces*, Routledge, 2021. ISBN: 9781000368208

*DiY culture. Party and protest in Nineties Britain*, Verso, 1998. ISBN: 9781859842607

Plows, A., *Towards an analysis of the 'success' of UK Green protests*, Palgrave Macmillan UK, 2008. ISBN: 1746918X

*Anti-capitalist Britain*, New Clarion, 2004. ISBN: 1873797435

Chatterton, P. & Pickerill, J., *Everyday activism and transitions towards post-capitalist worlds*, Blackwell Publishing Ltd, 2010. ISBN: 00202754

*Extinction Rebellion*.

Gayle, D., *Inside Insulate Britain: on the road with the disruptive climate protesters*, Guardian, 17th October

2021.

Hunt, S., *The echoing greens: the neo-romanticism of Earth First! and Reclaim the Streets in the UK*, 2013.

McKay, G., *Senseless acts of beauty: cultures of resistance since the Sixties*, Verso, 1996.

An introduction to human geography, Pearson Education Limited, 2012. ISBN: 9780273740704

Pickerill, J. & Chatterton, P., *Notes towards autonomous geographies: creation, resistance and self-management as survival tactics*, SAGE Publications, 2006. ISBN: 03091325

DiY Culture: Party & Protest in Nineties Britain, Verso, 1998. ISBN: 1859842607

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Schlosberg, D. & Coles, R., *The new environmentalism of everyday life: Sustainability, material flows and movements*, Palgrave Macmillan UK, 2015. ISBN: 14708914

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Novy, J. & Colomb, C., *Struggling for the right to the (creative) city in Berlin and Hamburg: new urban social movements, new 'spaces of hope'?*, Blackwell Publishing Ltd, 2013. ISBN: 03091317

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Vasudevan, A., Between appropriation and occupation: the spatial politics of 'squatting' in East Berlin, Routledge, 2021. ISBN: 02723638

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Holloway, S., Jayne, M. & Valentine, G., Sainsbury's is my local: English alcohol policy, domestic drinking practices and the meaning of home, Blackwell Publishing, 2008. ISBN: 00202754

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Jayne, M., Valentine, G. & Holloway, S., Emotional, embodied and affective geographies of alcohol, drinking and drunkenness, Blackwell Publishing Ltd, 2010. ISBN: 00202754

Valentine, G., Holloway, S., Knell, C. & Jayne, M., Drinking places: Young people and cultures of alcohol consumption in rural environments, Elsevier Ltd, 2008. ISBN: 07430167

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Hayward, K. & Hobbs, D., Beyond the binge in booze Britain: market-led liminalization and the spectacle of binge drinking, Blackwell Publishing, 2007. ISBN: 00071315

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Kneale, J. & French, S., Mapping alcohol: Health, policy and the geographies of problem drinking in Britain, Informa UK Ltd, 2008. ISBN: 09687637

McClatchley, K., Shorter, G. & Chalmers, J., Deconstructing alcohol use on a night out in England: Promotions, preloading and consumption, Blackwell Publishing Ltd, 2014. ISBN: 09595236

Measham, F., The turning tides of intoxication: young people's drinking in Britain in the 2000s, Emerald Group Publishing Limited, 2008. ISBN: 09654283

Measham, F. & Brain, K., 'Binge' drinking, British alcohol policy and the new culture of intoxication, Sage Publications, 2005. ISBN: 17416590

Wilkinson, S., Drinking in the dark: shedding light on young people's alcohol consumption experiences, Routledge, 2017. ISBN: 14649365

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Available to non-Geography students as well as the visiting and exchange students; students must be able to attend the examination.

# GEG230 Social Geographies

**Credits: 10 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Prof SV Shubin

**Format:**

Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Primarily on Campus

**Module Aims:** This module is an overview of the processes co-constructing space and social relations, providing different ways of understanding our contemporary world and how people live within it. The module explores the field of social geography across different geographical scales, and relationships and interdependencies existing between these scales, creating boundaries and connections. These scales and spaces include the body, the home, community, the street, city and nation. The module emphasizes the multiplicity of approaches, theories and arguments about human life in Social Geography, and the connections and interrelations which exist between different fields of geographical enquiry. This approach focuses on multiple economic, political and cultural interactions in varying contexts, defined via places, power relations and systems of organization and control. It encourages students to be open to this diversity of interpretations and living patterns, and to think critically about different issues related to the co-construction of space and society.

**Module Content:** Introduction to social geographies

- The body: body as a space
- The body: body in space and time
- The home: space and meanings
- The home: homelessness
- FILM: Thelma and Louise
- Community: lived space
- Community: imagined space
- Institutions: schools and workplace
- The street: experiences and visions
- The street: morality and exclusions
- The city: heterogeneous space
- The rural: meanings, visions, norms
- The rural: space of conflict?
- The nation: identities and nationalism
- The nation: globalization
- Summary and review

**Intended Learning Outcomes:** By the end of this module students will be able to:

Demonstrate an awareness of and be able to evaluate the different theories and approaches human geographers have employed to make sense of space, place and society

- Explain the ways in which social identities and relations are constituted in and through different spaces at different geographical scales
- Assess the key economic, political and social activities shaping contemporary social geographies
- Demonstrate an awareness of the different ways space and society are represented through texts, discourses, visual images and moving visual texts
- Recognize and discuss the contested and provisional nature of knowledge and understanding
- Understand the diversity of specialized techniques involved in constructing different social geographies

**Assessment:** Examination 1 (50%)  
Coursework 1 (50%)

<p><b>Assessment Description:</b> Exam 50% of your mark (choice of 1 question out of 3) The final examination (1 hour) is a comprehensive final test: it assesses your knowledge of the subject and ability to convey your ideas. It consists of one essay question from a choice of three. Samples of the essay titles will be made available before the exam.</p>
<p>Essay 50 % of your mark (choice of 1 question out of 3) Not more than 1,500 words</p>
<p><b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort</p>
<p><b>Assessment Feedback:</b> Students will receive examination feedback after exams. Continual assessment feedback is given in writing on standard departmental feedback forms.</p>
<p><b>Failure Redemption:</b> resit examination or resubmit continual assessment whichever if applicable</p>
<p><b>Reading List:</b> Gill Valentine 1965- author, Social geographies : space and society / Gill Valentine., Harlow : Prentice Hall, 2001.ISBN: 9780582357778 Rachel Pain, Introducing social geographies / Rachel Pain ...[et al.], Arnold, 2001.ISBN: 9780340720066 Ruth Panelli author., Social geographies : from difference to action / Ruth Panelli., London : SAGE, 2004.ISBN: 0761968946</p>
<p><b>Additional Notes:</b> Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.</p>
<p>This module is available to visiting and exchange students, who must be present for the exam.</p>



# GEG236 Earth from Space: Monitoring Global Environmental Change

**Credits: 10 Session: 2023/24 January-June**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Prof PRJ North

**Format:** 20 (10 lecture + 10 small-group computer project) Contact Hours will be delivered on-campus.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Half lecture based and half computer based classes. On campus.

**Module Aims:** This module introduces the growing role of Earth Observation in Geography, in the context of monitoring global environmental change. Emphasis will be given to practical use of airborne and satellite imagery in a range of geographical applications. In addition to a grounding in the principles of remote sensing, the course will offer in-depth understanding of the use of satellite observations in the study of global change in particular of deforestation and desertification. Practical exercises will teach image processing skills and familiarity with the range of information sources available for remotely sensed imagery.

**Module Content:** Outline of lecture topics:

Overview and history of Earth Observation in geography.  
Principles of airborne remote sensing, focusing on optical imagery and lidar.  
Satellite remote sensing, focussing on Landsat imagery.  
Methods for interpreting imagery and production of classified maps.  
Study of deforestation using remote sensing.  
Application to management and monitoring desertification.  
Applications to climate change science and environmental modelling.

Example practical sessions:

Analysis of airborne and lidar aircraft imagery.  
Familiarisation with different sources of satellite and aircraft imagery.  
Image processing using Landsat imagery.  
Interpretation and classification of imagery.  
Monitoring global vegetation change.

**Intended Learning Outcomes:** By the end of this module students should be capable of demonstrating:

A broad understanding of the purpose and scope of Earth Observation in Geography.

A critical awareness of the range of modern geographical applications to which remote sensing contributes.

An ability to analyse remotely sensed data using image processing software.

An understanding of the technology behind satellite and aircraft imagery.

**Assessment:** Coursework 1 (50%)  
Coursework 2 (50%)

**Assessment Description:**

Two items of coursework:

- (i) Classification of imagery for land cover mapping
- (ii) Global time series analysis

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Coursework assessment feedback is given in writing via Canvas.

**Failure Redemption:** Resit examination or resubmit continual assessment whichever if applicable.

**Reading List:** Canada Centre for Remote Sensing, CCRS Remote Sensing Tutorial, Canada Centre for Mapping and Earth Observation, 06/08/2019.

USGS, USGS Earth Explorer.

Greg Asner, EO and Ecology.

UK Land Cover map, CEH.

ENVI User Guide, L3 Harris Geospatial.

Planet - high resolution satellite archive.

Review of satellite data sources.

Lillesand, Thomas M., author., Kiefer, Ralph W., author.; Chipman, Jonathan W., author., Remote sensing and image interpretation, Wiley, 2015.ISBN: 111834328X

Mather, Paul M., Koch, Magaly., Computer processing of remotely-sensed images : an introduction, Wiley-Blackwell, 2011.ISBN: 9780470742389

Campbell, James B., Wynne, Randolph H., Introduction to remote sensing / James B. Campbell and Randolph H. Wynne., Guilford Press,, c2011..ISBN: 9781609181765

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

There are no pre- or co-requisites for this module. Available to visiting or exchange students

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<b>GEG251 Political Geographies</b>
<b>Credits: 10 Session: 2023/24 September-January</b>
<b>Pre-requisite Modules:</b>
<b>Co-requisite Modules:</b>
<b>Lecturer(s):</b> Dr A Closs Stephens
<b>Format:</b>
<b>Delivery Method:</b> Lectures
<b>Module Aims:</b> How do we begin to think about the political world? What difference does Geography make to our understandings of politics? This module will address these questions by engaging with critical and cutting-edge debates in Political Geography as well as related fields. The module will begin by analysing the modern way of understanding world politics as based on a system of sovereign states, which was established alongside the rise of capitalism in Europe and its colonial encounter with the rest of the world. We will explore the dominance of this way of imagining the political world whilst also examining various attempts at thinking space, politics and citizenship differently. This is an exciting time to be studying politics as there are so many examples from the world around us of the strain on the principle of state sovereignty and geographers are especially well placed to explore these tensions and limit points. This course will help guide students to develop a robust understanding of the political world we have inherited and to uncover ways of thinking about other possible worlds.
<b>Module Content:</b> Lectures: weekly, 2 hours, and to include opportunities for discussion.  <ol style="list-style-type: none"> <li>1. Introduction: Politics, Geography, Citizenship</li> <li>2. Geographies of Citizenship: Refugees, Migrants and People on the Move</li> <li>3. Geographies of Citizenship: Sovereignty and Self-Other Encounters</li> <li>4. Cosmopolitan Citizenship: Security, Identity, Terror</li> <li>5. Cosmopolitan Citizenship: Citizens, Strangers and the City</li> <li>6. Affective Citizenship: Nationality, Sovereignty, Atmosphere</li> <li>7. Affective Citizenship: Neoliberalism, Austerity, Resistance</li> <li>8. Alternative Political Geographies: Citizens Without Frontiers</li> <li>9. Alternative Political Geographies: Liberal Democracy and New Solidarities</li> <li>10. Revision lecture and review of the course.</li> </ol>
<b>Intended Learning Outcomes:</b> <ul style="list-style-type: none"> <li>· Explain key conceptual and theoretical debates in contemporary academic political geography and be able to apply those to the world around us;</li> <li>· Critically evaluate key concepts in political geography including power, citizenship, space, difference, security, identity, sovereignty, the nation-state, as well as the relationship between them;</li> <li>· Demonstrate a good awareness of cutting edge debates in the academic field of political geography as well as related debates in cultural geography and citizenship studies;</li> <li>· Explain the rationale and consequences of our own positions in relation to political issues and crises taking place in the world;</li> <li>· Explain how our approaches to global politics enable and disable different political possibilities in terms of policy and practice.</li> </ul>
<b>Assessment:</b> Examination 1 (50%) Coursework 1 (50%)
<b>Assessment Description:</b> Exam - 1 essay question from a choice of 3 Coursework - summative task
<b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort
<b>Assessment Feedback:</b> Feedback of essay Students will receive examination feedback after exams (in February if January exam or start of Level 2 if May/June exam).
<b>Failure Redemption:</b> Resubmit coursework, or resit the examination, depending on which component failed.

**Reading List:** Jenny Edkins editor.; Maja Zehfuss editor., *Global politics : a new introduction* / edited by Jenny Edkins and Maja Zehfuss., Abingdon, Oxon : Routledge is an imprint of the Taylor & Francis Group, an informa business, 2019.ISBN: 9781138060289

Jenny Edkins; Maja Zehfuss, *Global politics : a new introduction* / edited by Jenny Edkins and Maja Zehfuss., Routledge, 2014.ISBN: 9780415684811

Jenny Edkins editor.; Maja Zehfuss editor., *Global politics : a new introduction* / edited by Jenny Edkins and Maja Zehfuss., Routledge, 2019.ISBN: 9781138060289

Doreen B Massey; John Allen 1951-; Philip Sarre, *Human geography today*, Polity Press ; Blackwell Publishers, 1999.ISBN: 9780745621890

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**Additional Notes:** Module is delivered on campus.

<b>GEG252 Geographical Fieldwork skills</b>
<b>Credits: 20 Session: 2023/24 September-June</b>
<b>Pre-requisite Modules:</b>
<b>Co-requisite Modules:</b>
<b>Lecturer(s):</b> Dr NJ Felstead
<b>Format:</b> 50
<b>Delivery Method:</b> The module is taught at four locations - Austria (GEG252A), Mallorca (GEG252M), New York City (GEG252N) and Vancouver (GEG252V).  Each trip consists of preparatory lectures, seminars and small-group sessions before departure. The main method of delivery is study in the field.
<b>Module Aims:</b> The module is concerned with identifying and defining geographical questions within a specific field location and applying the relevant geographical skills, knowledge and techniques to these questions. The general aims are to observe, analyse and achieve an understanding of the varied geographical landscapes and inherent features of a designated fieldweek location. The module comprises a week's fieldwork at a designated, normally foreign, location and preparatory and post-fieldweek lectures and other classes.
<b>Module Content:</b> There is a separate syllabus for each individual trip - Austria (GEG252A), Mallorca (GEG252M), New York City (GEG252N) and Vancouver (GEG252V).
<b>Intended Learning Outcomes:</b> On completion of the module, students should be able to do most of the following: <ul style="list-style-type: none"> <li>• Explain physical landscapes in terms of natural environmental factors and processes, environmental change and their human impacts (physical geographers)</li> <li>• Identify and evaluate the nature and impacts of socio-economic forces in the urban landscape (human geographers)</li> <li>• Evaluate, where appropriate, the relevance of established models and theories (including those of other modules in Geography) to local case studies</li> <li>• Identify key issues facing the relevant field location and assess the effectiveness of policy responses</li> <li>• Use varied geographical methods for studying our designated field area and its landscape issues.</li> </ul>
<b>Assessment:</b> Coursework 1 (100%)
<b>Assessment Description:</b> Each fieldcourse has its own range of assessment components detailed elsewhere. These are monitored for equivalence.
<b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort
<b>Assessment Feedback:</b> Students will receive examination feedback after submission of coursework. Continual assessment feedback is given in writing on standard departmental feedback forms.
<b>Failure Redemption:</b> A student who attends the trip but fails to submit all assessed elements may be allowed to submit these elements during the resit period if extenuating circumstances exist.  A student who fails to attend the fieldtrip for valid personal or medical reasons will be set an alternative and equivalent task - usually involving the application of fieldwork skills - in order to achieve the credits for the module.
<b>Additional Notes:</b> Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.
Available to visiting and exchange students on a discretionary basis.



<b>GEG273 Geographies of Climate Action and Activism</b>	
<b>Credits: 10 Session: 2023/24 September-January</b>	
<b>Pre-requisite Modules:</b>	
<b>Co-requisite Modules:</b>	
<b>Lecturer(s):</b> Dr AL Pigott	
<b>Format:</b>	Lectures 10 hrs Seminars 10 hrs
<b>Delivery Method:</b> Predominantly lectures (including classroom discussions and group work)	
<b>Module Aims:</b> This course will explore the kinds of knowledge, politics, and imaginations that underpin current responses to the climate crisis. It will engage critical and cutting-edge debates in Geography and related fields to help us grapple with the multiple ways we might understand and respond to a warming world. The module will begin by introducing climate change as a 'hyperobject' - that is, a phenomenon that is so vast in its temporality and scale that it is hard to grasp as a traditional 'object', but nonetheless requires urgent and widespread action. We will explore the particular politics and imaginaries associated with past and recent prominent climate movements (Extinction Rebellion, Greta Thunberg, and the School Strikes, for example) whilst examining the various attempts at thinking environment and politics differently that some of these movements embody. The final part of the module will engage with the concepts of ecological anxiety and ecological citizenship. This is a crucial and exciting time to be studying the emerging responses to the climate crisis, as there are so many examples from the world around us, and geographers are especially well placed to explore their tensions and possibilities. This course will help students to develop their 'climate change literacy' and to learn how to navigate and contribute to the complex political worlds of climate science, activism, and agency.	
<b>Module Content:</b> 1. Introduction to the climate crisis 2. Geographies of climate action: Key approaches 3. Geographies of climate action: Emergency politics 4. Geographies of climate action: Anthropocene imaginaries 5. Activism and agency: Climate Justice and Governance 6. Activism and agency: The New Climate Movements 7. Activism and agency: Activism and Agency 8. Ecological distress 9. Ecological citizenship 10. Citizens' assembly	
<b>Intended Learning Outcomes:</b> · Explain key conceptual and theoretical debates in contemporary academic environmental politics and be able to apply those to the world around us; · Critically evaluate key concepts including climate change, nature, activism, imaginaries, narrative, identity, agency, Anthropocene, as well as the relationship between them; · Demonstrate a good awareness of cutting edge debates in the academic fields of cultural and critical geography as well as related debates in fields such as political ecology. · Be able to critically reflect on our own positions in relation to political issues and environmental crises taking place in the world; · Explain how approaches to environmental politics enable and disable different political possibilities in terms of policy and practice.	
<b>Assessment:</b>	Coursework 2 (40%) Coursework 1 (60%)
<b>Assessment Description:</b> Coursework 1 60%: Option 1 - this will require students to undertake a climate action of their choice and to write a reflective report. Option 2 - to imagine a carbon-free 2040 (1500 words) on it.  Online multiple choice questions: 40%.	
<b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort	
<b>Assessment Feedback:</b> Feedback on the Online MCQ will be provided via a recorded video published on Canvas	
<b>Failure Redemption:</b> Projects continual assessments to be redeemed on an essay based on the topic covered by the project.	

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Kimberly Nicholas, Feelings: Tough love from a climate scientist.  
Latour, Bruno author., Porter, Catherine, 1941- translator., Down to earth : politics in the new climatic regime, Polity Press, 2018.ISBN: 9781509530564

**Additional Notes:** Open to visiting and exchange students.

# GEG276 Introduction to Geographic Information Systems

**Credits: 20 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Prof AJ Luckman

**Format:** 11 hours lectures  
22 hours computer lab practicals  
Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Lecture and computer practical

**Module Aims:** A Geographic Information System (GIS) is a computer-based technology for solving problems of a geographical nature – i.e. involving spatial relationships between people, places and objects. It can be applied to a wide range of disciplines within geography and has developed to provide a means to quickly and professionally produce maps from geospatial data. This module provides a basic grounding in GIS from the nature of spatial information, through the use of GIS in social and physical geography contexts, to the application of computers to solving complex geographical problems. Most importantly, it allows hands-on experience in using Quantum GIS (QGIS), the leading open-source GIS software package, and therefore provides a valuable skill for research and the for workplace.

**Module Content:** 1. Module introduction  
2. A digital model of the real world  
3. Comparing raster and vectors data models  
4. Coordinates and geographic reference systems  
5. Geographic presentation and map design  
6. GIS data sources and formats  
7. Digital land surface topography  
8. The Global Positioning System (GPS)  
9. Route-finding in a network  
10. The future of GIS

**Intended Learning Outcomes:** • A broad understanding of the purpose and scope of Geographical Information Systems

- An appreciation of the way in which geographical entities can be represented in a computer
- A critical awareness of the increasing role of GIS in government, commerce and science
- The ability to use QGIS software to explore and analyse a range of geospatial data
- The ability to present geospatial data as a well constructed and functionally complete map
- A basic understanding of GIS-related technologies such as route-finding and GPS
- An appreciation of the future direction of GIS in geography and beyond

**Assessment:** Coursework 1 (20%)  
Coursework 2 (30%)  
Coursework 3 (20%)  
Coursework 4 (30%)

**Assessment Description:** Coursework 1 - Project Figure 1  
Coursework 2 - Project Figure 2  
Coursework 3 - Multiple choice questions  
Coursework 4 - Project Figure 3

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Students will receive feedback on each piece of coursework within 3 weeks of the submission deadline.

Each student will receive individual comments on their work.

The cohort will also receive general feedback in lectures, including an ideal example.

All feedback will be provided online.

**Failure Redemption:** Resubmit failed components.



**Reading List:** QGIS, QGIS Tutorial.

D. Ian Heywood author., Sarah Cornelius author.; Steve Carver author., An introduction to geographical information systems / Ian Heywood, Sarah Cornelius, Steve Carver., Harlow : Pearson Education Limited, 2011.ISBN: 9780273722595

Paul. Longley, Geographic information science & systems / Paul A. Longley, University College London, UK, Michael F. Goodchild, University Of California, Santa Barbara, USA, David J. Maguire, Birmingham City University, UK, and David W. Rhind, City University, London, UK., Hoboken, NJ : Wiley, 2015.ISBN: 9781118676950

Burrough, P. A., author., McDonnell, Rachael, author.; Lloyd, Christopher D., author., Principles of geographical information systems, Oxford University Press, 2015.ISBN: 9780198742845

Christopher B. Jones, Geographical information systems and computer cartography / by Christopher B. Jones., Longman, 1997.ISBN: 9780582044395

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Available to visiting and exchange students.

# GEG277 Geographical Methods and Approaches

**Credits: 20 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr KJ Ficken, Prof SH Doerr, Dr KH Halfacree, Dr JR Jordan, Dr JF Maddern, Dr KG Rees, Dr I Robertson, Dr E Urbanek

**Format:** 11 hours of lectures  
21 hours of workshops (desk based and field based).

Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus. This core module will be delivered through a combination of lectures and practical sessions (including some group work) on Singleton campus and at various local field sites. Students will be able to select from the range of projects that interest them.

## **Module Aims:**

This core 20 credit module introduces the variety of approaches to Human and Physical Geography that exist, providing an overview of the key methods used in the discipline. These paradigms will be introduced and then you are given the opportunity to 'think through' what kinds of methods chime with these geographical approaches. The module introduces key data methods and their theoretical roots, with an opportunity to 'practice' these key methods extended workshops - both desk based and in the field.

## **Module Content:**

This module introduces students to some of the main research methods in currently employed by human and physical geographers, along with research design, philosophical and ethical considerations. The module includes lectures and practical training, and culminates in a research project conducted in small-groups. The syllabus will include:

Research Design lectures;  
Quantitative and Qualitative data lectures;  
Research Ethics lectures;  
Questionnaire surveys practicals;  
Census data and secondary sources;  
The scientific method;  
Physical Geography Field Projects;  
Literature Review Skills.

**Intended Learning Outcomes:**

By the end of this module you should be able to:

Demonstrate an awareness of effective research, including identification of a research question, aims and objectives, a research design and selection of an appropriate research methods.

Exhibit an appreciation of the varying social contexts within which research methods are used in Human Geography and the environmental contexts within which research methods are used in Physical Geography.

Illustrate the ability to evaluate the appropriateness of each method in different research contexts, whether desk or field based.

Evidence the ability to review the literature in a chosen field in order to situate a method within a particular scientific or social science background.

<b>Assessment:</b>	Coursework 1 (50%) Coursework 2 (50%)
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**Assessment Description:**

Coursework 1 Literature review based on a chosen field of study.

Coursework 2 Either Human Geography or Physical Geography projects

<b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort
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<b>Assessment Feedback:</b> Continual assessment feedback is given in writing electronically using a standard rubric and comments box.
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Feedback also to be provided in class through peer evaluation and from the instructor on common strengths and weaknesses.

<b>Failure Redemption:</b> Resit examination or resubmit continual assessment whichever is applicable
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**Reading List:** Editors: Gregory, D., Johnston, R., Pratt, G., Watts, M. & Whatmore, S., *The Dictionary of Human Geography*, Blackwell, 2009. ISBN: 9781405132886

Aitken, Stuart C., editor.; Valentine, Gill, 1965- editor., *Approaches to human geography : philosophies, theories, people and practices*, SAGE Publications Ltd, 2015 - 2015. ISBN: 1446276015

Richard. Peet, *Modern geographical thought / Richard Peet.*, Blackwell, 1998. ISBN: 1557863784

Rob. Kitchin, Nicholas J Tate, *Conducting research in human geography : theory, methodology and practice / Rob Kitchin and Nicholas J. Tate.*, London : Routledge, 2000. ISBN: 1138836737

Tim. Cresswell, *Geographic thought : a critical introduction / Tim Cresswell.*, Chichester, West Sussex, UK : Wiley-Blackwell, 2013. ISBN: 9781405169394

Robin Flowerdew; David Martin 1965 July 18-, *Methods in human geography : a guide for students doing a research project / edited by Robin Flowerdew and David Martin.*, Prentice Hall, 2005. ISBN: 9780582473218

Nicholas Clifford; Meghan Cope; Thomas Gillespie; Shaun French, *Key methods in geography / edited by Nicolas Clifford, Meghan Cope, Thomas Gillespie & Shaun French*, Sage Publications, 2016. ISBN: 9781446298602

Von Benzon, Nadia, editor.; Holton, Mark (Lecturer in human geography) editor.; Wilkinson-Zerner, Catherine, editor.; Wilkinson, Samantha, editor., *Creative methods for human geographers*, SAGE Publications Ltd, 2021 - 2021. ISBN: 1526496984

Angela L Coe, *Geological field techniques / edited by Angela L. Coe ; authors, Angela L. Coe ... [et al.]*., Wiley-Blackwell ; The Open University, 2010. ISBN: 9781444330625

Nicholas Clifford; Meghan Cope; Thomas Gillespie; Shaun French, *Key methods in geography / edited by Nicolas Clifford, Meghan Cope, Thomas Gillespie & Shaun French*, Sage Publications, 2016. ISBN: 9781446298602

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Joseph Holden Prof, author., *An introduction to physical geography and the environment / Joseph Holden.*, Harlow : Pearson Education Limited, 2017. ISBN: 9781292083612

George Mills. Bennison, Paul A Olver; K. A Moseley (Keith Anthony), 1956-, *An introduction to geological structures and maps / George M. Bennison, Paul A. Olver, Keith A. Moseley.*, Hodder Education, 2011. ISBN: 9781444112122

Douglas I. Benn, David J. A Evans, *Glaciers & glaciation / Douglas I. Benn and David J. A. Evans.*, Hodder Arnold, 2010. ISBN: 9780340905791

Stephen J. Gale, Peter G Hoare, *Quaternary sediments : petrographic methods for the study of unlithified rocks / S. J. Gale and P. G. Hoare.*, Blackburn Press, 2011. ISBN: 9781932846256

James H. Speer author, *Fundamentals of tree-ring research / James H. Speer.*, Tucson : University of Arizona Press, 2011. ISBN: 9780816526840

Scott, Andrew C., Bowman, D. M. J. S.; Bond, William J., 1948-; Pyne, Stephen J., 1949-; Alexander, Martin E., *Fire on earth : an introduction*, Wiley Blackwell, 2014. ISBN: 9781119953562

Blunt, A. & Wills, J., *Dissident Geographies: an Introduction to Radical Ideas and Practice*, Longman, 2000. ISBN: 9780582294899

Cresswell, T., *Geographic Thought: a Critical Introduction*, Wiley-Blackwell, 2013. ISBN: 9781405169394

Nayak, A. & Jeffrey, A., *Geographical Thought: an Introduction to Ideas in Human Geography*, Prentice Hall, 2011. ISBN: 9780132228244

Cochrane, K., *The fourth wave of feminism: meet the rebel women*, Guardian 10th December, 2013.

Johnson, L., *Feminist Geography 30 years on - they came, they saw, but did they conquer?*, Blackwell Publishing Ltd, 2012. ISBN: 17455863

Johnston, R. & Sidaway, J., *Geography and Geographers: Anglo-American Human Geography since 1945*, Arnold, 2004. ISBN: 9780340808603

Peet, R., *Modern Geographical Thought*, Blackwell, 1998. ISBN: 9781557863782

Vickery, A., *Mary Wollstonecraft: 'Britain's first feminist'*, BBC, n.d..

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

Not available to visiting and exchange students.

# GEG278 Data Analysis and Dissertation Preparation Skills

**Credits: 20 Session: 2023/24 January-June**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr NJ Felstead, Dr A Closs Stephens, Dr KJ Ficken, Dr J Hiemstra

**Format:** Lectures/practicals: 17 hours  
Dissertation preparation lectures and workshops: 15  
Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

This module is to be delivered through a mixture of lectures, practical sessions and dissertation planning workshops.

**Module Aims:** This module builds upon student knowledge of social research methods and environmental methods (delivered in GEG277) through to the formulation of a dissertation proposal. The module focuses on key dissertation planning and preparation skills delivered in association with the Centre for Academic Success (CAS) such as time management, creative and critical thinking and developing a focus, writing a proposal etc. The module also focuses on qualitative and quantitative data analysis and how to use data effectively in preparedness for a final year dissertation project.

**Module Content:** Introductory / preparatory lecture: the research topic, process and expectations

Formulation of research question, aims, objectives and research design

Selecting and developing your data collection methods / survey / group division of labour

Primary data collection (group fieldwork) / help and advice session

Codifying and sharing of primary data / help and advice session

Quantitative data analysis

Qualitative data analysis

Help and advice session

Production and submission of research report

**Intended Learning Outcomes:** By the end of this module you should be able to:

- Demonstrate an awareness of the considered and structure nature of effective research, including identification of a research question, aims and objectives, a research design and selection of an appropriate research method;
- develop a proposal for a conceptually grounded piece of geographical research in the form of a dissertation proposal;
- Show mastery of a range of suitable techniques for the analysis of quantitative and qualitative data;

**Assessment:** Coursework 1 (40%)  
Coursework 2 (40%)  
Coursework 3 (20%)

**Assessment Description:** Coursework 1: 1 project+1 poster (data analysis focus). 1,500 words plus poster.

Coursework 2: dissertation proposal (with option of formative feedback on first draft). 1,500 words.

Coursework 3 (Data Analysis)

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Individual typed electronic feedback which is formative and summative.

**Failure Redemption:** Resubmit components as required.

**Reading List:** A. J. Parsons author., Peter Knight 1961- author., How to do your dissertation in geography and related disciplines / Tony Parsons and Peter G. Knight., Milton Park, Abingdon, Oxon ; New York, NY : Routledge, 2015.ISBN: 9781317909200

Kimberley A. Peters, Your human geography dissertation : designing, doing, delivering / Kimberley A. Peters., Thousand Oaks, CA : SAGE, 2017.ISBN: 9781446295205

Linneman, Thomas John, author., Social statistics : managing data, conducting analyses, presenting results, Routledge is an imprint of the Taylor & Francis Group, an informa business, 2022.ISBN: 9781032116235

Danny McCarroll author., Simple statistical tests for geography / Danny McCarroll., Boca Raton, FL : CRC Press is an imprint of the Taylor & Francis Group, an Informa business, 2017.ISBN: 9781498758819

Nicholas Clifford; Meghan Cope; Thomas Gillespie; Shaun French, Key methods in geography / edited by Nicolas Clifford, Meghan Cope, Thomas Gillespie & Shaun French, Sage Publications, 2016.ISBN: 9781446298602

Lury, Celia, editor.; Fensham, Rachel, editor.; Heller-Nicholas, Alexandra, editor.; Lammes, Sybille, editor.; Last, Anglea, editor.; Michael, Mike, editor.; Uprichard, Emma, editor., Routledge handbook of interdisciplinary research methods, Routledge is an imprint of the Taylor & Francis Group, an informa business, 2018 - 2018.ISBN: 9781315714523

Stuart Hall 1932-2014.; Open University., Representation : cultural representations and signifying practices / edited by Stuart Hall., Sage in association with the Open University, 1997.ISBN: 9780761954323

Robin Flowerdew; David Martin 1965 July 18-, Methods in human geography : a guide for students doing a research project / edited by Robin Flowerdew and David Martin., Prentice Hall, 2005.ISBN: 9780582473218

Stephen J. Gale, Peter G Hoare, Quaternary sediments : petrographic methods for the study of unlithified rocks / S. J. Gale and P. G. Hoare., Blackburn Press, 2011.ISBN: 9781932846256

Joseph Holden Prof, author., An introduction to physical geography and the environment / Joseph Holden., Harlow : Pearson Education Limited, 2017.ISBN: 9781292083612

Andrew McGregor, Negotiating Nature: Exploring Discourse through Small Group Research, Blackwell Publishing Ltd, 2005-12-01.ISBN: 00040894

Tim Edensor 1957- editor.; Ares Kalandides editor.; Uma Kothari editor., The Routledge handbook of place / edited by Tim Edensor, Ares Kalandides and Uma Kothari., Abingdon, Oxon : Routledge is an imprint of the Taylor & Francis Group, an informa business, 2020.ISBN: 9780429453267

Kaya Barry editor.; Maria Borovnik editor.; Tim Edensor 1957- editor., Weather : spaces, mobilities and affects / edited by Kaya Barry, Maria Borovnik and Tim Edensor., London ; New York, New York : Routledge, 2021.ISBN: 0367808196

Tim Edensor 1957-, Industrial ruins : spaces, aesthetics, and materiality / Tim Edensor., Berg, 2005.ISBN: 9781845200770

Tim Cresswell author., Place : an introduction / Tim Cresswell., Chichester, West Sussex ; Malden, MA : Wiley Blackwell, 2015.ISBN: 9780470655627

Walter Benjamin 1892-1940., One-way street and other writings / Walter Benjamin ; translators, Edmund Jephcott, Kingsley Shorter., Verso, 1985.ISBN: 086091836X

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

This module is not available to visiting or exchange students.

<b>GEG283 Sustainable Land Management</b>	
<b>Credits: 10 Session: 2023/24 September-January</b>	
<b>Pre-requisite Modules:</b>	
<b>Co-requisite Modules:</b>	
<b>Lecturer(s):</b> Dr E Urbanek, Prof SH Doerr	
<b>Format:</b>	lectures, workshops, field visits Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.
<b>Delivery Method:</b> All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus	
The module will be taught, but will include some practical aspects and field visit.	
<b>Module Aims:</b> Sustainable Land Management course focuses on the understanding and maintaining of the environmental values of LAND and SOIL for food production, water quality, flood defence and climate regulation. To understand the Sustainable Land Management the basic understanding of SOIL properties, functions will be introduced followed by the main threads and challenges to soil health connected with climate change and incorrect land management. Case studies of Sustainable Land Management in agriculture, fire prevention and mitigation, peatland restoration and land remediation will be showcased and discussed. The module will contain a series of lectures, workshops and field visit. Students are recommended to sign up to the GEG277 Environmental Research Methods - Soil, but the knowledge from the GEG277 sessions are not essential to complete the module.	
<b>Module Content:</b> 1 (2hrs) Sustainable land management, soil functions 2 (2hrs) Soil components, soil formation, soil classification 3 (2hrs) Soil hydrology; 4 (2hrs) Greenhouse gas emissions from land, Carbon and Nitrogen cycle; 5 (2hrs) Climate change adaptation and mitigation 6 (2hrs) Land degradation and global challenges 7 (2+4hrs) Sustainable land management - agriculture + Field visit to sustainable farm 8 (2hrs) Fire prevention and mitigation 9 (2hrs) Land reclamation, peatland restoration	
<b>Intended Learning Outcomes:</b> On successfully completing this module, students will be able to: - Understand main soil properties and processes occurring in healthy and degraded soils; - Understand and describe key soil functions and ecosystem services; - Describe the main land-related challenges and suggest mitigation strategies to improve soil health and functioning of land; - Recommend sustainable solutions for prevention and mitigation of soil problems related to land mismanagement and climate change.	
<b>Assessment:</b>	Online Multiple Choice Questions (10%) Examination (70%) Online Multiple Choice Questions (10%) Online Multiple Choice Questions (10%)
<b>Assessment Description:</b> 3 x MCQ tests (10% each) following each learning block 1 x Essay exam (70%)	
<b>Moderation approach to main assessment:</b> Moderation by sampling of the cohort	
<b>Assessment Feedback:</b> Written feedback on exam.	
<b>Failure Redemption:</b> Exam resit	
<b>Additional Notes:</b> Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.	
Available to visiting and exchange students.	

# GEL203 Earth history

**Credits: 10 Session: 2023/24 September-January**

**Pre-requisite Modules:**

**Co-requisite Modules:**

**Lecturer(s):** Dr NJ Felstead

**Format:** 18 hours: lectures

**Delivery Method:** Lectures

**Module Aims:** This module will investigate the history of planet Earth with particular emphasis on the fossil evidence. Life appeared very early on Earth, and changes in the oceans, atmosphere and in climate are intimately linked to the evolution of life. Large changes in the fossil record represent major events in Earth's history, including the catastrophic collapse of ecosystems and major radiations of diversity. We will take a journey through the history of the planet, tracking major changes in ecosystems and focussing on the major events, as well as considering the way that the fossil evidence has been used in debates about the way that evolution works.

**Module Content:** The nature of the fossil record

Formation of Earth and Moon and conditions on the early Earth

The origin of life and implications for the chemistry of the atmosphere and oceans

Proterozoic life and the Cambrian explosion of diversity

Ecosystems in the Palaeozoic, Mesozoic and Cenozoic

Major extinction events and the recovery of ecosystems

Vertebrate evolution and the origin of humans

How the fossil record has been used in debates about evolution

**Intended Learning Outcomes:** Overview of the major changes in environments and ecosystems that have occurred on Earth

Understanding of the way that the fossil evidence can be used to interpret ancient environments and ecosystems

Understanding of the contested ways that the fossil evidence has been used in debates about evolution

**Assessment:** Examination 1 (80%)  
In class test (Invigilated on campus) (20%)

**Assessment Description:** Weekly quiz - 20 questions each

Two hour examination comprising short answers and/or multiple choice questions and an essay

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** individual feedback through the tutorial system

**Failure Redemption:** Re-sit the examination



**Reading List:** Benton, Michael J, Cowen's history of life, Wiley, 2020.ISBN: 1119482216  
D. J. Beerling author., The emerald planet : how plants changed Earth's history / David Beerling., Oxford : Oxford University Press, 2007.ISBN: 9780192806024  
Gould, Stephen Jay, Time's arrow, time's cycle : myth and metaphor in the discovery of geological time / Stephen Jay Gould., Penguin, 1987.  
Lovelock, James, The ages of Gaia : a biography of our living Earth / James Lovelock., Oxford University Press, 2000.ISBN: 0192862170  
Nisbet, E. G, Living earth : a short history of life and its home / E.G.Nisbet., Chapman & Hall, 1991.  
Dawkins, Richard, The blind watchmaker : why the evidence of evolution reveals a universe without design / Richard Dawkins ; with a new introduction., Norton, 1996.ISBN: 9780393315707  
Axelrod, Robert M, The evolution of cooperation / Robert Axelrod; foreword by Richard Dawkins., Penguin, 1990.  
Gould, Stephen Jay, Hen's teeth and horse's toes / Stephen Jay Gould., W.W. Norton, 1983.  
Eldredge, Niles, Life pulse : episodes from the story of the fossil record / by Niles Eldredge., Penguin, 1989.  
Gould, Stephen Jay, The panda's thumb : more reflections in natural history / Stephen Jay Gould., Penguin, 1986.  
Eldredge, Niles; Alcosser, Murray, Fossils : the evolution and extinction of species / Niles Eldredge ; photography by Murray Alcosser ; introduction by Stephen Jay Gould., Princeton University Press, 1996.ISBN: 0691026955  
Conway Morris, S. (Simon), The crucible of creation : the Burgess Shale and the rise of animals / Simon Conway Morris., Oxford University Press, 1998.ISBN: 0198502567  
Gould, Stephen Jay, Wonderful life : the Burgess shale and the nature of history / Stephen Jay Gould., Penguin, 1991.ISBN: 0140133801

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

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Available to visiting and exchange students - must be available to sit examination.

# GEL204 Geological Record of Past Environments

**Credits: 10 Session: 2023/24 January-June**

**Pre-requisite Modules:** GEL121

**Co-requisite Modules:**

**Lecturer(s):** Dr KJ Preece, Dr KJ Ficken

**Format:** 10 x 2 hour on campus sessions  
20 hours enquiry-based field course  
Contact Hours will be delivered through a blend of live activities online and on-campus, and may include, for example, lectures, seminars, practical sessions and Academic Mentoring sessions.

**Delivery Method:** All Programmes will employ a blended approach to delivery using the Canvas Digital Learning Platform for live and self-directed online activity, with live and self-directed on-campus activities each week. Students may also have the opportunity to engage with online versions of sessions delivered on-campus

Lectures: on campus.

Coursework: field course (3 days over a weekend).

**Module Aims:** The geological record gives a long-term perspective on environmental and climatic change, including changes that occurred over hundreds of thousands to millions of years. This record, derived from the interpretation of rocks, provides a long-term perspective on the magnitude and extent of environmental changes and their causes.

This module focuses on the reconstruction of environmental parameters from the geological record. Principles and techniques for palaeoenvironmental reconstruction are outlined, with an emphasis on facies analysis and palaeoecology. Sedimentary structures are interpreted in terms of processes of sediment transport, deposition and disturbance. The facies characteristics of major depositional systems are outlined, including deserts, rivers, deltas, the deep sea and volcanoclastic environments.

This module builds on aspects of geology introduced at Year One and provides a long-term perspective on environmental and climatic conditions that complements Earth history and physical geography modules. The module is compulsory for students taking BSc Environmental Geoscience. The module will include lectures and a weekend long field course component.

**Module Content:** Topics include

1. Introduction and overview of sedimentology
2. Physical processes and sedimentary structures
3. Facies analysis and characteristics of deposits from different depositional environments

**Intended Learning Outcomes:** By the end of this module you should be able to:

- explain the concept of sedimentary facies and how this is used to reconstruct depositional palaeoenvironments;
- interpret a range of sedimentary structures in terms of processes of sediment transport, deposition and disturbance;
- recognise the evidence for and roles of different types of events in the sedimentary record;
- describe and interpret the facies characteristics of several depositional environments, including deserts, rivers, deltas, the deep sea and volcanoclastic environments;
- relate facies changes in the rock record to environmental and climatic changes;

**Assessment:** Coursework 1 (50%)  
Examination 1 (50%)

**Assessment Description:** Coursework (50%)  
Examination 1 - June examination (50%)

**Moderation approach to main assessment:** Moderation by sampling of the cohort

**Assessment Feedback:** Students will receive examination feedback after exams. Coursework feedback is given in writing on standard departmental feedback forms.

**Failure Redemption:** Resit examination or resubmit coursework reports, whichever is applicable.

**Reading List:** Gary. Nichols, Sedimentology and stratigraphy / Gary Nichols., Wiley-Blackwell, 2009.ISBN: 9781405135924

Coe, Angela L, Geological field techniques / edited by Angela L. Coe ; authors, Angela L. Coe ... [et al.], Wiley-Blackwell ; The Open University, 2010.ISBN: 9781444330625

J. D. Collinson (John David), author., Nigel P. Mountney 1968- author., Sedimentary structures / John Collinson, Nigel Mountney., Edinburgh : Dunedin Academic Press, 2019.ISBN: 9781780466026

Collinson, J. D. (John David); Mountney, Nigel; Thompson, D. B. (David B.), Sedimentary structures / John Collinson, Nigel Mountney, David Thompson., Terra Pub., 2006.ISBN: 9781903544198

Tucker, Maurice E., Sedimentary rocks in the field : a practical guide / Maurice E. Tucker., Wiley-Blackwell,, 2011.ISBN: 9780470689165

Stow, Dorrik A. V., Sedimentary rocks in the field : a colour guide / Dorrik A.V. Stow., Manson,, 2005.ISBN: 9781874545699

Leeder, M. R., Sedimentology and sedimentary basins : from turbulence to tectonics / Mike Leeder., Wiley-Blackwell,, 2011.ISBN: 9781405177832

Bridge, J. S; Demicco, Robert V, Earth surface processes, landforms and sediment deposits / John Bridge and Robert Demicco., Cambridge University Press, 2008.ISBN: 9780521857802

Reading, H. G., Sedimentary environments : processes, facies, and stratigraphy / edited by H.G. Reading., Blackwell Science,, 1996.ISBN: 0632036273

**Additional Notes:** Delivery of both teaching and assessment will be blended including live and self-directed activities online and on-campus.

This module is compulsory for students enrolled for the BSc Environmental Geoscience degree scheme. This module is not available to visiting or exchange students.