



ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Environmental Protection and Sustainability (distance learning)				
Module Code	UZVRTP-15-M	Level	M	Version	1.1
Owning Faculty	Health and Applied Sciences	Field	Health and Social Sciences		
Contributes towards	PGCert/PGDip/MSc Environmental Health MSc Environmental Health Studies				
UWE Credit Rating	15	ECTS Credit Rating	7.5	Module Type	Standard
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	None	
Valid From	January 2015		Valid to	January 2021	

CAP Approval Date	22/10/2014
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Part 2: Learning and Teaching	
Learning Outcomes	<p>On successful completion of this module students will be able to access, synthesise, critically analyse and apply knowledge and understanding of:</p> <ol style="list-style-type: none"> 1. the links between environment, health and sustainable development (Comp A & B); 2. those aspects and processes of human activity that may give rise to environmental contamination and impact on human health (Comp A & B); 3. the efficacy of a range of pollution prevention and control strategies/interventions (Comp A & B); 4. environmental law and standards at UK and supranational level and their efficacy in combating local and trans-boundary emissions (Comp A & B); 5. the role of environmental health practitioners in conjunction with other agencies and stakeholders in managing environmental risk (Comp A & B);
Syllabus Outline	<ul style="list-style-type: none"> • Introduction to the concepts of environment, health and sustainable development and how they relate to one another; • Development and implementation of pollution management policies and strategies by local government, central government and international agencies; National, European and international perspectives on pollution incidents and management; • Roles and functions of the various agencies involved in environmental protection and how they interact and collaborate; • Environmental protection by the development and use of strategic policies such as land use planning, transport, recycling and re-use of materials;

	<ul style="list-style-type: none"> • Environmental quality guidelines, standards and objectives for air, water and land; • The treatment of water and sewage and implications for the health and safety of water supplies and surface waters including bathing water; • Environmental and health impact assessment. Integrated pollution prevention and control and the best practical environmental option; • The origin and nature of the law of nuisance and the use of statutory nuisance as a remedy in environmental health practice; • Noise monitoring and abatement methods; the use of national and international standards and guidelines in assessing the impact of noise; • Air quality theory and management; challenges to improving air quality; • Environmental radiation associated with high-voltage power transmission, telephony and natural emissions such as radon. • Procedures for the determination and management of contaminated land. • Principles of sustainable development and their influence on waste management strategies.
Contact Hours	<p>This distance learning module provides a blended learning approach utilizing asynchronous online activities (including lectures, reading, quizzes, videos) and synchronous tutorials (seminars/discussions). Progress through the module is managed through time-dependent release of online resources to ensure structured progression through the learning materials and the synchronous activities promote development of the student-tutor relationship and encourage a cohort identity in addition to supporting core learning. Approximately 30 hours of directed study (e.g. online lectures, seminars, etc) are delivered via Blackboard.</p>
Teaching and Learning Methods	<p>Teaching is delivered in the format of up to 12 online lectures (delivered with Adobe Presenter software or software of an equivalent nature), plus online seminars, formative assessments and other forms of interactive/collaborative activities utilising tools such as Blackboard Collaborate, Blogs, Wikis, quizzes and discussion boards. These are delivered via the Blackboard online learning platform. .</p> <p>Essential, indicative and supplementary online learning materials and resources are also provided via Blackboard, with links to online library resources</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>Further detail on Key Information Sets and how the University is implementing its requirements can be found at https://share.uwe.ac.uk/sites/ar/kis/KIS%20Background%20Information/Forms/AllItems.aspx. This also contains further guidance on how to complete the information requested below.</p> <p>A KIS is required for every undergraduate programme (including integrated Masters and foundation degrees) so please fill this section if this module will contribute to an undergraduate programme.</p>

Key Information Set - Module data

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	30	120	0	150	

*This includes synchronous and asynchronous activities.

The table below indicates as a percentage the total assessment of the module which constitutes a -

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:

Total assessment of the module:	
Written exam assessment percentage	0%
Coursework assessment percentage	70%
Practical exam assessment percentage	30%
	100%

Reading Strategy

Core and Further Readings

All essential, indicative and supplementary reading is indicated and available via Blackboard, which include access to online databases, journals and e-textbooks. Students are recommended two or three core e-textbooks, which they can choose to purchase if they wish. They are required to access a range of indicated peer reviewed online academic journals to prepare for the assignment, all accessible via the online UWE Library.

All recommended reading is available online via Blackboard and the UWE Library, which supports individual lectures, seminars and topics. Students are expected to research other reading materials relevant to their assignment and to read widely using the variety of online resources at their disposal. The purpose of further reading is to ensure students become familiar with current research and practice relevant to the syllabus.

Access and Skills

Development of literature searching skills is supported by the online UWE Library service which includes 24 hour online support, tutorial support and downloadable materials; these include interactive tutorials on finding books and journals, evaluating information and referencing. Further details are available at <http://www1.uwe.ac.uk/library/>.

Indicative Reading List

The following indicative reading 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. Its currency may wane during the life span of the module specification. However, as indicated above, current advice on readings are available via the module's Blackboard homepage.

Textbooks

Barr, S. (2008) *Environment and Society*. Aldershot: Ashgate Publishing Limited. [Available as e-book]

Bassett W.H. (2004) *Clay's Handbook of Environmental Health*. 19th ed. London: Spon Press.

Bermingham, V. (2008) *Tort in a nutshell*. London: Sweet & Maxwell

Binnie, C. and Kimber, M. (2009) *Basic Water Treatment*. 4th ed. [Available as e-book]

Burroughs, W.J. (2007) *Climate Change – A multidisciplinary approach*. 2nd ed. New York: Cambridge University Press [Available as e-book]

Cabezas, H. and Diwekar, U. (2012) *Sustainability: Multi-Disciplinary Perspectives*. Bentham e books [Available as e-book]

Cromwell, D. and Levene, M. (2007) *Surviving Climate Change – The struggle to avert global catastrophe*. London: Pluto Press [Available as e-book]

Cozzarini, C. and Lenz, H. P. (1999) *Emissions and Air Quality*. SAE International [Available as e-book]

Dawson, B. and Spannagle, M. (2008) *The complete guide to climate change*. Oxon: Routledge [Available as e-book]

Malcolm, R. and Pointing, J. (2011). *Statutory Nuisance: Law and Practice*. 2nd ed. Oxford: Oxford University Press

Murphy, J. and Witting, C. (2012) *Street on Torts*. 13th ed. Oxford: Oxford University Press

Nathanail, P. and Bardos, P. (2005) *Reclamation of Contaminated Land*. Chichester: John Wiley & Sons Ltd. [Available as e-book]

Rom, W. (2012) *Environmental Policy and Public Health*. San Francisco: Jossey-Bass [Available as e-book]

Wolf, S. and Stanley, N. (2011) *Wolf and Stanley on Environmental Law*. 5th ed. London: Routledge. [Available as e-book]

Journal Articles

Chatterton, T., Longhurst, J., Leksmono, N., Hayes, E. and Symons, J.K., (2007). Ten years of Local Air Quality Management experience in the UK: An analysis of the process. *Clean Air and Environmental Quality*. 41(4), pp. 26-31.

Longhurst, J., Beattie, C., Chatterton, T., Hayes, E., Leksmono, N., and Woodfield, N. (2006) Local air quality management as a risk management process: assessing,

managing and remediating the risk of exceeding an air quality objective in Great Britain. *Environment International*. 32(8), pp. 934-947.

Olowoporoku, A., Hayes, E., Leksmono, N., Longhurst, J. and Parkhurst, G. (2010) A longitudinal study of the links between Local Air Quality Management and Local Transport Planning policy processes in England. *Journal of Environmental Planning and Management*. 53 (3), pp. 385 – 403.

Stansfield, J. and Matheson, M. (2003) Noise pollution: non-auditory effects on health. *British Medical Bulletin*. 68 (1), pp. 243-257.

World Health Organisation (2011) *Burden of disease from environmental noise – quantification of healthy life years lost in Europe*. Copenhagen: World Health Organisation

World Health Organisation (1999) *Guidelines for Community Noise*. Geneva: World Health Organisation

Journals

Environment, Development and Sustainability
British Journal of Environment and Climate Change
Environment and Pollution
Environment International
Risk Analysis

All these can be accessed via the e-journal: A-Z repository on the Library website' <http://dd6lh4cz5h.search.serialssolutions.com/>

Websites

Relevant recommended websites are listed in the online module handbook and on Blackboard.

Part 3: Assessment

Assessment Strategy

The Assessment Strategy has been designed to support and enhance the development of both subject-based and generic key skills, whilst ensuring that the module's Learning Outcomes are attained. The assessment for this module comprises of an online group viva and a written theory based assignment. This two part assessment assesses all the specific module learning outcomes in addition to the CIEH Knowledge and Skills domains. Full details can be found in the Module Handbook and on the module's Blackboard site.

Component A comprises of the production an on-line group presentation. Working within designated groups, students will collaborate on-line to produce and deliver a presentation to a target audience. The presentation topic will be based on a contemporary environmental protection theme of public health significance and will require students to research and engage critically with a range of qualitative and quantitative data sources. The use of an on-line group presentation serves to facilitate group cohesion and identity as a learning community, in addition to developing collaborative working attributes and digital literacy skills which are commonly employed in professional practice.

Component B comprises of a written theory based assignment of not more than 1500 words (excluding tables, figures and references) which will address a contemporary policy challenge relating to the theme of environment, health and sustainability. The ability to exert influence on policy makers, industry and members of the public is a key skill in environmental health practice and therefore the written assignment will require students to critically analyse and

	<p>evaluate alternative perspectives and synthesise ideas to address a particular policy challenge.</p> <p>Formative Assessment</p> <p>Opportunities exist for formative assessment in the module, through Blackboard collaborate sessions and individual feedback</p>
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Identify final assessment component and element	Component A	
% weighting between components A and B (Standard modules only)	A:	B:
	30	70
First Sit		
Component A (Controlled conditions) Description of each element	Element weighting	
1. Online Group Viva	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. Online Group Viva	100%	
Component B Description of each element	Element weighting	
1. Written assignment	100%	
<p>If a student is permitted an EXCEPTIONAL RETAKE of the module the assessment will be that indicated by the Module Description at the time that retake commences.</p>		