



ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Biodiversity				
Module Code	UINXK6-15-1	Level	1	Version	1.1
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) Applied Animal Science BSc (Hons) Applied Animal Science (SW) BSc (Hons) Animal Science (SW) BSc (Hons) Animal Science (SW) FdSc Animal Science and Management FdSc Animal Behaviour and Welfare				
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
First CAP Approval Date	29 May 2013		Valid from	01 September 2013	
Revision CAP Approval Date	V1.1- 07 July 2016		Revised with effect from	01 September 2016	

Review Date	01 September 2019
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Part 2: Learning and Teaching	
Learning Outcomes	On successful completion of this module students will be able to: <ol style="list-style-type: none"> 1 Describe the classification of living organisms including the five kingdoms (A, B). 2 Explain major theories of the origins of life on Earth and evolution using scientific evidence (A). 3 Discuss the impact of environmental change on speciation and extinction and relate to conservation effort (A, B). 4 Demonstrate a knowledge of the ecological processes controlling the distribution and abundance of organisms and functioning of ecosystems (A, B). 5 Discuss the diversity of life, from the simplest cell to <i>Homo sapiens</i> (A). 6 Demonstrate evolutionary processes or relationships (A).
Syllabus Outline	<ol style="list-style-type: none"> 1 History of life on earth: chronological series, evolutionary processes. 2 Importance of natural selection for adaptive radiation and speciation. 3 Species divergence and classification.

	<p>4 Species explosions and extinction.</p> <p>5 Populations: life history strategies, population dynamics, intra-specific competition, dispersal and migration.</p> <p>6 Communities: inter-specific competition, niche, predator-prey relationships.</p> <p>7 Ecosystems: food chains and webs, energy and nutrient flows, trophic levels, succession, primary and secondary production.</p>												
Contact Hours	<p>Indicative delivery modes:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Lectures, guided learning, seminars etc.</td> <td style="text-align: right;">33</td> </tr> <tr> <td>Self-directed study</td> <td style="text-align: right;">3</td> </tr> <tr> <td>Independent learning</td> <td style="text-align: right;">114</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">150</td> </tr> </table>	Lectures, guided learning, seminars etc.	33	Self-directed study	3	Independent learning	114	TOTAL	150				
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Teaching and Learning Methods	<p>A variety of learning methods will be employed as part of this module. The majority of the learning outcomes will be delivered via lectures, which will include group tasks. A number of field work sessions will support the theoretical knowledge developed in lectures and be used for assessment. Guided learning will be provided and will supplement learning during the annual study week, and allow students an opportunity to explore a topic through their own research skills. Independent learning will incorporate the preparation and writing of an assignment, revision for the examination and further reading to support formal teaching.</p> <p>Scheduled learning May include lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.</p> <p>Independent learning May include hours engaged with essential reading, case study preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make.</p> <p>Virtual learning environment (VLE) This specification is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE.</p>												
Key Information Sets Information	<p>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.</p> <p>Key information set – module data</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Number of credits for this module</td> <td style="text-align: center; border: 1px solid black;">15</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">Hours to be allocated</th> <th style="width: 25%;">Scheduled learning and teaching study hours</th> <th style="width: 20%;">Independent study hours</th> <th style="width: 20%;">Placement study hours</th> <th style="width: 20%;">Allocated hours</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">150</td> <td style="text-align: center;">36</td> <td style="text-align: center;">114</td> <td style="text-align: center;">0</td> <td style="text-align: center;">150</td> </tr> </tbody> </table> <p>The table below indicates as a percentage the total assessment of the module which constitutes a:</p> <ol style="list-style-type: none"> 1 <i>Written exam:</i> Unseen written exam, open book written exam, in-class test. 2 <i>Coursework:</i> Written assignment or essay, report, dissertation, portfolio, project. 3 <i>Practical exam:</i> Oral assessment and/or presentation, practical skills assessment, practical exam. 	Number of credits for this module	15	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated hours	150	36	114	0	150
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	<p>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:</p> <p>Total assessment of the module:</p> <table border="1" data-bbox="954 333 1083 477"> <tr> <td>Written exam assessment percentage</td> <td>50%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td>50%</td> </tr> <tr> <td>Practical exam assessment percentage</td> <td>0%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Written exam assessment percentage	50%	Coursework assessment percentage	50%	Practical exam assessment percentage	0%		100%
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	100%								
Reading Strategy	<p>Essential reading Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be expected to purchase a set text, be given a 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.</p> <p>Further reading Further reading is advisable for this module, and students will be encouraged to explore at least one of the titles held in the library on this topic. A current list of such titles will be given in the module handbook and revised annually.</p> <p>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.</p>								
Indicative Reading List	<p>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. However, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide.</p> <p>Books:</p> <p>Futuyma, D.J. (Current Edition) <i>Evolution</i>. Sunderland, MA.: Sinauer Associates</p> <p>Hambler, C. and Canney, S.M. (current edition) <i>Conservation</i>. Cambridge: Cambridge University Press</p> <p>Ridley, M. (Current Edition) <i>Evolution</i>. London; Blackwell Science Ltd.</p> <p>Stearns, S. C., Hoekstra, R. F. (current edition) <i>Evolution; An Introduction</i>. Oxford: Oxford University Press</p> <p>Wilson, E.O. (Current Edition) <i>The Diversity of Life</i>. London: Penguin Press</p> <p>Websites and databases:</p> <p>Evolution http://www.blackwellpublishing.com/ridley/</p> <p>Natural History Museum http://www.nhm.ac.uk/nature-online/evolution/index.html</p> <p>Understanding Evolution http://evolution.berkeley.edu/evolibrary/home.php</p>								

Part 3: Assessment

Assessment Strategy	<p>The assessment for this module will be based on a written examination and an individual field studies report. The examination provides an opportunity for students to be tested on a wide range of subject knowledge across all learning outcomes to support students in appreciating the interconnected topics covered within the module, and relevant to the natural world. The field studies report will be a representation of progressive subject knowledge detailing methods, findings and conclusions of scheduled practical sessions</p>
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	<p>based on measuring diversity and conservation practice to allow application of knowledge and understanding in a professional manner.</p> <p>Opportunities for summative feedback will be provided on both the field studies report and examination scripts, as outlined above. Formative feedback will be provided throughout the module in the form of question and answer sessions, short quizzes throughout the module and discussions within lecture time.</p> <p>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.</p>
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Identify final assessment component and element	Written Examination	
% weighting between components A and B (Standard modules only)	A: 50%	B: 50%
First Sit		
Component A (controlled conditions) Description of each element	Element weighting	
1. Written Examination (1 hour)	100%	
Component B Description of each element	Element weighting	
1. Field Studies Report (1500 words)	100%	

Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting	
1. Written Examination (1 hour)	100%	
Component B Description of each element	Element weighting	
1. Field Studies Report (1500 words)	100%	
<p>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.</p>		