University of the West of England
BRISTOL

MODULE SPECIFICATION

Part 1: Basic Data						
Module Title	Biodiversity and Conservation					
Module Code	UINV39-15-3		Level	3	Version	1.2
UWE Credit Rating	15	ECTS Credit Rating	7.5	WBL module?	No	
Owning Faculty	Hartpury		Field	Animal and Land Science		
Department	Animal and Land		Module Type	Standard		
Contributes towards	BSc (Hons) Agriculture (Top-up) BSc (Hons) Conservation (Top-up) BSc (Hons) Animal Management (Top up) BSc (Hons) Animal Science BSc (Hons) Animal Science (SW) BSc (Hons) Applied Animal Science BSc (Hons) Applied Animal Science (SW) BSc (Hons) Animal Behaviour and Welfare					
Pre-requisites	None		Co- requisites	None		
Excluded Combinations	None		Module Entry requirements	None		
Valid From	01 September 2015 V1.2- 01 September 2017		Valid to	01 September 2021		

CAC Approval Date	15 December 2014 V1.2- 31 July 2017

Part 2: Learning and Teaching	
Learning Outcomes	On successful completion of this module students will be able to: 1. Demonstrate breadth and depth of awareness and understanding of the factors that determine patterns of biodiversity and environmental change. (A) 2. Evaluate the problems of distinguishing between 'natural' changes and anthropogenic induced change. (B) 3. Critically review national and global policy and legislation with regard to biodiversity conservation. (B) 4. Compare and contrast approaches to the conservation of biodiversity in relation to key ecological theories and environmental policy. (A, B) 5. Critically analyse the barriers to solving environmental problems and propose solutions. (A)
Syllabus Outline	• Definition of biodiversity and conservation • Global patterns in biodiversity • Values of biodiversity to society and approaches to quantifying those values • Past, current and future threats to biodiversity, conservation effort and policy • Different international approaches to habitat and species conservation, population management and control of invasive species

<table>
<tr><td></td><td>

International policy, institutional and legislative approach to biodiversity conservation
Environmental responses to climate change

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<tr><td>Contact Hours</td><td>Indicative delivery modes:

1. Lectures, site visits, guided learning, seminars etc: 33 hours
2. Self – directed study: 3 hours
3. Independent learning: 114 hours

TOTAL 150 hours</td></tr>
<tr><td>Teaching and Learning Methods</td><td>This module is delivered using large group learning sessions and opportunities for small group work. Additionally essential and recommended reading and exercises will be introduced to guide the students through the core syllabus.

Scheduled Learning
May include lectures, seminars, tutorials and visits both onsite and offsite

Independent Learning
May include hours engaged with essential reading, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below.

Virtual Learning Environment (VLE)
This module is supported by VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within VLE.</td></tr>
<tr><td>Key Information Sets Information</td><td>Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.

<u>Key Information Set - Module data</u>

Number of credits for this module 15

<table>
<tr><th>Hours to be allocated</th><th>Scheduled learning and teaching study hours</th><th>Independent study hours</th><th>Placement study hours</th><th>Allocated Hours</th></tr>
<tr><td>150</td><td>36</td><td>114</td><td>0</td><td>150</td></tr>
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The table below indicates as a percentage the total assessment of the module which constitutes -

Written Exam: Unseen written exam, open book written exam, in-class test
Coursework: Written assignment or essay, report, dissertation, portfolio, project
Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam

Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:</td></tr>
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	Total assessment of the module:
	Written exam assessment percentage: 0%
	Coursework assessment percentage: 70%
	Practical exam assessment percentage: 30%
	100%
Reading Strategy	**Essential readings** Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be required to purchase a set text, be given a print study pack or be referred to texts that are available electronically or in the Library. Module guides will also reflect the range of reading to be carried out. **Further readings** Further reading will be required to supplement the set text and other printed readings. Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library search, a variety of bibliographic and full text databases, and internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from their academic literature. **Access and skills** Formal opportunities for students to develop their library and information skills are provided within the induction period and student skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered.
Indicative Reading List	The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. CURRENT advice on additional reading will be available via other more frequently updated mechanisms. Books Alexander, M. (Current Edition) *Management Planning for Nature Conservation: A Theoretical Basis and Practical Guide*. New York, USA: Springer. Begon, M., Harper, J. L. and Townsend, C. R. (Current Edition) *Ecology.* Oxford: Blackwell Science. Gilbertson, D.D., Kent, M. and Pyatt, F.B. (Current Edition) *Practical Ecology for Geography and Biology.* London: Unwin Hyman. Goldsmith, F.B. ed. (Current Edition) *Monitoring conservation and ecology.* London: Chapman & Hall. Henderson, P. (Current Edition) *Practical methods in ecology.* Oxford: Blackwell. Lindenmayer, D.B. and Likens, G.E. (Current Edition): *Effective ecological monitoring.* London: Earthscan. Mackenzie, A., Ball, A.S. and Virdee, S.R. (Current Edition). *Instant notes in ecology*. Oxford: BiosScientific Publishers. Primack, R, B. (Current Edition) *Essentials of conservation biology.* Sunderland: Sinauer. Southwood, T.R.E. and Henderson, P.A. (Current Edition) *Ecological methods.* Oxford: Blackwell Science.

	Sutherland, W.J. ed. (Current Edition) *Ecological census techniques.* Cambridge: Cambridge University Press. Sutherland, W.J. and Hill, D.A. eds. (Current Edition) *Managing habitats for conservation.* Cambridge: Cambridge University Press. Tait, J. Lane, A. and Carr, S. (Current Edition) *Practical conservation: Site assessment and management planning.* Milton Keynes: The Open University. Williams, G.M. (Current Edition) *Techniques and fieldwork in ecology.* London: Collins Educational. Journals British Wildlife ECOS magazine (see BANC below) Journal of Ecology Journal of Wildlife Management Journal of Environmental Conservation Journal of Applied Ecology Nature: International Weekly Journal of Science Websites British Association of Nature Conservationists www.banc.org.uk/ British Ecological Society www.britishecologicalsociety.org/ DEFRA: www.defra.gov.uk European Commission Research and Innovation http://ec.europa.eu/research/index.cfm Institute of Ecology and Environmental Management www.ieem.net Joint Nature Conservation Committee www.jncc.gov.uk Natural England www.naturalengland.org.uk Natural Environment Research Council www.nerc.ac.uk Nature Net www.naturenet.net The Convention on Biological Diversity www.cbd.int The International Union for the Conservation of Nature www.iucn.org The United Nations Environment Programme www.unep.org

Part 3: Assessment	
Assessment Strategy	The case study presentation will allow examiners to assess the knowledge and understanding and intellectual skills students have gained throughout the module and under controlled conditions. The written assignment has been chosen to facilitate an in depth utilisation of the information covered throughout the module, as well as that gained via additional study. Formative feedback and guidance can be gained in the module delivery, on the VLE, in tutorials and in revisions sessions. Summative feedback can be gained on assignment scripts, at the end of oral presentations and on the VLE. In line with the College's commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to VLE.

Identify final assessment component and element	Oral presentation of case study	
% weighting between components A and B (Standard modules only)	**A:** **30%**	**B**: **70%**

First Sit	
Component A (controlled conditions) **Description of each element**	**Element weighting**
1. Oral presentation of case study	100%
Component B **Description of each element**	**Element weighting**
1. Written assignment	100%

Resit (further attendance at taught classes is not required)	
Component A (controlled conditions) **Description of each element**	**Element weighting**
1. Oral presentation of case study	100%
Component B **Description of each element**	**Element weighting**
1. Written assignment	100%
If a student is permitted a retake of the module under the University Regulations and Procedures, the assessment will be that indicated by the Module Description at the time that retake commences.	