



**CORPORATE AND ACADEMIC SERVICES**

**MODULE SPECIFICATION**

**Part 1: Basic Data**

Module Title	Sustainable Management of Natural Resources				
Module Code	UILV3Q-15-3	Level	3	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) Agriculture, Conservation and Sustainable Management BSc (Hons) Agriculture (Top-up) BSc (Hons) Conservation (Top-up)				
Pre-requisites	None	Co- requisites	None		
Excluded Combinations	None	Module Entry requirements	None		
Valid From	01 September 2015	Valid to	01 September 2021		

<b>CAP Approval Date</b>	12 January 2015
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**Part 2: Learning and Teaching**

Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> <li>1. Critically evaluate factors associated with sustainable management of the global environment. (A)</li> <li>2. Appraise and apply global policy and legislation with regard to sustaining natural resources and the environment. (A)</li> <li>3. Critically evaluate the sustainable use of renewable and non-renewable resources. (A)</li> <li>4. Critique environmental assessment techniques used in sustainable management. (A)</li> <li>5. Evaluate approaches to effective sustainable management of natural resources. (A)</li> </ol>
Syllabus Outline	<ul style="list-style-type: none"> <li>• The concept of sustainability: political, technological, social, cultural and economic influences</li> <li>• Human impacts: the world without humans (future challenges)</li> </ul>

	<ul style="list-style-type: none"> <li>• Resource management: soil, air, water, nutrients, minerals, food, timber, energy, waste</li> <li>• The policy, institutional and legislative framework for sustainability</li> <li>• International approaches to good management: overcoming barriers to sustainability</li> <li>• Sustainability in the built environment</li> <li>• Environmental audit and assessment techniques</li> <li>• Indicators of sustainability</li> </ul>																		
Contact Hours	<p>Indicative delivery modes:</p> <ul style="list-style-type: none"> <li>• Lectures, site visits, guided learning, seminars etc: 33 hours</li> <li>• Self – directed study: 3 hours</li> <li>• Independent learning: 114 hours</li> </ul> <p>Total 150</p>																		
Teaching and Learning Methods	<p>A variety of learning strategies will be used including lectures and seminars and self-directed learning. Students will also be expected to engage in independent learning throughout the module which will involve the preparation and writing of a poster, revision for the examination and further reading to support formal teaching.</p> <p><b>Scheduled learning</b> includes lectures, seminars, tutorials and fieldwork/site visits.</p> <p><b>Independent learning</b> includes hours engaged with essential reading, 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><b>Virtual Learning Environment (VLE)</b> The module will be supported by the VLE where students will be able to find all necessary module information. Direct links to information sources will 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> <table border="1" data-bbox="480 1350 1377 1677"> <tr> <td colspan="5"><i>Number of credits for this module</i></td> <td>15</td> </tr> <tr> <td>Hours to be allocated</td> <td>Scheduled learning and teaching study hours</td> <td>Independent study hours</td> <td>Placement study hours</td> <td>Allocated Hours</td> <td></td> </tr> <tr> <td>150</td> <td>36</td> <td>114</td> <td>0</td> <td>150</td> <td></td> </tr> </table> <p>The table below indicates as a percentage the total assessment of the module which constitutes -</p> <p><b>Written Exam:</b> Unseen written exam, open book written exam, In-class test  <b>Coursework:</b> Written assignment or essay, report, dissertation, portfolio, project  <b>Practical Exam:</b> Oral Assessment and/or presentation, practical skills assessment, practical exam</p>	<i>Number of credits for this module</i>					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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Reading Strategy	<p><b>Essential readings</b> 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.</p> <p><b>Further readings</b> 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.</p> <p><b>Access and skills</b> 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. CURRENT advice on additional reading will be available via other more frequently updated mechanisms.</p> <p>Books</p> <p>Barker, J. F. (Current Edition) <i>England in the New Millennium: are we prepared to save our countryside?</i> Sheffield: Gaia Watch.</p> <p>Cole, J. (Current Edition) <i>Global 2050: A Basis for Speculation</i>. Nottingham: Nottingham University Press.</p> <p>Harremoës, P., Gee, D., MacGarvin, M., Stirling, A., Keys, J., Wynne, B. and Guedes Vaz, S. eds. (Current Edition) <i>The Precautionary Principle in the 20th century. Late lessons from early warnings</i>. London: Earthscan Publications Ltd.</p> <p>Lomborg, B. (Current Edition) <i>The Sceptical environmentalist</i>. Cambridge: Cambridge University Press.</p> <p>Miller, G. T. (Current Edition) <i>Living in the Environment</i>. California, USA: Wadsworth Publishing.</p> <p>Visser, W. (Current Edition): <i>The Top 50 Sustainability Books</i>. Sheffield: Greenleaf publishing.</p>																				

	<p>Journals</p> <p>Biodiversity Conservation</p> <p>Journal of Ecology</p> <p>Nature: International Weekly Journal of Science</p> <p>Journal of Sustainability</p> <p>Websites</p> <p>Institute of Ecology and Environmental Management: <a href="http://www.ieem.net">www.ieem.net</a></p> <p>British Ecological Society: <a href="http://www.britishecologicalsociety.org/">www.britishecologicalsociety.org/</a></p> <p>DEFRA: <a href="http://www.defra.gov.uk">www.defra.gov.uk</a></p> <p>Joint Nature Conservation Committee <a href="http://www.jncc.gov.uk">www.jncc.gov.uk</a></p> <p>Natural England: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a></p> <p>The Convention on Biological Diversity: <a href="http://www.cbd.int">www.cbd.int</a></p> <p>European Commission Research and Innovation: <a href="http://ec.europa.eu/research/index.cfm">http://ec.europa.eu/research/index.cfm</a></p> <p>The International Union for the Conservation of Nature: <a href="http://www.iucn.org">www.iucn.org</a></p> <p>Natural Environment Research Council: <a href="http://www.nerc.ac.uk">www.nerc.ac.uk</a></p> <p>The United Nations Environment Programme: <a href="http://www.unep.org">www.unep.org</a></p>
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Part 3: Assessment	
Assessment Strategy	<p>The examination will facilitate in depth application of the information covered throughout the module assessed under controlled conditions.</p> <p>Formative feedback and guidance can be gained in the module delivery, on Blackboard, in tutorials and in revisions sessions. Summative feedback can be gained on exam scripts and on blackboard.</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 the VLE.</p>

Identify final assessment component and element	Written Examination	
% weighting between components A and B (Standard modules only)	A: 100%	B: 0%
<b>First Sit</b>		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Written Examination (2 hours)	100%	

<b>Resit (further attendance at taught classes is not required)</b>	
<b>Component A</b> (controlled conditions) <b>Description of each element</b>	<b>Element weighting</b> <b>(as % of component)</b>
1. Written Examination (2 hours)	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.	