BSc (Hons) Environmental Science

Awarding institution	Bath Spa University
Teaching institution	Bath Spa University
School	School of Sciences
Department	Biology
Main campus	Newton Park
Other sites of delivery	Field sites as appropriate
Other Schools involved in delivery	None
Name of award(s)	**Environmental Science**
Qualification (final award)	BSc (Hons)
Intermediate awards available	CertHE, DipHE
Routes available	Single Honours
Professional Placement Year	Optional
Duration of award	3 years full-time (4 years with Professional Placement Year) 6 years part time
Modes of delivery offered	Campus-based
Regulatory Scheme [1]	Undergraduate Academic Framework
Exemptions from regulations/framework[2]	N/A

Professional, Statutory and Regulatory Body accreditation	N/A
Date of most recent PSRB approval (month and year)	N/A
Renewal of PSRB approval due (month and year)	N/A
UCAS code	F900
Route code (SITS)	EVSPJ
Relevant QAA Subject Benchmark Statements (including date of publication)	Earth Sciences, Environmental Sciences and Environmental Studies (March 2022) Biosciences (March 2023)
Date of most recent approval	June 2020
Date specification last updated	January 2024

[1] This should also be read in conjunction with the University's Qualifications Framework

[2] See section on 'Exemptions'

Exemptions

There are no exemptions

Programme Overview

Pollution, sea level rise, habitat destruction, flooding, loss of biodiversity, climate change ... arguably, there has never been a more pressing need to understand the environment and particularly the way humans affect it.

Building upon a thorough grounding in essential aspects of the subject in the first year, BSc (Hons) Environmental Science provides an excellent combination of the theory and practical application of important and topical aspects of Environmental Science. By appropriate mixing-and-matching of modules at all three years of the programme you can tailor-make a course that suits your own interests or career aspirations. Potential areas of specialisation include – but are not limited to – aquatic environments, ecological assessment, science communication, Earth systems, and environmental management. Such specialisation is accompanied by abundant opportunities to develop the practical aspects of the subject with laboratory and fieldwork on site and residential trips further afield.

During the course you will address real-life issues such as climate change, sustainability, conservation of biodiversity, environmental management, energy use, wastes management, environmental law, and protection and management of natural systems. Importantly, an Environmental Science education not only equips you for careers in the environmental sector, it also provides you with an excellent suite of skills that are highly prized by employers in many other areas of graduate employment.

In summary: The programme gives you the opportunity to acquire knowledge, understanding and practical skills of Environmental Science, together with the specialised skills related to one or more sub-areas of the subject, in ways that enhance your intellectual development and your career options, particularly those with an environmental focus.

Programme Aims

1. deliver a challenging, motivating and broad-based programme whereby you develop an informed understanding and awareness of the environment including knowledge of the relationships between concepts, evidence and practice
2. enable you to understand the major environmental factors that influence distribution in the biological world, govern processes and patterns of landform and physical evolution and interact with aspects of human organisation, society, and practices
3. deliver a programme in which you develop competence in intellectual and practical methodologies of environmental science, including collection, evaluation, analysis and interpretation of biological and geographic data/information along with appropriate verbal and written communication skills, and which enables you to focus on a specialised area of the subject via a required Dissertation
4. enable the acquisition of transferable and specialist skills, knowledge and experience in order to prepare you for employment in a wide range of contexts within environmental science or for postgraduate study
5. instil an enthusiasm for the subject and enhance your capacity to learn and to develop intellectual potential and critical analytical skills that will enable you to engage with life-long learning, be effective, contributing and adaptable members of society, and to appreciate the value of education
6. encourage you to think global and act local as effective, innovative and adaptable members of a global society
7. give you knowledge of contemporary developments in environmental science at local, national and international levels
8. improve your career opportunities by encouraging engagement with external organisations to include volunteer and placement work, both locally and internationally, and to instil professional codes of conduct and ethics

Programme Intended Learning Outcomes (ILOs)

A Subject-Specific Skills and Knowledge

	Programme Intended Learning Outcomes (ILOs) **On Achieving Level 6**	**On Achieving Level 5**	**On Achieving Level 4**
A1	Systematic and conceptual understanding of key aspects of the discipline to devise and sustain arguments, and/or to solve problems, using ideas and techniques, some of which are at the forefront of the discipline, and to describe and comment	Critical understanding of fundamental processes in the discipline and the relationship between physical, biological and human aspects of the environment.	Sound knowledge of fundamental processes in the discipline and the relationship between physical, biological and human aspects of the environment.

	upon particular aspects of current research, or equivalent advanced scholarship, in the discipline.		
A2	Ability to design and undertake research to answer a clearly-defined question within the discipline, and present and interpret relevant scholarly reviews and primary sources, critically evaluate arguments, assumptions, abstract concepts and data (that may be incomplete), and appreciate the uncertainty, ambiguity and limits of knowledge.	Critical understanding of research design and analysis, and interpret and present primary and secondary data.	Sound knowledge of need for research design and analysis, and interpretation and presentation of primary and secondary data.
A3	Practise safe and effective research and scholarly enquiry in the discipline, having due regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.	Understanding of need to practise safe and effective analytical laboratory practice and fieldwork, having regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.	Sound knowledge of need to practise safe and effective analytical laboratory practice and fieldwork, having regard to risk assessment, relevant health and safety regulations, rights of access, and paying due attention to the impact of investigations on the environment and interested parties.
A4	Apply methods and techniques learned to review, consolidate, extend and apply knowledge and understanding in the discipline.	Understanding of need to observe and record accurately in the laboratory, natural and built environments, including collecting and recording data using appropriate techniques.	Sound knowledge of need to observe and record accurately in the laboratory, natural and built environments, including collecting and recording data using appropriate techniques.
A5	Identify and accurately deploy techniques of analysis to frame appropriate questions to achieve a solution – or identify a range of solutions – to a problem in the discipline.	Understanding of fieldwork skills in species identification, sampling and recording techniques, and use a range of field equipment to interpret spatial data, use new technologies.	Sound knowledge of use of fieldwork skills in species identification, sampling and recording techniques, and use of a range of field equipment to interpret spatial data, use new technologies.

B Cognitive and Intellectual Skills

	Programme Intended Learning Outcomes (ILOs) **On Achieving Level 6**	**On Achieving Level 5**	**On Achieving Level 4**
B1	Ability to assemble, analyse, evaluate and synthesise information from a variety of sources, and critically analyse relevant literature.	Understanding of how to assemble, analyse, evaluate and synthesise information critically from a variety of sources, and critically analyse literature within the discipline.	Sound knowledge of need to assemble, analyse, evaluate and synthesise information from a variety of sources, and analyse literature within the discipline.
B2			

	Ability to plan and execute independent research.	Critical understanding of how to plan and execute independent research.	Sound knowledge of requirement to plan and execute independent research.
B3	Ability to solve problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.	Critical understanding of how to solve problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.	Sound knowledge of necessity of solving problems including collecting and integrating several lines of evidence to formulate and test hypotheses and models.
B4	Ability to use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.	Sound understanding of necessity to recognise and use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.	Sound knowledge of necessity to recognise and use subject-specific theories, examples, concepts and principles, and apply knowledge and understanding to address familiar and unfamiliar problems, and be aware of ethical issues.

C Skills for Life and Work

	Programme Intended Learning Outcomes (ILOs) **On Achieving Level 6**	**On Achieving Level 5**	**On Achieving Level 4**
C1	Autonomous learning[3] (including time management) that shows the exercise of initiative and personal responsibility and enables decision-making in complex and unpredictable contexts.	Autonomous learning (including time management) as would be necessary for employment requiring the exercise of personal responsibility and decision-making such that significant responsibility within organisations could be assumed.	Autonomous learning(including time management) as would be necessary for employment requiring the exercise of personal responsibility.
C2	Team working skills necessary to flourish in the global workplace with an ability both to work in and lead teams effectively.	Team work as would be necessary for employment requiring the exercise of personal responsibility and decision-making for effective work with others such that significant responsibility within organisations could be assumed.	Team work as would be necessary for employment requiring the exercise of personal responsibility for effective work with others.
C3	Communication skills that ensure information, ideas, problems and solutions are communicated effectively and clearly to both specialist and non-specialist audiences.	Communication skills commensurate with the effective communication of information, arguments and analysis in a variety of forms to specialist and non-specialist audiences in which key techniques of the discipline are deployed effectively.	Communication skills that demonstrate an ability to communicate outcomes accurately and reliably and with structured and coherent arguments.
C4	IT skills and digital literacy that demonstrate core competences and are commensurate with an ability to work at the interface of creativity and new technologies.	IT skills and digital literacy that demonstrate the development of existing skills and the acquisition of new competences.	IT skills and digital literacy that provide a platform from which further training can be undertaken to enable development of new skills within a structured and managed environment.

[3] i.e. the ability to review, direct and manage one's own workload

Programme content

This programme comprises the following modules

Key:

Core = C

Required = R

Required* = R*

Optional = O

Not available for this status = N/A

If a particular status is greyed out, it is not offered for this programme.

Subject offered as single and/or combined award

Environmental Science				Status	
Level	Code	Title	Credits	Single	Joint
4	BIO4000-20	Biological Techniques	20	C	
4	BIO4003-20	Ecology and the Diversity of Life	20	C	
4	GEO4103-20	Environmental Change	20	C	
4	GEO4000-20	Environment, People and Place	20	C	
4	BIO4104-20	Communicating Science	20	C	
4	GEO4101-20	Sustainability in Life and Work	20	C	
5	BIO5108-20	Conservation Ecology	20	C	
5	BIO5006-20	Environmental Management	20	C	
5	BIO5009-20	Research Skills for Environmental Science	20	C	
5	BIO5102-20	Biology Work Placement	20	O	
5	BIO5109-20	Microbiology Applications and Biotech	20	O	
5	GEO5103-20	Geomorphology and Environmental Hazards	20	O	
5	GEO5104-20	Geographical Fieldwork: Hazards, disasters and sustainable development	20	O	
5	GEO5004-20	Climate and Society	20	O	
5	GEO5005-20	Geotechnologies for Society and Environment	20	O	
5	EDU5103-20	Environment and Education	20	O	

5	PPY5100-120	Professional Placement Year	120	O	
6	BIO6000-20	Dissertation Planning	20	R*	
6	BIO6001-20	Dissertation Publication	20	R*	
6	GEO6000-40	Geography Dissertation	40	R*	
6	BIO6103-20	Animal Behaviour	20	O	
6	BIO6104-20	Plants and People	20	O	
6	BIO6002-20	Environmental Practice	20	C	
6	BIO6102-20	Wildlife Photography	20	O	
6	BIO6111-20	Marine Biology and Conservation	20	O	
6	BMA6105-20	Managing Sustainability	20	O	
6	GEO6104-20	Advanced Geographical Fieldwork: Society, culture and environment	20	O	
6	GEO6101-20	Disaster Risk Reduction	20	O	
6	GEO6105-20	Coastal and River Management	20	O	

At Level 6 students must take either Dissertation Planning AND Dissertation Publication, OR Geography Dissertation 1. It is not permissible to mix the two.

Assessment methods

A range of summative assessment tasks will be used to test the Intended Learning Outcomes in each module. These are indicated in the attached assessment map that shows which tasks are used in which modules.

Students will be supported in their development towards summative assessment by appropriate formative exercises.

Please note: if you choose an optional module from outside this programme, you may be required to undertake a summative assessment task that does not appear in the assessment grid here in order to pass that module.

Work experience and placement opportunities

Environmental Science students are not required to undertake formal placements or work experience or placements as part of their course programme. However, we recognise the value of such experience to career development, and increasingly our students are keen to take this option.

The principal opportunity to undertake a placement experience related to your course in the 3-year programme is provided by the Biology Work Placement module in your second year. Staff will be able to help you with this through the industry and community contacts we have. The value of this experience is widely recognised by students and this module is the most popular optional module at Level 5.

At level 6, the optional 20-credit Environmental Practice also allows you to undertake work to a brief developed with an external organisation /industry, e.g. project work with B&NES [http://www.bathnes.gov.uk/], Kier MG [http://www.kier.co.uk/], Bristol Avon Rivers Trust [http://ww

w.bristolavonriverstrust.org/], and Somerset Wildlife Trust [http://www.somersetwildlife.org/]/ Small Bros Farmers [http://www.warrenfarmsomerset.com/].

At level 6, it is not uncommon for dissertations to be undertaken in collaboration with external organisations (e.g. lemur behaviour research in Madagascar with OpWall [http://opwall.com/]) and/or practitioners to contribute to student dissertations. All of these opportunities can make great additions to your CV and enable you to network with people and organisations allied to your career ambitions.

This programme can also be taken as a 'Sandwich' degree, which is studied over 4 years and includes a year-long work placement in a sector of your choice. The placement year is completed between years 2 and 3 of your degree and counts for 120 Level 5 credits. During this time you will be able to utilise knowledge gained as part of your studies in a real work environment to gain ‘hands on’ experience. The University has a dedicated Careers & Employability team to help you find and prepare for a placement. Following your placement year, you will return to University to complete your final year of study.

The establishment of a sandwich year in the Environmental Science programme contributes to the realisation of the University’s strategic plan. It strengthens the provision in that a year-long placement will help you to build networks and give you the opportunity to meet and work with potential employers after graduation. In addition it will enable you to put into practice theory learnt from your first two years of study. The organisation of time and work that you will need to invest in a work placement will prepare you for their demands of the final year of the programme. For those taking the 4-year programme, the year out in professional practice provides an unparalleled opportunity to fully engage with a relevant career option as part of the course.

In addition to any work placements, all Environmental Science students have the opportunity to participate in Exchange programmes. These allow you to spend one semester studying abroad in either a European University or in one of our partner institutions further afield.

Students are also regularly invited to help external consultants with such activities as bat surveys and Great Crested Newt monitoring on site at the Newton Park campus. All of these opportunities help to enhance your CV and extend the range of practical activities – and acquisition of skills – beyond the taught curriculum.

Additional Costs Table

Module Code & Title	Type of Cost	Cost
BIO5108-20 Conservation Ecology	Contribution towards a residential field trip	Approx. £100
GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development	Contribution towards a residential international field trip of 8-9 days	Approx. £750-£1100
EDU5103-20 Environment and Education	This module includes the option to enroll onto an additional course: DBS required; transport costs; payment of accredited course fees	Approx. £200
GEO6000-40 Geography Dissertation	Determined by the activity proposed by the student	
BIO6111-20 Marine Biology and Conservation	Contribution towards a residential field trip	Approx. £100-£150
GEO6104-20 Advanced Geographical Fieldwork: Society, Culture and Environment	Contribution towards a residential international fieldtrip of 5-7 days	Approx. £450-£800

Graduate Attributes

	Bath Spa Graduates will be:	In Environmental Science, we enable this by:
1	employable: equipped with the skills necessary to flourish in the global workplace, able to work in and lead teams	requiring our students to work collaboratively from Level 4 onwards, supporting their development of excellent communication skills, and providing opportunities for them to work in or with relevant partner organisations. The intellectual skills developed through research, analysis and presentation are valued by employers, and are integral to the course
2	able to understand and manage complexity, diversity and change	introducing our students to topical issues in the subject – e.g. climate change – with its challenges of analysis and interpretation
3	creative: able to innovate and to solve problems by working across disciplines as professional or artistic practitioners	enabling our students to enjoy Environmental Science as a science, which is therefore an inherently creative discipline, and by providing opportunities for them to explore presentation of material in creative ways, including through working with others
4	digitally literate: able to work at the interface of creativity and technology	emphasising the appropriate and effective use of digital resources throughout the course and the importance of communicating information via digital or on-line media
5	internationally networked: either by studying abroad for part of the their programme, or studying alongside students from overseas	encouraging our students to take up opportunities to study abroad E.g. BSU' s Global Citizenship Award), and by using our internationally-relevant curriculum to build the confidence to do so
6	creative thinkers, doers and makers	giving students opportunities to think creatively and imaginatively in their interpretation and presentation of scientific information

7	critical thinkers: able to express their ideas in written and oral form, and possessing information literacy	enthusing our students by example to be the best environmental scientists they can, and giving them encouragement to think creatively and imaginatively in their interpretation and presentation of scientific information, orally and in writing
8	ethically aware: prepared for citizenship in a local, national and global context	reinforcing the view that Environmental Science as a subject with an important ethical dimensions, both in its subject matter and its methodology

Modifications

Module-level modifications

Code	Title	Nature of modification	Date(s) of approval and approving bodies	Date modification comes into effect
SOC6000-20	Sociology Dissertation 1	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO4101-20	Sustainability in Life and Work	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
BIO4104-20	Communicating Science	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
EDU5103-20	Environment and Education	Change to module status	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
BIO6105-20	Marine Biology	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO6006-20	Environmental Change	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO5003-20	River and Coastal Systems	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20

GEO6004-20	Climatology	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO5100-20	Hazards, Vulnerability and Resilience	Module deleted	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2019/20
GEO6005-20	River Management	New module	03 April 2019, CoLA Learning, Teaching Quality Subcommittee	2020/21
BIO4104-20	Communicating Science	Change to module status	Curriculum Committee (fixed Level 4 project) June 2020	2021/22
GEO4104-20	Sustainability in Life and Work	Change to module status	Curriculum Committee (fixed Level 4 project) June 2020	2020/21
BIO5102-20	Biology Work Placement	Change to assessment	Approved via Chair's action 01/12/2020	2021/22
GEO5005-20	Geotechnologies for Society and Environment	Change to module status	Approved via Chair's action 01/12/2020	2021/22
BIO5003-20	Ecology and Biodiversity	Assessment change	Approved via Chair's action 01/12/2020	2021/2022
GEO6103-20	Geographical Fieldwork (L6 variant)	New module	Approved via Chair's action 21/12/2020	2021/2022
BMA6105-20	Managing Sustainability	New module	Approved via Chair's action 06/12/2021	2022/2023

Programme-level modifications

Nature of modification	Date(s) of approval and approving bodies	Date modification comes into effect
GEO4001-20 Geographical Skills replaced with GEO4103-20 Environmental Change	Curriculum Approval Panel December 2023	2024/25
BIO5003-20 Ecology and Biodiversity replaced with BIO5108-20 Conservation Ecology	Curriculum Approval Panel December 2023	2024/25
BO5004-20 Applied Microbiology replaced with BIO5109-20 Microbial Applications and Biotech	Curriculum Approval Panel December 2023	2024/25
GEO5101-20 Geographical Fieldwork replaced with GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development	Curriculum Approval Panel December 2023	2024/25
PSY5110-20 Environmental Psychology and Sustainability deleted	Curriculum Approval Panel December 2023	2024/25
BIO6111-20 Marine Biology and Conservation added as an Optional module	Curriculum Approval Panel December 2023	2024/25
	Curriculum Approval Panel December 2023	2024/25

GEO6100-20 Advanced Geographical Fieldwork replaced with GEO6104-20 Advanced Geographical Fieldwork: Society, culture and environment		
GEO6103-20 Geographical Fieldwork (L6 variant) deleted	Curriculum Approval Panel December 2023	2024/25
GEO6005-02 River Management replaced with GEO6105-20 Coastal and River Management	Curriculum Approval Panel December 2023	2024/25

Attached as appendices:

1. Programme structure diagram
2. Map of module outcomes to level/programme outcomes
3. Assessment map
4. Module descriptors

Appendix 1: Programme Structure Diagram - BSc (Hons) Environmental Science

Single Honours	
Level 4	
Semester 1	**Semester 2**
Core Modules	
BIO4000-20 Biological Techniques GEO4000-20 Environment, People and Place BIO4104-20 Communicating Science	BIO4003-20 Ecology and the Diversity of Life GEO4103-20 Environmental Change GEO4101-20 Sustainability in Life and Work
Rule Notes: N/A	
Level 5	
Core Modules	
BIO5108-20 Conservation Ecology BIO5009-20 Research Skills for Environmental Science	BIO5006-20 Environmental Management
Optional Modules	
BIO5102-20 Biology Work Placement	BIO5102-20 Biology Work Placement

Single Honours	
BIO5109-20 Microbiology Applications and Biotech GEO5103-20 Geomorphology and Environmental Hazards GEO5005-20 Geotechnologies for Society and Environment	GEO5104-20 Geographical Fieldwork: Hazards, disasters and sustainable development GEO5004-20 Climate and Society EDU5103-20 Environment and Education
Rule Notes: N/A	
Optional Professional Placement Year 120 credits	
Level 6	
Required* Modules	
BIO6000-20 Dissertation Planning GEO6000-40 Geography Dissertation (year-long)	BIO6001-20 Dissertation Publication GEO6000-40 Geography Dissertation (year-long)
Optional Modules	
BIO6104-20 Plants and People BIO6002-20 Environmental Practice BIO6102-20 Wildlife Photography GEO6104-20 Advanced Geographical Fieldwork: Society, culture and environment GEO6101-20 Disaster Risk Reduction BMA6105-20 Managing Sustainability	BIO6103-20 Animal Behaviour BIO6111-20 Marine Biology and Conservation GEO6105-20 Coastal and River Management
Rule Notes: At Level 6 students must take either **BOTH** Dissertation Planning **AND** Dissertation Publication, **OR** Geography Dissertation.	

Appendix 2: Map of Intended Learning Outcomes

Level	Module Code	Module Title	Status (C,R,R*, O) [4]	Intended Learning Outcomes												
				Subject-specific Skills and Knowledge					Cognitive and Intellectual Skills				Skills for Life and Work			
				A1	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2	C3	C4
4	BIO4000-20	Biological Techniques	C	X		X	X	X	X	X			X	X	X	X
4	BIO4003-20	Ecology and the Diversity of Life	C	X	X	x	X	x	X	X	X			X	X	X
4	GEO4103-20	Environmental Change	C	X	X	X	X	X	X		X	X		X	X	X
4		Environment, People and Place	C	X	X	X	X	X	X		X		X	X	X	X

	GEO4000-20															
4	BIO4104-20	Communicating Science	C	X	X	X						X			X	
4	GEO4101-20	Sustainability in Life and Work	C		X	X	X	X			X	X	X	X		X
5	BIO5108-20	Conservation Ecology	C	X	X	X	X	X	X		X	X		X	X	X
5	BIO5006-20	Environmental Management	C	X		X	X	X	X		X	X	X	X	X	X
5	BIO5009-20	Research Skills for Environmental Science	C		X		X	X		X	X	X	X	X	X	X
5	BIO5109-20	Microbiology Applications and Biotech	C		X	X	X	X		X	X	X			X	
5	BIO5102-20	Biology Work Placement	O					X					X	X	X	X
5	GEO5103-20	Geomorphology and Environmental Hazards	O	X		X		X	X		X	X	X		X	X
5	GEO5005-20	Geotechnologies for Society and Environment	O	X		X		X	X				X	X	X	X
5	GEO5104-20	Geographical Fieldwork: Hazards, disasters and sustainable development	O	X		X		X	X		X	X	X	X	X	X
5	GEO5004-20	Climate and Society	O	X		X	X		X	X	X	X	X	X	X	X
5	EDU5103-20	Environment and Education	O			X	X						X			X
5	PPY5100-120	Professional Placement Year	O										X	X	X	X
6	BIO6000-20	Dissertation Planning	R*		X			X	X	X		X	X		X	X
6	BIO6001-20	Dissertation Publication	R*	X	X	X	X	X		X	X	X	X	X	X	X
6	GEO6000-40	Geography Dissertation	R*	X	X	X	X	X	X	X	X	X	X	X	X	X
6	BIO6103-20	Animal Behaviour	O		X	X	X	X	X		X	X	X	X	X	X
6	BIO6104-20	Plants and People	O						X				X	X	X	X
6	BIO6002-20	Environmental Practice	C	X		X		X	X				X	X	X	X
6	BIO6102-20	Wildlife Photography	O										X	X	X	X
6	BIO6111-20	Marine Biology and Conservation	O	X	X	X	X	X	X	X	X	X	X	X		
6	GEO6101-20	Disaster Risk Reduction	O	X		X			X		X	X	X	X	X	X
6	GEO6105-20	Coastal and River Management	O	X		X		X	X		X	X	X	X	X	X
6	GEO6104-20	Advanced Geographical Fieldwork: Society, culture and environment	O	X	X	X	X	X	X		X	X	X	X	X	X
6	BMA6105-20	Managing Sustainability	O	X	X	X	X	X	X	X	X	X	X	X	X	X

[4] C = Core; R = Required (i.e. required for this route); R* = Required*; O = Optional

Appendix 3: Map of Summative Assessment Tasks by Module

		Module Title		Assessment method

Level	Module Code		Status (C,R,R*,O) [5]	Coursework						Practical								Written Examination		
				Dissertation	Essay	Project Report or Briefing paper	(Reflective) Log or Notebook	Review	Proposal	Practical Report or Scientific Paper	Production blog	Oral or Poster Presentation	Stand-alone poster	Portfolio	Website Photographic/ Film piece	Field Report	Research Proposal	Written Examination	In-class test (unseen)	Open book timed essay
4	GEO40000-20	Environment, People & Place	C		1x														2x	
4	GEO41003-20	Environmental Change	C							1x		1x								
4	BIO4000-20	Biological Techniques	C							1x								1x		
4	BIO4003-20	Ecology and the Diversity of Life	C							1x										
4	BIO4104-20	Communicating Science	C					1x		1x										
4	GEO41001-20	Sustainability in Life and Work	C									1x							2x	
5	BIO5108-20	Ecology Conservation	C									1x		1x						
5	BIO5006-20	Environmental Management	C							1x		1x								
5	BIO5009-20	Research Skills for Environmental Science	C							1x		1x								
5	BIO5109-20	Microbial Applications and Biotech	O					1x				1x								
5	GEO50005-20	Geotechnologies for Society and Environment	O			1x				1 x									1x	
5	BIO5102-20	Biology Work Placement	O							1x		1x								
5	GEO50004-20	Climate and Society	O									1x						1x		
5	GEO51003-20	Geomorphology and Environmental Hazards	O									1x						1x		
5	GEO51004-20	Geographical Fieldwork: Hazards, disasters and sustainable development	O									1x				1x				
5	EDU51003-20	Environment and Education	O									1x		1x						

5	PPY5100-120	Professional Placement Year	O						1x					1x						
6	BIO6000-20	Dissertation Planning	R*					1x	1x											
6	BIO6001-20	Dissertation Publication	R*									1x								
6	GEO6000-40	Geography Dissertation	R*	1x																
6	BIO6103-20	Animal Behaviour	O					1x										1x		
6	BIO6104-20	Plants and People	O					1x					1x							
6	BIO6002-20	Environmental Practice	C			1x						1x								
6	BIO6102-20	Wildlife Photography	O								1x				1x					
6	BIO6111-20	Marine Biology & Conservation	O										1x			1x				
6	GEO6101-20	Disaster Risk Reduction	O			1x				1x										
6	GEO6105-20	Coastal and River Management	O			1x														1x
6	GEO6104-20	Advanced Geographical Fieldwork: Society, culture and environment	O		1x							1x								
6	BMA6105-20	Managing Sustainability	O			1x	1x													

[5] C = Core; R = Required (i.e. required for this route); R* = Required*; O = Optional