

**BSc Geography (Human and Physical)  
For students entering Part 1 in 2015/6**

**UCAS code: F841**

Awarding Institution:	University of Reading
Teaching Institution:	University of Reading
Relevant QAA subject Benchmarking group(s):	Geography
Faculty:	Science Faculty
Programme length:	3 years
Date of specification:	23/Nov/2015
Programme Director:	Dr Hazel McGoff
Programme Advisor:	
Board of Studies:	Geography and Environmental Science
Accreditation:	None

**Summary of programme aims**

The programme aims to provide undergraduate students with both subject-specific knowledge and general skills. It aims:

- To give students a thorough insight into the importance of a geographic perspective on human and physical processes, including the manner in which these processes operate at global, regional and local scales
- To impart knowledge of the theory and practice of human and physical geography, together with an ability to integrate their perspectives
- To encourage students to make appropriate use of theories and research findings from the physical and social sciences in understanding spatial phenomena
- To develop students' skills in applying theoretical concepts, knowledge and philosophies to the understanding of particular environments, spatial differences and to decision-making
- To develop an understanding of the interaction between various types of social and economic processes in urban, regional and international systems
- To develop understanding through fieldwork and other forms of experiential learning
- To develop skills in how to interpret, analyse and tackle geographical issues
- To develop interdisciplinary aspects of knowledge
- To promote students' ability to engage in lifelong learning.

**Transferable skills**

During the course of their studies at Reading, all students will be expected to enhance their academic and personal transferable skills. In following this programme, students will have had the opportunity to develop such skills, in particular relating to communication, interpersonal skills, learning skills, numeracy, self-management, use of IT and problem solving and will have been encouraged to further develop and enhance the full set of skills through a variety of opportunities available outside their curriculum.

By the end of the programme students also should have acquired: critical and analytical skills; a basic competence in empirical research; an ability to place issues in a wider context, to make connections between apparently disparate events and issues, and to handle alternative ways of understanding particular situations; an ability to relate theoretical knowledge and ideas to practical situations; writing, reasoning, verbal and presentation skills, and specific technical skills, such as computing, word-processing and statistics.

**Programme content**

The profile which follows states which modules are compulsory, together with lists of optional modules from which the student must make a selection in consultation with their programme adviser. Students must take a combination of compulsory and optional modules making a total of 120 credits in each Part of the programme. The number of credits for each module is shown after its title. At Part 1 students may take all their modules in Geography or opt to take modules in other departments. In Part 2 students take a combination of core compulsory and optional modules. Part 3 students write a dissertation (40 credits) and select from a list of approved modules. The actual list of modules available may vary from year to year according to staffing.

**Part 1 (three terms)**

*Compulsory modules*

Code	Module Title	Credits	Level
GV1TGE	Techniques in Geography & Environmental Science	20	4
GV1HPP	Human Geography: Principles & Practice	20	4
GV1FHG	Foundation in Human Geography	20	4

Core modules (you must take a minimum of 40 credits from this group)

GV1C	Climatology	10	4
GV1D	Hydrology	10	4
GV1GS	Geomorphology	10	4
GV1EI	Environmental Issues	10	4
GV1BGE	Biogeography & Ecology	10	4
GV1QS	Introduction to Quaternary Science	10	4

Optional modules (you must take between 0 and 20 credits from this group)

RE1SPGW	Sustainability and Prosperity in a Globalising World	10	4
Environmental and Earth Science			
GV1B1	Introduction to Environmental Science	10	4
GV1DE	Our Dynamic Earth	10	4
GV1E1	Soils in the Environment	10	4
Agriculture and Policy Development			
AP1AE20	Humans & the Environment	10	4
AP1A02	Introduction to Agriculture & Food Systems	10	4
AP1ID2	International Development: Global & Local Issues	10	4
AP1EE3	Economics 1	10	4
AP1SB1	Introduction to Management	10	4
Economics			
EC107	Introduction to Economic Institutions & Policy	10	4
EC110	The Economics of Climate Change	10	4
Languages			
LA1XX1	IWLP: Various Languages	20	4

Alternatively, you may take up to 20 credits of other modules in the University, subject to availability and approval of the Programme Advisor.

## Part 2 (three terms)

Compulsory modules

*Either*

GV2FCA	Geography & Environmental Science Field Class 1	20	5
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*Or*

GV2FCC	Geography & Environmental Science Field Class 2	20	5
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*Or*

GV2FCN	Geography & Environmental Science Field Class 3	20	5
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*Or*

GV2FCB	Geography & Environmental Science Field Class 4	20	5
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*And*

*Either*

GV2RTS	Research Techniques in Geography & Environmental Science	20	5
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*Or*

GV2LCC	Loddon Catchment Consultancy	20	5
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And take a minimum of 20 credits and a maximum of 40 credits from:

GV2WP	Web Page Development	10	5
GV2SDA	Spatial Data in the Digital Age	10	5
GV2P5	Excel Data Management and Analysis	10	5
GV2MES	Monitoring the Earth from Space	10	5

And take a minimum of 20 credits and a maximum of 50 credits from:

GV2P1	Geomorphological Hazards	10	5
GV2HY	Hydrological Processes	10	5
GV2ER	Energy Resources	10	5
GV2BC	Biogeography and Conservation	10	5
GV2QPE	Quaternary Palaeoecology	10	5

And take a minimum of 20 credits and a maximum of 40 credits from:

GV2H1	Geographies of Development	10	5
GV2GRO	Growth, Degrowth and Sustainability	10	5
GV2EGS	Environment Governance for Sustainable Development	10	5
GV2CIP	Culture, Identity and Place	10	5
GV2BC	Biogeography and Conservation	10	5

And take a minimum of 0 credits and a maximum of 20 credits from:

AR2S1	Archaeological Science	20	5
AP2A26	Forestry & Woodlands	10	5
AP2A56	Grassland Management & Ecology	10	5
AP2AE45	Methods in Ecology & Environmental Management	20	5
AP2A59	Nature Conservation	10	5
BI2BN4	Vertebrate Zoology: Structure, Form and Function	10	5
BI2EE4	Evolutionary Biology	10	5
BI2E14	Invertebrate Zoology	10	5
BI2EN5	Animal Behaviour	10	5
EC238	Economics of Social Policy	20	5
BI2EY5	Birds: Diversity, Behaviour and Conservation	10	5
GV2F4	Soil Ecology & Functions	10	5
GV2M5	Quaternary Global Climate Change	20	5
LA1XX1	IWLP Language Programme	20	5
MM270	Practice of Entrepreneurship	20	5

Alternatively, with the permission of the programme director, students are permitted to select a maximum of 20 credits from modules which are available across the University.

### Part 3 (three terms)

#### *Compulsory modules*

#### *Compulsory module*

GV3GED	Geography and Environmental Science Dissertation	40	6
<i>Or</i>			
GV3DSA	Dissertation (Study Abroad)	40	6

If GV3GED is selected, students are required to select as follows:

A minimum of 20 credits and a maximum of 60 credits from:

GV3RSD	Resilience for Sustainable Development	20	6
GV3NRR	Neighbourhood Renewal and Regeneration	20	6
GV3CPJ	International Climate Politics and Justice	20	6
GV3CGS	Consumption, Globalisation and Sustainability	20	6
GV344	Culture & Development in Africa	20	6
GV321	Work, Employment and Development	20	6
GV3EDL	Environment & Development in Latin America	20	6

A minimum of 20 credits and a maximum of 60 credits from:

GV344	Glacial & Periglacial Geomorphology	20	6
GV362	Water Resources	20	6
GV3AP	Air Pollution: Effects and Control	20	6
GV3CC	Climate Change	20	6
GV3DLE	Dryland Environments	20	6
GV3ESM	Ecosystems Modelling	20	6
GV3MBFC	Mediterranean Biogeography Field Class	20	6
GV3PFF	Preparing for Floods	20	6
GV3TRC	Tropical Rainforests, Climate and Lost Civilisations	20	6

Students are also permitted to select a minimum of 0 credits and a maximum of 40 credits from:

GV3F8	Applied & Environmental Soil Microbiology	10	6
GV317	Carbon & Global Change	10	6

GV3GEP	Geography & Environmental Science Literature Project	10	6
AR3S16	Holocene Climate Change and Human Society	20	6
AP3A89	Water, Agriculture and Irrigation	10	6
AP3A90	Climate Change and Food Systems	10	6
AP3A99	Plants, Green Space and Sustainability	10	6
AP3AE70	Environmental Management in Practice	10	6
AP3AE75	Wildlife & Farming	10	6
BI3EF7	Urban Ecology	10	6
BI3EJ8	Conservation Biology	10	6
BI3EM7	Plants, Animals & Climate Change	10	6

GV3ER1	Erasmus Exchange Programme	20	6
GV3ER2	Erasmus Exchange Programme	20	6
GV3ER3	Erasmus Exchange Programme	20	6
GV3ER4	Erasmus Exchange Programme	20	6

A minimum and a maximum of 20 credits from:

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GV3CPI	International Climate Politics and Justice	20	6
GV3CGS	Consumption, Globalisation and Sustainability	20	6
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GV3MBFC	Mediterranean Biogeography Field Class	20	6
GV3PFF	Preparing for Floods	20	6
GV3TRC	Tropical Rainforests: Climate & Lost Civilisations	20	6

Alternatively, you may take up to 20 credits of other modules in the University, subject to availability and following consultation with the Programme Advisor. This includes the Institution-Wide Language Programme.

### Progression requirements

To gain a threshold performance at Part 1, a student shall normally be required to achieve an average of 40% over 120 credits taken in Part 1, and a mark of at least 30% in individual modules amounting to not less than 100 credits.

To be considered to have a threshold performance at Part 2, a student will normally be required to:

- Achieve an overall average of 40% over 120 credits taken in Part 2; and
- Achieve a mark of at least 30% in individual modules amounting to not less than 100 credits taken in Part 2.

### Summary of Teaching and Assessment

The University's honours classification scheme is:

<i>Mark</i>	<i>Interpretation</i>
70% - 100%	First class
60% - 69%	Upper Second class
50% - 59%	Lower Second class
40% - 49%	Third class
35% - 39%	Below Honours Standard
0% - 34%	Fail

For the University-wide framework for classification, which includes details of the classification method, please see: [www.reading.ac.uk/internal/exams/Policies/exa-class.aspx](http://www.reading.ac.uk/internal/exams/Policies/exa-class.aspx)

The weighting of the Parts / Years in the calculation of the degree classification is:

### **Three-year programmes**

Part 2 one-third

Part 3 two-thirds

There are a whole variety of teaching and assessment methods used in the degree programme modules. A typical module would involve lectures and either seminars or practicals. Many of the modules are assessed with some continuous assessment and a written exam. However, a number of modules are examined totally by continuous assessment or totally by a written exam.

### **Admission requirements**

Entrants to this programme are normally required to have obtained:

Grade C or better in English Language and Mathematics in GCSE/O Level

ABB from three A levels including Geography

Total points must include at least 2 A2 passes.

Total points exclude Key Skills and General Studies.

International Baccalaureate: 31 points including 6 in Geography

Irish Highers: BBBB

We welcome deferred-entry applications from those wanting to take a gap year between school and university, and from mature students and students with special needs, for whom we may take a broader view of entry requirements. For those with special needs we are happy, when necessary, to take a flexible approach to field-work and practical work requirements, and to make appropriate arrangements for note taking and examinations.

**Admissions Tutor:** Dr G Griffiths

### **Support for students and their learning**

University support for students and their learning falls into two categories. Learning support is provided by a wide array of services across the University, including: the University Library, the Careers, Placement and Experience Centre (CPEC), In-sessional English Support Programme, the Study Advice and Mathematics Support Centre teams, IT Services and the Student Access to Independent Learning (S@il) computer-based teaching and learning facilities. There are language laboratory facilities both for those students studying on a language degree and for those taking modules offered by the Institution-wide Language Programme. Student guidance and welfare support is provided by Personal Tutors, School Senior Tutors, the Students' Union, the Medical Practice and advisers in the Student Services Centre. The Student Services Centre is housed in the Carrington Building and offers advice on accommodation, careers, disability, finance, and wellbeing, academic issues (eg problems with module selection) and exam related queries. Students can get key information and guidance from the team of Helpdesk Advisers, or make an appointment with a specialist adviser; Student Services also offer drop-in sessions and runs workshops and seminars on a range of topics. For more information see [www.reading.ac.uk/student](http://www.reading.ac.uk/student)

### **Career learning**

#### **Career prospects**

A Reading geography degree is designed to assist graduate employment in three ways:

Firstly, it provides a basis for employment in fields directly or indirectly related to the content of the degree course, though this often involves a post-graduate qualification. Examples are jobs in teaching (in universities,

colleges, schools and field centres), regional and economic planning, computing, transport management, conservation, land evaluation, civil engineering.

Secondly, a Reading geography degree enhances employment prospects because of the rigorous academic training regardless of the subject matter. Again, most other jobs usually involve further (in-service) training. Examples of such careers include insurance, banking, accountancy, civil service, armed forces and commercial management.

Thirdly, employers are attracted by the impressive quantitative/numeracy skills acquired in the degree programme, together with their experiences in computer usage, field projects (at home and abroad) and the planning/execution of the major dissertation research programme. Employers are seeking the flexible, skilled and adaptable geography graduates produced at Reading.

### **Opportunities for study abroad**

As part of the degree programme students have the opportunity to study abroad at an institution with which the University has a valid agreement.

As part of the Part 3 programme, students can spend one term, either term 7 or term 8, studying at a European University under the ERASMUS exchange scheme. Study undertaken abroad substitutes for study in Reading.

There is a well-established and active programme in Human Geography with the University of Groningen, The Netherlands. There are Physical Geography links with the University of Aarhus (Denmark).

The Erasmus programmes are co-ordinated by Dr S Lloyd-Evans.

This degree programme offers placement opportunities for students. Additionally, we support those who wish to arrange placements of their own. Established opportunities include the University of Reading UROP schemes, where students work alongside research staff during the summer vacation. Students also act as Community Service Volunteers, as Royal Geographical Society Geography Ambassadors, have visited local schools as part of the AIM Higher scheme. In collaboration with the Student Employment, Experience and Careers Centre, we support students who wish to arrange their own placements at all points in their degree programme. This includes prospective graduate employers, such as industry, schools, local authorities and voluntary sector organisations. It is also possible to use the ERASMUS European exchange scheme to undertake a work placement in another European country. Students may draw directly on staff contacts, or call upon knowledge of possible opportunities, gained by working with similar organisations. Students are encouraged to incorporate their placements into their undergraduate dissertations where appropriate.

### **Placement opportunities**

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### **Programme Outcomes**

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas:

## Knowledge and Understanding

### A. Knowledge and understanding of:

1. Processes, concepts and techniques in human and physical geography
2. The nature of change and the significance of spatial relationships within human and physical environments
3. Fundamental concepts of human geography such as environment, place, spatial variation, and representation of landscape and environment
4. Fundamental concepts of physical geography, such as processes operating in the atmosphere, hydrosphere, lithosphere, pedosphere and biosphere
5. Geographic perspectives on social and physical processes and their interaction at global, regional and local scales.
6. The main methodological strategies used in the analysis of geographical information
7. The application of geographical concepts, techniques and expertise to problem solving.

### Teaching/learning methods and strategies

Most of the knowledge required for the basic topics is discussed in formal lectures supported by smaller group discussions and practicals

At Part 2 knowledge is also gained through a 1-week fieldclass and practical work.

In Part 3 the specialised option modules include writing detailed assessments of set topics, making oral presentations and joining in group discussion.

#### *Assessment*

Most knowledge is tested through a combination of coursework and unseen formal examinations. Oral presentations also contribute.

## Skills and other attributes

### B. Intellectual skills - able to:

1. Think logically
2. Develop a reasoned argument
3. Organise tasks into a structured form
4. Abstract and synthesise information
5. Critically judge and evaluate evidence
6. Assess the merits of contrasting theories, explanations and policies
7. Transfer appropriate techniques and knowledge from one subject area to another
8. Organise and reflect upon their own learning
9. Recognise the moral and ethical issues involved in academic and policy debates.

### Teaching/learning methods and strategies

The need to think logically and analytically permeates the compulsory modules in the course. Skills 2-7 are developed in essay writing, and continuously assessed project work and the dissertation. 8 is developed throughout the entire programme. 9 is developed both in discussion groups, readings and written work.

The more specialist topics provide many opportunities to apply and develop these skills through the analysis of a range of problems in a wide variety of contexts.

#### *Assessment*

1-6 are covered extensively in the core modules; 7-9 are given wide scope in the optional modules.

### C. Practical skills - able to:

1. Present a chain of reasoning
2. Apply theoretical concepts and knowledge to the understanding of particular environments and spatial differences and to decision-making
3. Analyse geographic problems using a variety of techniques and principles
4. Evaluate policies from a geographic standpoint
5. Communicate both orally and in writing critical analysis of geographic and environmental issues
6. Plan, organise and write a report on an independent project
7. Plan and undertake field surveys
8. Analyse data gathered from the field and be

### Teaching/learning methods and strategies

Modules concentrate on formal geographic reasoning. Problem solving forms an important part of class work.

In geography the ability to use all these skills is developed through essay writing, practicals, field work and small group discussions.

The assessed work in the specialised options involves writing detailed assessments of set topics.

#### *Assessment*

All skills are tested through a combination of

aware of its limitations

coursework, including both problem solving and essays, and through unseen examinations. 6 is assessed directly by means of the large number of essays prepared in Parts 1, 2 and 3. It is also assessed in Part 2 projects and the Dissertation.

**D. Transferable skills - able to:**

1. Use IT (word-processing, spreadsheets databases, email and www))
2. Apply skills of numeracy, graphicity and computation to data analysis
3. Communicate ideas in a logical way in both writing and speech
4. Give oral presentations
5. Contribute to group discussions of a geographic problem
6. Use library resources both on- and off-line
7. Manage time
8. Plan career strategy.

**Teaching/learning methods and strategies**

The use of IT is initiated in the Part 1 IT and Statistics module and further developed in the Part 2 Geographical Techniques module. Word processing is required throughout the degree programme. Seminars in Parts 2 and 3 involve group discussions and oral presentations. Part 2 work includes preparation of group projects. Library and internet resources have to be used continuously in the preparation of essays and project work.

The highly structured system of deadlines for assessed work requires good time management. Career planning is taught through a Part 2 Career Management Skills course with lectures and self paced computer-based assignments. Also, one-to-one meetings with career staff can be arranged.

*Assessment*

IT skills are assessed directly at Part 1. Most skills are tested indirectly through the preparation of course and project work.

**Please note - This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in the module description and in the programme handbook. The University reserves the right to modify this specification in unforeseen circumstances, or where the process of academic development and feedback from students, quality assurance process or external sources, such as professional bodies, requires a change to be made. In such circumstances, a revised specification will be issued.**