Programme Specification

BSc (Hons) Ecology & Conservation: 2019-20

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 s/he takes full advantage of the learning opportunities that are provided.

Awarding Institution	University of Southampton
Teaching Institution	University of Southampton
Mode of Study	Full-time
Duration in Years	3 years, following standard progression for a full-time student
Accreditation details	Not Applicable
Final award	Bachelor of Science – Honours
Name of award	Ecology & Conservation
Interim Exit awards	Bachelor of Science (Ordinary) Diploma of Higher Education Certificate of Higher Education
FHEQ level of final award	6
UCAS code	C181
QAA Subject Benchmark or other external reference	QAA Subject Benchmark Statements for Bioscience (2007) QAA Framework for Higher Education Qualifications (FHEQ)
Programme Coordinator	Dr N Gostling
Date specification was written	05/03/2015
Date specification was validated	May 2017
Date specification was last updated	March 2019

Programme Overview

Brief outline of the programme

Ecological science will play an essential role in tackling the global challenges of the 21st century. Understanding how organisms interact with one another and their relationship with the environment is vital to the management of ecosystems in response to environmental change. Building on a strong biological foundation, the Ecology & Conservation programme at Southampton covers organism, population and community ecology and the application of practical solutions to current global challenges. Independent projects are a major component of part 3 and provide experience in current ecological research. You will undertake a balanced programme of study, gaining the relevant skills and knowledge for a career path in ecology and conservation.

Learning and teaching

A broad range of teaching methods will be employed during the 3 year course, including a combination of lectures, tutorials, practical classes and field-courses, in conjunction with coursework, and research projects. Throughout the programme you will be required to undertake independent reading both to consolidate and supplement the taught material and to broaden your knowledge and understanding of ecology and conservation. Analysis, problem solving and research skills are further developed in tutorials, laboratory practicals and project work. There are two compulsory field-courses during part 1 and 2: a part 1 trip to Spain exploring the Mediterranean biome, and an in-depth part 2 field-course in the New Forest. There are further opportunities for fieldwork in part 3, including options for overseas experience. In part 3 you will undertake either an independent laboratory or field-based research project, or two short projects: which can be a combination of a short field research project, a literature-based project, bioscience business, bioscience education, ethics or a science communication project.

Assessment

Assessment of your knowledge base is achieved through a combination of written examinations and assessed coursework in the form of laboratory and fieldwork practical reports, essays, and project reports and presentations. Experimental and research skills are assessed through an appropriate combination of laboratory reports, project reports and presentations.

Please note: As a research-led University, a continuous review of our programmes is undertaken to ensure quality enhancement and to manage our resources. As a result, this programme may be revised during a student's period of registration. However, any revision will be balanced against the requirement that the student should receive the educational service expected. Please read our Disclaimer to see why, when and how changes may be made to a student's programme.

Programmes and major changes to programmes are approved through the University's programme validation process which is described in the University's Quality handbook.

Educational Aims of the Programme

The aims of the programme are to:

1. provide a stimulating, informed learning environment through a wide range of interesting and contemporary courses, underpinned by current world-class research.
2. provide a fundamental knowledge and understanding of living organisms across the levels of biological organisation from the molecular, through to cells, whole organisms and ecosystems and with an evolutionary perspective;
3. develop an understanding of ecological concepts and processes in theory and in practice, at levels from individuals, populations, and communities to landscape and global perspectives, underpinned by world class research
4. provide the opportunity to construct individual programmes of study within a coherent framework, including advanced concepts and techniques in ecology and conservation topics of your choice;
5. provide training in relevant laboratory and field work skills;
6. develop a range of transferable skills (information and communication technology, team working, written and oral communication, time management, planning, data collection, analysis and presentation), and the capacity to give a clear and accurate account of the subject;
7. provide an opportunity for you to develop the ability to think critically and to show that you can pursue independent study;
8. support the completion of an independent research project on a topic related to ecology and conservation;
9. provide an education and training suitable for a wide variety of careers in industry and the public sector, and to prepare you for higher degrees in biological science research;
10. enable the capability of life-long learning, study and enquiry.

Programme Learning Outcomes

Knowledge and Understanding

Having successfully completed this programme you will be able to

A1. Show knowledge and understanding of a range of topics relevant to Ecology and Conservation, as detailed in the LOs for the core and compulsory modules for this programme

A2. Use a range of practical skills and techniques relevant to Ecology and Conservation, as detailed in the LOs for the core and compulsory modules for this programme

A3. Utilise methods and experimental designs to address ecological problems and questions

A4. Collect and analyse experimental data

A5. Interpret and write up the results of experiments

A6. Create and deliver a presentation on a topic relevant to Ecology

A7. Conduct research into an area of science relevant to Ecology

A9. Have an appreciation of the ethical and societal aspects of research in the biosciences

Teaching and Learning Methods

You will be helped to acquire these skills through all aspects of the formal teaching programme. In Parts 1 and 2 this will mainly be through tutorials and coursework, whilst in Part 3 your project work will enable you to further develop and practice many of the individual skills in one specific area of Ecology and Conservation.

Assessment methods

Experimental and research skills are assessed through some or all of the following: laboratory reports, project reports and presentations, part 3 research project or dissertations. Analysis and problem solving skills are assessed through unseen written examinations, continual assessment, practical write-ups and computer-based exercises. Your skills will be assessed primarily through a combination of continual assessment, exams and through the Part 3 research project or dissertations. Experimental and research skills are assessed through an appropriate combination of laboratory reports, project reports and presentations.

Programme Structure

Typical course content

The programme of study is divided into modules. Each module is assigned a number of credit points (ECTS = European Credit Transfer Scheme) that relates to the hours of formal teaching plus the recommended time for private study (1ECTS = 20 hours of total student effort). In each part you will take certain compulsory modules and a selection of approved optional modules to give a minimum of 60 ECTS. A **compulsory module** is one that you must take (but need not pass, however a minimum of 25% is required). **Optional modules** can be selected from a range of modules offered by Biological Sciences or modules offered by other University of Southampton academic units.

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note in some instances modules have limited spaces available.

In part 1 there are a number of compulsory modules, which lay a solid foundation in biological science, which underpins the discipline of this programme. With progression to more specialised training and options that enable diversification commence in parts 2 and 3, this includes opportunities to take Curriculum Innovation modules (UOSM-coded modules). Curriculum Innovation modules are specifically designed to allow students to broaden their degree. A maximum of one UOSM module can be taken per Part. In part 3, students are exposed to the forefronts of the discipline's knowledge, with the opportunity to conduct supervised original research.

Special Features of the programme

Throughout the programme there is an emphasis on developing hands-on practical experience and independent study through the Part 1 field course to Spain (BIOL1001), laboratory and field practical sessions and the Part 2 field course in the New Forest (BIOL2041).

Programme details

Part 1 (FHEQ Level 4)

In part 1, students are required to complete eight modules which includes seven compulsory modules.

One further module (total 7.5 ECTS) must be chosen and this can be from those on offer in Biological Sciences or alternatively from other academic units – modules with ecological emphasis are encouraged e.g. marine ecology modules (SOES codes), environmental science modules (ENVS codes) or geography modules (GEOG codes).

The modules in Part 1 will provide a sound understanding and knowledge of the fundamental aspects of biological science, covering physiology, molecular, cell biology and genetics and a solid introduction to ecology, with modules on the main braches of ecology, evolution, conservation including first-hand experience in methods used in ecology research.

Part 1: Modules Compulsory	Module type	**ECTS**
BIOL1004 Patterns of Life	Compulsory	**7.5**
BIOL1010 Macromolecules of Life*		**7.5**
BIOL1012 Systems Physiology*		**7.5**
BIOL1020 Core Skills in the Life Sciences		**7.5**
BIOL1003 Ecology and Evolution		**7.5**
BIOL1001 Experimental & Field Ecology		**7.5**
BIOL1005 Cell Biology & Genetics		**7.5**
One additional module may be selected from:		
BIOL1013 Integrative Mammalian Physiology	Recommended	**7.5**
BIOL1022 Metabolism & Metabolic Disorders	Recommended	**7.5**
BIOL1023 Cell and Tissue Histology	Recommended	**7.5**

SOES1006 Introduction to Marine Ecology	Optional	7.5
Modules from other disciplines such as SOES, ENVS, GEOG or a Language module	Optional	7.5

Part 2 (FHEQ Level 5)

In Part 2, you are required to take eight modules of which 5 are compulsory and 3 are optional. Note that BIOL2001 Evolution must be *passed* in order to be allowed to take BIOL3010 Topics in Ecology & Evolution in part 3; BIOL2008 Quantitative Methods in Biological & Environmental Science must be *passed* in order to be allowed to take the BIOL3034 Laboratory research project, BIOL3061 Field Research Project, BIOL3069 In Silico Research Project, BIOL3071 External Research Project or BIOL3062 Short Field Project in part 3.

The modules in part 2 build on the basic biological and ecological principles laid down in part 1. Developing understanding and knowledge in evolution, population ecology, biodiversity and conservation priorities and gaining experience in valuable analytical, ecological survey, and taxonomic skills. With more flexibility in module choice providing opportunity to construct programmes of study, which include biological topics such as animal behaviour, plant science and marine ecology.

Part 2: Modules	**Module type:**	**ECTS**
BIOL2004 Pure & Applied Population Ecology	**Compulsory**	**7.5**
BIOL2008 Quantitative Methods in Biological & Environmental Science		**7.5**
BIOL2001 Evolution		**7.5**
BIOL2041 New Forest Field Course		**7.5**
BIOL2047 Animal Conservation		**7.5**
Additional modules may be selected from:		
BIOL2039 Animal Behaviour	Recommended	**7.5**
BIOL2007 Plant Development & Function		**7.5**
BIOL2045 Vertebrate Development		**7.5**
BIOL2018 Adaptive Physiology	Optional	**7.5**
BIOL2038 Microbiology – from the natural environment to disease		**7.5**
BIOL2040 Neural Basis of Behaviour		**7.5**
BIOL2002 Cell Biology		**7.5**
BIOL2010 Flow of Genetic Information		**7.5**
BIOL2012 Exploring Proteins : Structure & Function		**7.5**
BIOL2013 Bioinformatics & DNA Technology		**7.5**
BIOL2014 Neuroscience		**7.5**
BIOL2043 Biotechnology & the Living Cell		**7.5**
BIOL2044 Medical Microbiology		
SOES2017 Ecological Processes in the Marine Benthos		**7.5**
ENVS2007 Environmental Pollution		**7.5**
ENVS2006 Environmental Impact Assessment		**7.5**
ENVS2008 GIS for Environmental Scientists		**7.5**
GEOG2007 Remote Sensing for Earth Observation		**7.5**
GEOG2006 Quaternary Environmental Change		**7.5**

A maximum of 2 modules can be taken from outside Biological Sciences and of these not more than one can be a UOSM coded module.

BIOL2042 Biological Sciences Study Abroad. There is an opportunity to carry out studies during semester 2 of part 2 at one of several partner universities outside of the UK. Specific module choices available will be dependent on the university selected and further information should be obtained from the module coordinator.

Part 3 (FHEQ Level 6)

In Part 3 there is increased emphasis on the practical and theoretical aspects of ecological research with 15 ECTS of independent research either as a single 15 ECTS module or two 7.5 ECTS modules. This will allow you to carry out an extensive piece of work related to your interests and develop knowledge of experimental design, statistics and critical evaluation as applied to practical ecological problems. The remaining 45 ECTS is comprised of six modules; a minimum of FOUR and a maximum of SIX of which must be selected from a set of BIOL modules (BIOL3009, BIOL3053, BIOL3010, BIOL3056, BIOL3067, BIOL3068, BIOL3070 and BIOL3072), any remaining modules can be selected from optional BIOL3XXX, SOES3XXX, ENVS3XXX modules, or modules relating to a

specific 'Minor' subject. A maximum of 2 modules can be taken from outside Biological Sciences and of these not more than one can be a UOSM coded module.

A compulsory independent research project totalling 15 ECTS, which has to be on an ecology-based topic, needs to be selected from the following options. :

i) Laboratory research project BIOL3034,
ii) Field research project BIOL3061
iii) Bioscience Business BIOL3058
iv) Bioscience Education BIOL3059
v) *In silico* research project BIOL3069
vi) External Research Project BIOL3071

Alternatively a combination of 2 single modules each 7.5ECTS (15 ECTS in total) may be chosen from the selection below with one module to be completed in each semester. These must be focussed on a topic relevant to ecology.

i) Literature-based research project (BIOL3031 semester 1)
ii) Literature-based research project (BIOL3032 semester 2)
iii) Short field project BIOL3062 (Semester 1)
iv) Science communication BIOL3060 (semester 1)
v) Extended Science communication BIOL3066 (semester 2)*
vi) Bioethics research project BIOL3073 (semester 2)

*BIOL3060 is an essential prerequisite in order to take BIOL3066.
It is not permitted to take both BIOL3031 and BIOL3032.

Part 3: Modules	**Module type:**	**ECTS**
At least FOUR of the following COMPULSORY modules from :		
BIOL3009 Applied Ecology	Compulsory	7.5
BIOL3053 Biodiversity & Conservation		7.5
BIOL3067 Evolution & Development		7.5
BIOL3010 Topics in Ecology & Evolution		7.5
BIOL3056 Global Change Biology: Molecules to Ecosystems		7.5
BIOL3068 Fluxes, cycles and microbial communities		7.5
BIOL3070 Tropical Ecology Field Course		7.5
BIOL3072 Behavioural Ecology		7.5
Up to an additional 2 modules may be selected from:		
BIOL3001 Current Topics in Cell and Developmental Biology	Optional	7.5
BIOL3003 Plant Cell Biology		7.5
BIOL3051 Applied Plant Biology		7.5
BIOL3057 Biofilms & Microbial Communities		7.5
BIOL3020 Systems Neuroscience		7.5
BIOL3021 Cellular & Molecular Neuroscience		7.5
BIOL3013 Molecular Recognition		7.5
BIOL3014 Molecular Cell Biology		7.5
BIOL3015 Regulation of Gene Expression		7.5
BIOL3017 The Molecular & Structural Basis of Disease		7.5
BIOL3018 Molecular Pharmacology		7.5
BIOL3052 Biomedical Technology		7.5
BIOL3022 Cell Signalling in Health and Disease		7.5
BIOL3025 Neuropharmacology of CNS Disorders		7.5
BIOL3027 Selective Toxicity		7.5
BIOL3037 Immunology		7.5
BIOL3048 Neurodegenerative Disease		7.5
BIOL3063 Bioinformatics & Systems Biology		7.5
BIOL3064 Cancer and Chromosome Biology		7.5
BIOL3065 Biomedical Parasitology		7.5
GEOG3068 Biogeography		7.5
SOES3013 Zooplankton Ecology processes		7.5
SOES3017 Marine Fisheries Ecology		7.5

Revisions of the contents of the programmes for Part 3 are made periodically to reflect developments at the frontiers of biology and ecology.

BSc Ecology & Conservation with a 'Minor' subject

The structure of your degree programme allows you to exercise choice in each year of study. You can exercise this choice in a number of ways.

- You can use these modules to deepen your knowledge of your main subject.
- You can combine additional modules from your main subject with modules from the other disciplines or choose from a selection of interdisciplinary modules.
- You can choose modules that build into a minor pathway, the title of which will be included in your degree transcript.

Details of the minors available and the modules that are included can be found at http://www.southampton.ac.uk/cip/information_for_students/minor_subjects/index.page?

Progression Requirements

The programme follows the University's regulations for ***Progression, Determination and Classification of Results: Undergraduate and Integrated Masters Programmes*** as set out in the University Calendar https://www.southampton.ac.uk/calendar/sectioniv/index.page

Intermediate exit points

You will be eligible for an interim exit award if you complete part of the programme but not all of it, as follows:

Qualification	Minimum overall credit in ECTS credits	Minimum ECTS Credits required at level of award
BSc Ordinary degree	at least 150	30
Diploma of Higher Education	at least 120	45
Certificate of Higher Education	at least 60	45

If you successfully complete Part 1 you may switch to the degree programme in Biology or Zoology.

Learning outcomes specific to each intermediate exit point correspond to a sub-set of those for the programme as a whole and may be determined by consulting the module map at the end of this document.

Support for student learning

There are facilities and services to support your learning some of which are accessible to students across the University and some of which will be geared more particularly to students in your particular Faculty or discipline area.

The University provides:

- library resources, including e-books, on-line journals and databases, which are comprehensive and up-to-date; together with assistance from Library staff to enable you to make the best use of these resources;
- high speed access to online electronic learning resources on the Internet from dedicated PC Workstations onsite and from your own devices; laptops, smartphones and tablet PCs via the Eduroam wireless network. There is a wide range of application software available from the Student Public Workstations.
- computer accounts which will connect you to a number of learning technologies for example, the Blackboard virtual learning environment (which facilitates online learning and access to specific learning resources)
- standard ICT tools such as Email, secure filestore and calendars.
- access to key information through the MySouthampton Student Mobile Portal which delivers timetables, Module information, Locations, Tutor details, Library account, bus timetables etc. while you are on the move.

- IT support through a comprehensive website, telephone and online ticketed support and a dedicated helpdesk in the Hartley Library;
- Enabling Services offering support services and resources via a triage model to access crisis management, mental health support and counselling.
- assessment and support (including specialist IT support) facilities if you have a disability, long term health problem or Specific Learning Difficulty (e.g. dyslexia);
- the Student Services Centre (SSC) to assist you with a range of general enquiries including financial matters, accommodation, exams, graduation, student visas, ID cards;
- Career Destinations, advising on job search, applications, interviews, paid work, volunteering and internship opportunities and getting the most out of your extra-curricular activities alongside your degree programme when writing your CV;
- Other support that includes health services (GPs), chaplaincy (for all faiths) and 'out of hours' support for students in Halls (18.00-08.00); a Centre for Language Study, providing assistance in the development of English language and study skills for non-native speakers.

The Students' Union provides

- an academic student representation system, consisting of Course Representatives, Academic Presidents, Faculty Officers and the Vice-President Education; SUSU provides training and support for all these representatives, whose role is to represent students' views to the University.
- opportunities for extracurricular activities and volunteering
- an Advice Centre offering free and confidential advice including support if you need to make an academic appeal
- Support for student peer-to-peer groups, such as Nightline.

Associated with your programme you will be able to access:

- An induction programme at the start of the course, which will provide orientation, information on modules, courses, library and computer facilities.
- Programme handbooks, module handbooks and material on the web.
- Library and academic skill packages.
- Well-equipped laboratories.
- Academic and pastoral support from members of staff, including your academic tutor which will include scheduled meetings at appropriate occasions during the academic year.
- Access to all administrative and academic material on the CBS, Programme and individual module web sites and/or Blackboard (http://www.blackboard.soton.ac.uk).
- Access to all academic staff through an appointment system and e-mail.
- Access to administrative staff in the Faculty Student Offices during the normal working day.
- Feedback on assessment.

Methods for evaluating the quality of teaching and learning

You will have the opportunity to have your say on the quality of the programme in the following ways:

- Completing student evaluation questionnaires for each module of the programme
- Acting as a student representative on various committees, e.g. Staff: Student Liaison Committees, Faculty Education Committee OR providing comments to your student representative to feedback on your behalf.
- Serving as a student representative on Faculty Scrutiny Groups for programme validation
- Taking part in programme validation meetings by joining a panel of students to meet with the Faculty Scrutiny Group

The ways in which the quality of your programme is checked, both inside and outside the University, are:

- Regular module and programme reports which are monitored by the School
- Programme validation, normally every five years.
- External examiners, who produce an annual report
- A national Research Excellence Framework (our research activity contributes directly to the quality of your learning experience)
- Institutional Review by the Quality Assurance Agency
- The Academic Unit of Biological Sciences has an Education Executive that monitors and evaluates all aspects of learning and teaching at undergraduate level. It considers the results of student feedback and takes appropriate action to remedy any shortcomings. The Director of Programmes acts on the results of peer

observation of teaching and reports from our External Examiners who are selected from comparator universities.

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Criteria for admission

The University's Admissions Policy (see www.southampton.ac.uk/admissions-policy) applies equally to all programmes of study. The following are the typical entry criteria we use for selecting candidates for admission to our programmes.

Entry Requirements

These requirements are reviewed annually by our Admissions team. Those stated below were correct as of July 2015.

GCSEs:

We require grades A-C in English, Mathematics and Science. If you lack these formal qualifications, your aptitude for the course will be assessed at interview. International students, whose first language is not English, must have already attained the necessary standard in English – see English Language Proficiency section below.

A Levels

AAB (excluding general studies)

Biology *must be offered at A-level (minimum grade B) along with at least one other A-level science subject*

A-level Science subjects considered include:

A-level	Biology (minimum grade B)
Other science A-levels	Chemistry Physics Mathematics Psychology Environmental Science Geology Geography

Alternative Qualifications

Our admissions requirement is normally defined on the basis of A/AS levels, but equivalent qualifications are accepted.

We do offer entry through a one year Science Foundation programme designed to enable you to qualify for entry to Honours degree programmes in Biological Sciences if you have not studied the appropriate Science subjects at GCE A level or equivalent standard. It is particularly appropriate if you are a mature student or if you have obtained good grades in non-science A-levels.

We will also accept applications from candidates offering other equivalent qualifications including Scottish and Irish Highers, European and International Baccalaureate, Access and Foundation courses and overseas qualifications.

More information on the entry requirements for Ecology & Conservation can be found via the biological sciences undergraduate webpage here - http://www.southampton.ac.uk/biosci/undergraduate/courses.page

English Language Proficiency

All programmes at the University of Southampton are taught and assessed in the medium of English (other than those in modern foreign languages). Therefore, all applicants must demonstrate they possess at least a minimum standard of English language proficiency. Our minimum standard entry requirements are an IELTS Band C, i.e

Overall	Reading	Writing	Speaking	Listening

6.5	5.5	5.5	5.5	5.5

Information on all acceptable English Language Tests can be found on the University website: www.southampton.ac.uk/admissions-language

Recognition of Prior Learning (RPL)

The University has a Recognition of Prior Learning Policy. It may be possible to recognise formal credit for learning you have acquired in the past through formal study and/or through work and other life experiences. Your application will be considered on individual merit and you may be asked to attend an interview.

Mature applicants:

Studying for a degree later in life can be extremely rewarding and mature students are often among our most successful.

If you are over 21 and feel you would benefit from degree-level studies, we can be more flexible about our entry requirements. For full-time courses, selectors will expect you to demonstrate your commitment by means of some recent serious study, for example, one or two A level passes, successful completion of an Open University foundation course or an appropriate Access course. Your application will be considered on individual merit and you may be asked to attend an interview.

Another popular option is to follow a certificate or diploma programme. These are available on a part time basis and most can be taken in the evenings, enabling you to continue to earn an income while you are studying.

Career Opportunities

With a BSc Ecology and Conservation degree you could be expected to find work in the following areas:

- Research
- Teaching
- Conservation and the environment
- Agriculture
- Industry
- Journalism

External Examiners(s) for the programme

Name Prof. Claire Grierson
Institution. University of Bristol

Name Dr Sebastian Shimeld
Institution. University of Oxford

Students must not contact External Examiner(s) directly, and external examiners have been advised to refer any such communications back to the University. Students should raise any general queries about the assessment and examination process for the programme with their Course Representative, for consideration through Staff: Student Liaison Committee in the first instance, and Student representatives on Staff: Student Liaison Committees will have the opportunity to consider external examiners' reports as part of the University's quality assurance process.

External examiners do not have a direct role in determining results for individual students, and students wishing to discuss their own performance in assessment should contact their personal tutor in the first instance.

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 s/he takes full advantage of the learning opportunities that are provided. More detailed information can be found in the programme handbook.

Appendix 1: Learning outcomes and Assessment Mapping

Module Code	Module Title	1	2	3	4	5	6	7	8	9
BIOL1020	Core Skills in the Life Sciences		●			●				●
BIOL1001	Experimental & Field Ecology	●	●	●	●	●	●			
BIOL1003	Ecology and Evolution	●	●		●	●				
BIOL1004	Patterns of Life	●	●	●		●				
BIOL1005	Cell Biology & Genetics				●	●				
BIOL1010	Macromolecules of life				●	●				
BIOL1012	Systems Physiology				●	●				
BIOL2001	Evolution	●	●							
BIOL2004	Pure & Applied Population Ecology	●	●			●				
BIOL2008	Quantitative Methods in Biological & Environmental Science	●				●				
BIOL2041	New Forest Field Course	●	●	●	●	●				●
BIOL2XXX	Animal Conservation									●
Independent research project options (BIOL3034/BIOL3061/BIOL3062/BIOL3058/BIOL3059/BIOL3069//BIOL3032/BIOL3060/3066)		●	●	●	●	●	●	●	●	

Appendix 2:

Additional Costs

Students are responsible for meeting the cost of essential textbooks, and of producing such essays, assignments, laboratory reports and dissertations as are required to fulfil the academic requirements for each programme of study. In addition to this, students registered for this programme typically also have to pay for the items listed in the table below

In some cases you'll be able to choose modules (which may have different costs associated with that module) which will change the overall cost of a programme to you. Details of such costs will be listed in the Module Profile. Please also ensure you read the section on additional costs in the University's Fees, Charges and Expenses Regulations in the University Calendar available at http://www.calendar.soton.ac.uk/.

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
Approved Calculators		Candidates may use calculators in the examination room only as specified by the University and as permitted by the rubric of individual examination papers.
Stationery		You will be expected to provide your own day-to-day stationary items, e.g. pens, pencils, notebooks, etc. Any specialist stationery items will be specified under the Additional Costs tab of the relevant module profile.
Textbooks		Where a module specifies core texts these should generally be available on the reserve list in the library. However due to demand, students may prefer to buy their own copies. These can be purchased from any source. Some modules suggest reading texts as **optional** background reading. The library may hold copies of such texts, or alternatively you may wish to purchase your own copies. Although not essential reading, you may benefit from the additional reading materials for the module.
Equipment and Materials	Laboratory and Field Equipment and Materials:	All materials required for laboratory or field work are provided. Where necessary, suitable specialist safety equipment will be provided.
IT	Computer Discs or USB drives	Students are expected to provide their own portable data storage device.
	Software Licenses	All software is provided
	Hardware	It is advisable that students provide their own laptop or personal computer, although shared facilities are available across the University campus.
Clothing	Lab Coats and safety spectacles	One laboratory coat and a pair of safety spectacles are provided at the start of the programme to each student. If these are lost the student must replace them at

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
		their own expense. The Students Union Shop stock these items.
	Field course clothing	You will need to wear suitable clothing when attending field courses, e.g. waterproofs, walking boots. You can purchase these from any source.
Printing and Photocopying Costs		Coursework such as essays; projects; dissertations may be submitted on line. In the majority of cases, though, students will be asked to provide a printed copy. The University printing costs are currently: A4 - 4p per side (black and white) or 18p per side (colour) A3 - 8p per side (black and white) or 35p per side (colour) Please Note: Paper sizes not recognised by the printing devices will prompt you to select the size and then charge a minimum of 50p per black and white copy and a maximum of £1 per colour copy. You can pay for your printing by using the money loaders or by using print copy payment service by going to www.printcopypayments.soton.ac.uk Please remember that we are unable to refund any credit that has not been used by the end of your course, so please consider this when topping up your printing/copy account The University Print Centre also offers a printing and copying service as well as a dissertation/binding service. Current printing and copying costs can be found here. They also provide a large format printing service, e.g. Academic posters. Details of current costs can be found here.
Fieldwork: Logistical costs	Accommodation: Insurance (travel/health): Travel Costs: Immunisation/vaccination costs: Other:	For *compulsory* residential fieldcourses accommodation and travel are normally provided though where necessary, you will be expected to cover the cost of getting to and from the departure point which may be an airport. You are usually expected to cover the costs of food and drink, although some courses may include meals. For *optional* fieldcourses, you may be asked to make a contribution to the travel and/or accommodation costs. Undergraduates are automatically covered under the University's travel insurance whilst on organised and supervised fieldcourses. Those travelling independently in connection with their programme can be included under the

Main Item	Sub-section	PROGRAMME SPECIFIC COSTS
		University's travel insurance upon application – there may be a cost attached to this. There are also opportunities to undertake fieldcourses with another organisation, e.g. Operation Wallacea – for example see here. Where necessary students will need to arrange and pay for any vaccinations. Specific details on what additional costs there are detailed in the individual module profiles which can be found under the modules tab of the programmes details of the relevant academic unit.
Placements (including Industrial Year out)		Students who choose to go on an industrial placement at the end of Part 2 can expect to cover costs for health and travel insurance, accommodation and living expenses; travel costs; visa costs. This will vary depending on which country you are travelling to.
Parking Costs		There may be a requirement to undertake work at Southampton General Hospital (SGH), for example during a final year research project. Students may need to cover costs for transport to travel to SGH or for car parking.
Other	**Travel Costs**	Students who opt to undertake a module delivered at Marwell Wildlife will be responsible for their own travel expenses.

Revision History

1. Updated to take account of new Programme Specification template, September 2015
2. Minor updates April 2019 following FEC approval