Job Description

Postgraduate Teaching Assistants (PGTA)

Grade:	**6**
Hours:	**Variable depending on the module(s) worked**
Department:	**Geography**
Start Date:	**Spring Term 2021**
Application Deadline:	**12pm, Friday 11th December 2020**

Context / Duties & Responsibilities:

UCL Department of Geography is looking for expressions of interest for a number of Postgraduate Teaching Assistants (PGTAs) roles available in the Spring Term, 2020/21 academic year. PGTAs will be given training in support of their roles.

The purpose of these roles is to support teaching and learning in our modules working with the academic module coordinators. Responsibilities will vary depending on the module but duties may include:

- Leading seminars by designing and preparing teaching material within the overall module framework through the delivery of small group synchronous teaching. This may involve proactively planning delivery of teaching under the guidance of the module tutor/programme director, generating material for tutorials and liaising with other members of the module team to share best practice and ensure consistency.
- Contributing to and maintaining the Moodle online learning facilities including providing assistance to students via forums, chats, FAQ guides, during synchronous teaching sessions, etc.
- Marking formative assessments; generating and providing detailed written and oral feedback for students to ensure they clearly understand what is required of them. You may also respond to academic queries from students.
- You may be required to view pre-recorded lectures and undertake readings associated with the relevant module(s), and/or attend seminars, as agreed with the module tutor/programme director.

PGTAs will also be expected to:

- Attend module-planning meetings and other ad hoc meetings as deemed necessary by the relevant Module Convenor or Head of Department
- Keep attendance registers and mark-books in accordance with institutional and departmental regulations, and upholding confidentiality in regard to student records and marks.
- Complete mandatory training courses that may be required to comply with UCL policy for PGTA. (These may be scheduled before the contract start date.)
- Undertake appropriate development activities to support their teaching practice. UCL's Arena Centre for Research-Based Education offers a scheme for such training and development of PGTAs, called UCL Arena One.

- Actively follow UCL policies, including Equal Opportunities.
- Observe fire and health and safety regulations.
- Carry out any other duties commensurate with the grade and purpose of the post as may be reasonably required by the Head of Department or their deputies.

Please note that appointments and subsequently the number of hours and tutorial classes per PGTA will only be finalised in the first week of January once we have a better sense of student numbers for the 2020/21 academic year.

Under normal circumstances, PGTAs are expected to be able to commit to being present on the Bloomsbury campus during the terms for which teaching is allocated and during the examination period as required. During Covid-19, and when the university is not fully open and teaching taking place remotely, PGTA's place of work may be elsewhere.

Person Specification

The following list gives the pre-requisite skills and attributes necessary for all PGTAs but modules do also require specialised knowledge and/or experience. Please refer to the module list below for specific knowledge and/or experience required.

- Educated to Masters degree level, or have equivalent qualifications or experience, in a field related to the disciplinary area (Essential)
- Working towards a PhD degree in a relevant field (or having recently obtained such a degree) (Essential)
- High level of literacy and numeracy (Essential)
- Excellent working knowledge of MS Office software including Word, Excel, email and the internet (Essential)
- Ability to communicate clearly, both orally and in writing, and build good relationships with students, academic and professional services staff at all levels (Essential)
- Excellent organisational skills and ability to manage time and work to deadlines (Essential)
- Ability to be flexible and to respond to changing priorities in a busy environment (Essential)
- Ability to work independently as part of a team, recognising when advice / input needs to be sought (Essential)
- A high level of accuracy and a keen attention to detail (Essential)
- Strong enthusiasm for delivering high quality teaching across a variety of media, including both virtually and face to face (Essential)
- Commitment to continuous professional development and completion of the UCL Arena One Workshop (either before or after application) (Essential)
- Previous teaching experience (Desirable)
- Proven ability to use Moodle and Blackboard Collaborate or equivalent online learning technologies (Desirable)

The above is not an exhaustive list of responsibilities but covers the main components of the role. The post holder may be asked to carry out other specific tasks and duties as required by the Line Manager, Head of Section or the Head of Department.

How to Apply:

Applications should be sent to Claire Betts (c.betts@ucl.ac.uk) by 12pm, Friday 11th December 2020 and should take the form of a single email consisting of:

- A brief CV (include all contact details)
- Which modules you are most interested in teaching
- Covering letter detailing how you meet the person specification requirements of the role
- Evidence of your right to work in the UK – see Appendix B.

Informal questions about the post and the Department may be directed to Claire Betts, Department Manager (c.betts@ucl.ac.uk). We will aim to contact successful applications w/c 14th December. If you have not heard from us by 8th January then I'm afraid we have not been able to progress your application on this occasion.

Specific knowledge and/or experience required:

Further information on each of the modules is available on the next pages and at: http://www.geog.ucl.ac.uk/current-students/undergraduate/modules and http://www.geog.ucl.ac.uk/admissions/masters/msc-modules/

Please note: the indicative hours of work are the total hours anticipated for the whole term and they are subject to change depending on final student/group numbers. We have given an indicative number now so you have a sense of what is expected. The exact hours of work will be confirmed at the start of January.

Where marking is expected, this is formative marking and there will be hours given for marking and to provide feedback to students. As it's difficult to predict how many student will submit their work, contracts are calculated to include marking (and then the associated feedback time) for 50% of the expected module enrolment. The indicative total hours of work reflects this calculated. If more than 50% of the module enrolment submit their work, an additional payment will be made to ensure PGTAs are not underpaid for the work they have done.

Module		Brief overview of module	Essential skills required	Desirable skills required	Marking & feedback	Indicative <u>total</u> hours of work
GEOG0008	**Environmental Change**	This introductory course deals with changes in environment on a variety of timescales, causes of natural environmental change and impact of people from the last glacial stage up to the present. PGTA tasks are (1) summarising of student queries submitted via hot questions (2) assisting in running of live sessions (3) marking formative essays (one essay per student)	Strong background in physical geography, environmental science or earth science, and at least a general understanding of global environmental change	Understanding of basic moodle fu nctionality	**Yes**	**41**
GEOG0014	**Geography in the Field 2**	This module requires 4 PGTAs for two distinct purposes: <u>PGTA 1 &2:</u> 'Geography in the Field 2' uses London as a means of developing geographical skills, insights and engagement.The aims of this module are to 1) provide initial training in human and physical geography techniques that will be crucial in subsequent modules, 2) provide practical experience of a wide range of data collection and interpretation methods in a variety of settings, and 3) foster both independent and team working skills. <u>PGTA 3 & 4:</u> 'Geography in the Field 2' uses London as a means of developing geographical skills, insights and engagement. One of the practical sessions involves the use of base R to undertaken basic analysis of visualisation of air quality data downloaded from Defra website	<u>PGTA 1 &2:</u> Good general knowledge of different forms of fieldwork and basic data analysis used in Geography, ideally straddling human and physical approaches <u>PGTA 3 & 4:</u> Good general knowledge of R for basic statistical analysis and visualisation of data	<u>PGTA 1 &2:</u> Interest in, or experience of, researching urban issues, especially in relation to London.	**<u>PGTA 1 &2:</u>** **Yes** **<u>PGTA 3 & 4:</u>** **No**	**<u>PGTA 1 &2:</u>** **2 PGTAs required – 29 hours each** **<u>PGTA 3 & 4:</u>** **2 PGTAs required – 5 hours each**

GEOG0021	**Reconstructing Past Environments**	Run 3 coursework help sessions and prepare for these 1. Radiocarbon exercise 2. Diatom data exercise Assist with 2 other seminars	Familiar with C2, Calibor OXACL and pal aeolimnological data	Diatom expertise, Arctic expertise	**Yes**	**28**
GEOG0022	**Environment and Society**	The Convenor is looking for one PGTA to mark all the formative assessment for the module this year. This will be a 1000 word essay under timed 24 hour exam conditions conducted in the 2nd half of term. The module explores key debates in environment and society with three particular foci: business and the environment, constructs of nature, and governance and sustainable development.	Knowledge of environment and society social science debates, especially related to business and the environment, constructs of nature and/or governance and sustainable development.	Experience of marking undergraduate work in geography	**Yes**	**21**
GEOG0027	**Environmental Remote Sensing**	An introduction to remote sensing and environmental modelling, which aims to enable students to make practical use of remote sensing data for topics such as land cover mapping. The module is very practical in nature and assumes no prior understanding of RS, modelling, or the computing required to process data. A range of RS activities are covered: measurement from space sensors; understanding the properties of the data; basic image processing and classification; and using the data in environmental science. Computer based practicals are an integral part of the module and extend the lecture material. There is an extended environmental science practical exercise encouraging links between this and other modules. Practicals from the previous year	Understanding of remote sensing principles, grasp of skills needed for image processing and classification, and familiarity with ENVI or similar remote sensing software packages.	ENVI IDL, Google Earth Engine (GEE)	**No**	**30**

		can be found here: https://github.com/profLewis/GEOG0027				
GEOG0028	**Urban Geography**	We will be running bi-weekly seminars	Students need to have a strong grounding in urban geography (and not only 'critical' urban geography)		**Yes**	**51**
GEOG0029	**Cultural and Historical Geography**	For this module students choose a series of objects from the UCL museums and library special collections to explore a theme of their choice relating to ideas in cultural and historical geography. The course is a series of lectures on themes such as landscape and mapping and course practicals that are created to help the students undertake additional research required for the coursework. There are also seminars on readings from the course.	For this module students choose a series of objects from the UCL museums and library special collections to explore a theme of their choice relating to ideas in cultural and historical geography. The course is a series of lectures on themes such as landscape and mapping and course practicals that are created to help the students undertake additional research required for the coursework. There are also seminars on readings from the course.	An interest in digital archives, museum geographies and / or critical heritage studies.	**Yes**	**37**
GEOG0030	**Geocomputation**	Module introduces spatial analysis (theory and implementation) to 2nd year Undergraduates using GUI GIS (first week) and then programming GIS software (remainder of term). Runs as a practical-based module, with 10 weeks of (traditionally) lectures (1 hour) plus 2	Understanding of spatial analysis, including principles and certain techniques (e.g. point pattern analysis). Good knowledge and	Prior experience/use of a GUI GIS to help explain differences with	**No**	**2 PGTAs required – 22 hours each**

		hour practicals. For this year's online content, practicals will run asynchronously but we will offer weekly 1 hour help sessions (to be run by the PGTAs) in addition to the scheduled fortnightly seminars (to be run by the convenor). All practicals will be using either Desktop R or R Studio Pro Server to complete spatial analysis tasks.	experience using R and R-Studio for (preferably spatial) analysis. Ability to work with students online, using platforms such as MS Teams, to help debug and solve issues with their code.	programming GIS.		
GEOG0031	**Statistics for Environmental Geographers**	The range of discipline-specific skills developed through a geographical education should normally include statistical analyses. This ensures that students and researchers gain the necessary knowledge to develop a deeper understanding of scientific papers read, and research projects carried out. Taking GEOG0031 will ensure students: - Develop an understanding of theoretical concepts commonly used in statistical techniques for environmental scientists • Develop an understanding of when and how to use appropriate statistical techniques • Gain knowledge in a range of statistical software packages • Gain knowledge of univariate and multivariate techniques • Gain knowledge of transfer functions • Gain an understanding in effective data presentation	Knowledge on how to undertake ordinations and interpret results	Transfer functions	**No**	**16**
GEOG0034	**Coastal Geohazards**	This course introduces the fundamental processes that make coasts naturally dynamic, and also covers sea-level rise as a progressive geohazard that emerges from the interplay of climate change and vertical land movements of	Practical/working knowledge of GIS and Matlab	Experience supporting computer practicals	**Yes**	**2 PGTAs required – 20 hours (this role includes marking) & 14**

		both natural and anthropogenic origin. Subsequent sessions cover specific hazards arising from shoreline erosion, storm surges and coastal flooding. This is to cover support in the seminars and computer practical sessions. Just one of the PGTAs will mark the formative assessment. One PGTA will support the practicals before reading week, and the other one the practicals after reading week				**hours (no marking involved).**
GEOG0035	**Environmental GIS**	This module aims to provide an applied introduction to the use of GIS in the environmental sciences. The module covers the underlying concepts of spatial data and their analyses, and offers extensive hands-on experience of GIS as applied to practical problems and research questions in the environmental sciences. The module introduces students to a wide range of published GIS applications.	Practical/working knowledge of GIS	Experience supporting computer practicals	**Yes**	**2 PGTAs required – 19 hours (this role includes marking) & 20 hours (no marking involved).**
GEOG0038	**Managing Fresh Waters in the 21st Century**	his course is concerned with how freshwater, especially lake, ecosystem structure and function is changed by human activity (e.g. eutrophication, acidification, toxic substances) and highlights issues confounding remediation strategies, especially future climate change. It includes a consideration of the legislative framework within which freshwater ecosystems are managed nationally and internationally and is exemplified by case studies. The course aims to explore problems of freshwater ecology and management especially in the context of current	Expertise in rivers and their management	Experience of seminar teaching	**No**	**4**

		national and international policies for ecosystem restoration. The course is delivered via lectures and seminars and we require a PGTA to assist with one of those seminars, on the topic of Lake and River Restoration. The seminar will be run twice in week 8 of Term 2. We will set readings and questions in advance and the PGTA will assist in facilitating a general discussion around these in the seminars with a focus on their knowledge of river ecology and management.				
GEOG0039	**Migration and Transnationalism**	Optional 3rd year undergraduate module. Will involve one week of lecture uploads (covering 2 topics) and one week of live seminars, alternating throughout the term. The PGTA will be responsible for running one of the 4 live sessions, fortnightly.	Some knowledge of issues around migration/transnationalism. Ability to run an engaging participatory online discussion of set readings. Effective communications required to set up classes.		**No**	**15**
GEOG0045	**Overseas Field Class (coursework based)**	Students need to have an understanding of qualitative methods -- and open to the ideas and teaching philosophy of the module	The PGTA needs to be good with people, and they need to be capable of thinking on their feet.		**No**	**25**
GEOG0050	**Overseas Field Class Greece**	See GEOG0166				
GEOG0051	**Mining Social and Geographic Datasets**	This course will provide an in-depth overview of the theoretical foundations, algorithms, systems and tools for mining massive social and geographic datasets, and, more in general, an introduction to the fascinating emerging field of Data Science. The module will also provide practical data science skills for a variety of	Experience working with Python and its libraries: numpy, pandas, matplotlib, seaborn, geopandas and sklearn. Familiarity with quantitative methods	Familiarity with data mining and machine learning knowledge is desirable.	**Yes**	**44**

		application domains. The coursework will be based on a programming project related to the analysis of social and geographic datasets in Python.	such as spatial network analysis, machine learning, sensing and text analysis.			
GEOG0052	**Paleoclimatology**	Module is concerned with past climate and its causes over late Cenozoic. PGTA support is to mark four formative assignments	Good knowledge of palaeoclimate		**Yes**	**11**
GEOG0054	**Postcolonial Geographies of African Development**	The module addresses social, political and economic change in sub-Saharan Africa as seen through the lens of postcolonial theory. It covers a range of topics (colonial legacies, popular culture, the urban hustle, media and community radio, religion and development, the modernity of witchcraft, demographic change, FGM, oil and the resource curse, trade and tariffs) and emphasizes spatial heterogeneity and difference.	• Knowledge of inter-disciplinary African Studies • Ability to run a seminar based on set readings • Ability to grade formative assessment with positive and supportive feedback	Preference for a geographer	**Yes**	**18.5**
GEOG0056	**Geopolitical Events**	This module looks at geopolitics through thinking on the nature of events and via specific examples. This year the course will be in four sections, look at thinking on events; conspiracy theories; inquiries and investigations; and the aesthetic appropriation of events (art, tv, film).	Familiarity with political geography/geopolitics, major world events.	Knowledge of social sciences/humanities thinking on 'the event'.	**Yes**	**14**
GEOG0064	**Global Urbanism**	This course provides an overview at an advanced level of different approaches to global urbanism (e.g. Southern, Regional, Comparative, Planetary Urbanisation). It focusses on several key thematics in global urban studies such as Financialisation, urban development, policy	Excellent knowledge of global urban studies, with expertise and interest in at least one theme covered in the course. Detailed knowledge of at	Ability to edit and manage the course Moodle site (this can be learned during the course).	**Yes**	**40**

		circulation, cities of the black atlantic, planning, informality, sustainability, gentrification/displacement. It usually includes a field trip and we will be developing online immersive experiences and activities to replace that.	least one urban context and region. Interest in and ability to explore and make use of online resources for learning.			
GEOG0067	**Surface Water Modelling**	This module commences with an introduction to hydrodynamic modelling (including numerical schemes, dimensionality, boundary conditions and the construction of computational meshes and grids). A simple 1D tidal model is implemented in Matlab to demonstrate fundamental principles. Hydrological modelling is introduced, with particular reference to catchments and their sensitivity to climate change. A practical session provides hands-on experience of using the MIKE SHE modelling system. Coastal and estuarine circulation modelling modelling is also covered and another practical session takes students through the implementation of a Telemac 2D finite element model of a port facility. The course also covers key issues associated with the provision of boundary condition data and model validation. PGTAs will provide support with sync sessions, check-out/test pre-recorded practicals, and handle email and bookable (via MS Bookins / Teams) Q&A for computer support relating to the technical computing (linux, matlab, telemac, MIKE-SHE)	Practical/working knowledge of Matlab, Telemac2D, and MIKE SHE	Experience supporting computer practicals	**Yes**	**2 PGTAs required – 21 hours (this role includes marking) & 20 hours (no marking involved).**

GEOG0086	**Advanced Geopolitics**	This course looks at how geopolitical issues are constituted as matters of public and political concern, focusing mostly on the UK and where possible on London. The PGTA will provide formative feedback on a short (1000 words) essay submitted during reading week.	Broad knowledge of political geography/geopolitics.	Broad interest in urban geopolitics, security, policing, protest.	**Yes**	**13**
GEOG0099	**Cities and Climate Change**	This module aims at having an interdisciplinary dialogue between physical and human geographers around the intersection of Cities and Climate Change. By necessity it must also introduce both topics to the other discipline. The module brings in several practitioners, who are involved in delivering and researching how cities respond to climate change.	A broad academic background, so that you can understand where both MSc cohorts are coming from. Some familiarity with either Cities or Climate Change Facilitating seminars in Zoom and/or Teams	Knowledge of Microsoft Sway. Experience of life in different cities	**No**	**36**
GEOG0101	**Ocean Circulation and Climate Change**	Module teaches the major features of the global ocean, how circulation has changed in the late Quaternary, and what changes are happening now and are likely in the future. The course is heavily based around literature reading and subsequent discussion activities – many of which are held as various types of breakout groups. PGTA support is needed to help with online discussion sessions, especially when breakout groups are held, to ensure individual groups get the support needed	Good knowledge of oceanography and role of ocean in late Quaternary climate change. Good skills at explaining complex ideas, and teaching how to review and critique scientific literature.	Enthusiastic and good communicator	**Yes**	**22**
GEOG0112	**Climate Change Impacts to Hydro-Ecological Systems**	Module teaching is based on seminar-lectures (4 x 2 hours + 2 x 2 hour practical seminar that involves a computer lab of computational	Familiarity with climate change and climate change impacts;	Familiarity with and experience using climate	**Yes**	**32**

		methods); synchronous sessions are proposed for 4 topics and 2 computer labs,	computational abilities in MSExcel including basic statistics	projections from GCMs/ESMs/RCMs; computational abilities in R code, MATLAB or Python		
GEOG0113	**Terrestrial Carbon: Modelling and Monitoring**	The Terrestrial Carbon: modelling and monitoring module aims: To outline the role of vegetation in the carbon cycle and the wider climate systemTo outline how the vegetation carbon cycle can be modelled and use the models in predictionTo provide the linkages between the models and remote sensing observations (radiative transfer)To enable the students to use remote sensing (and other) data to constrain, test and criticise the models To expose the students to modern statistical methods in combining data and models	Basic understanding of climate/terrestrial carbon; Python		**No**	**25**
GEOG0121	**Climate Modelling**	This module revolves around the analysis of climate model output. It will be based on a JupyterHub for practicals with Moodle for supporting lectures. All scripting in Python or point'n'click with Panoply for netcdf files.	Python. Zoom.	Knowledge of climate models. Supervision experience	**Yes**	**51**
GEOG0123	**Climate Proxies**	Module is concerned with methods for climate reconstruction using climate proxies.	Knowledge of past climate proxies used in EITHER marine (PGTA1) or non-marine (PGTA2) settings. However, a suitably-qualified person could cover both roles.		**No**	**Total of 16 hours available – this may be split equally across 2 PGTAs**

						depending on knowledge & experience of applicants
GEOG0125	**Advanced Topics in Social Data Science**	The module will cover advanced methods for social and geographic data science problems. In particular, the module will cover key concepts and methodologies from a variety of fields, including deep learning in geographical analysis, and spatial databases and web visualisation to solve social and geographical problems.	Experience working with Python and its libraries: numpy, pandas, matplotlib, seaborn, geop andas, PyTorch and sklear n. Familiarity with quantitative methods such as statistics and machine learning.	Familiarity with deep learning, geodatabases, web visualisation.	**Yes**	**33**
GEOG0128	**Issues in Global Migration**	Core module for MSc Global Migration with ten 'migration issues' addressed by multiple inter-disciplinary scholars from UCL connected to the MRU. Each topic has a live seminar led by a member of academic staff. The PGTA's role is to prepare students for that seminar by running a session in advance of the seminar focused on the required reading.	Knowledge of inter-disciplinary Migration Studies. Ability to run an engaging participatory online discussion of set readings. Effective communications required to set up classes.		**No**	**27**
GEOG0140	**Urban Practices**	his module is a core module for MSc Urban Studies in term 2. It explores and experiments with multiple ways in which urban issues, problems and experiences are identified and addressed in practice. A series of invited speakers lead seminars outlining and reflecting on the practices they adopt. This year we have a focus on 'emergency urbanism'. The module involves students working in small groups of 3 or 4 developing a project that responds to the theme from a practice-based perspective. Given the unconventional nature of the course, and the	i) Close familiarity with urban theory and debates on cities and urbanization. ii) Comfortable exploring relations between urban theory and professional practice, and engaging with the challenge of putting academic ideas to work on 'real-life' urban issues iii) Confidence in advising students and	Some experience with approaches and understandings around 'emergency urbanism'	**No**	**2 PGTAs required – 25 hours each**

		demands of liaising with group members and external practitioners, a strong level of PGTA support is required. Two PGTAs will be required to run weekly sessions with these small student groups to discuss how they develop their engagement with their projects and formulate a particular and distinctive response.	helping to support them on term-long group projects			
GEOG0150	**Space and Society**	This is a foundational course for First Year Geography students, which introduces them to key ideas about Space in relation to selected themes. This year these will include: migration, segregation, climate change, global responsibility.	A sound understanding of different geographical approaches to the concept, "space", including a good understanding of Doreen Massey, David Harvey, Materialities pers pectives (ANT), and some basic working knowledge of (or willingness to familiarise yourself with) Henri Lefebvre's approach as outlined in the Production of Space. Knowledge about at least one of the empirical course themes would also be necessary. Experience with encouraging student participation in small groups and presenting short verbal input to initiate discussion.	The ability to bring forward resources for the course Moodle site, and to edit and update the Moodle site will be helpful. These skills will need to be developed during the course.	**Yes**	**40**

GEOG0152	**Introduction to Citizen Science and Scientific Crowdsourcing**	This course aim is to introduce students to the theory and practice of citizen science and scientific crowdsourcing. Citizen science is the participation of members of the public in a scientific research project, including the engagement of a very large group of people in the creation of new scientific knowledge by using online tools (crowdsourcing). By taking the module, students will explore the history, theoretical foundations, and practical aspects of designing and running citizen science projects. The course is based on taking part in different citizen science activities and experiencing them and sharing information with other students. There is also a part that is dedicated to the development of an app using the Sapelli software.	Some familiarity with citizen science; willingness to try and work with projects across different scientific domains	Familiarity with Sapelli and Sapelli designer; Familiarity with Moodle and UCL eXtend; Experience in participation in citizen science projects	**No**	**30**
GEOG0155	**Social Science Research: Methodologies and Methods**	GEOG0155 provides human geography MSc students with an introduction to key quantitative social science research methods. The course begins by outlining the steps needed to design a successful piece of quantitative research. We then move on to cover key quantitative methods including t-tests, correlation, regression and the use of GIS and geospatial analysis methods (e.g. tests of spatial autocorrelation). PGTA activities will involve supporting the course convenor by holding computational support office hours and monitoring an RStudio problems forum.	Experience working with RStudio Familiarity with quantitative methods such as multiple regression and use of GIS.	Prior teaching experience with RStudio.	**No**	**30**

GEOG0162	**Cartography and Data Visualisation**	Maps and data visualisations play a major role in the way we conceive, interpret and communicate the ever more diverse and complex forms of data collected about the planet. This module will equip students with an in-depth knowledge of the principles of good visualisation and enable them to deploy complex cartographical techniques in the creation of sophisticated maps and graphics.	GIS/ Mapping (ArcGIS/ QGIS), programming (ideally R, but Python is acceptable)	Inkscape, Adobe Illustrator	**No**	**44**
GEOG0166	**Reading the Mediterranean Landscape**	The module focuses on aspects of Mediterranean environments (geology, geomorphology, past and present climate, plant ecology, vegetation, and land-use practices), with particular reference to the island of Lesvos. Our overall ambition is to develop an appreciation of how physical, biological and cultural forces combine over time to shape an area of land. In this sense, the aim is no less than to transform the way we look at nature. GEOG0166 represents the conversion of the Greece Fieldclass GEOG0050 to an online module	Having taken GEOG0050 previously	Or GEOG0120 or GEOG0052 and a good knowledge of climate and ecology	**Yes**	**2 PGTAs required – 18 hours each**
GEOG0169	**Political Geographies of Gibraltar**	This is a small module with synchronous teaching every week. The PGTA for the module will be responsible for giving a lecture on content TBD and for providing formative feedback on student coursework essays over the course of the term.	The ability to provide a synchronous lecture online; ability to assist students with essay planning and writing.	Spanish language skills; knowledge of Gibraltar	**Yes**	**9**