Module Specification

Environmental Protection

Version: 2023-24, v2.0, 20 Jul 2023

Contents

Part 1: Information

Module title: Environmental Protection

Module code: UZVSL8-30-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Health & Applied Sciences

Department: HAS Dept of Social Sciences

Partner institutions: None

Field: Health, Community and Policy Studies

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

In addition the educational experience may explore, develop, and practise but not formally discretely assess the following:

Group and collaborative work
Develop knowledge and expertise of research

Outline syllabus: Principles of Hearing and Sound Propagation. Examination of sources and impacts of Noise and their effects. Measurement of Sound and interpretation of results. Determination of health impacts of noise. Examination of methods of control and understanding and assessments of impacts.

History of Pollution Control leading to an outline of the current regulatory regime.

Nature, sources and types of Air Pollution – smoke, gaseous, particulates, dust odour. Methods of measurement and control. Effects on human health and the environment.

Sources of Water Pollution. Methods of sampling and interpretation of analytical results. Prevention and control of water pollution. Bathing and recreational water quality. Sustainable Urban Drainage systems. Potable water and private water supplies.

Nature, sources and remediation of Land Pollution. Consideration of the differing elements of the Contaminated Land Regime. Understanding and establishing source-receptor pathways and control measures.

Approaches to waste management. Importance of the Waste Management Hierarchy. Waste collection and treatment processes. Environmental and Public Health impacts of waste management. Organisation and management of waste operations.

Part 3: Teaching and learning methods

Teaching and learning methods: Introductory lectures are supported by seminars, case studies, visits and practical workshops. If normal delivery is not possible, it is

planned to increase the online delivery of this module.

300 hours study time of which 102 hours will represent scheduled learning.

Scheduled learning includes lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion. Student study time will be organised each week with a series of both essential and further readings and preparation for practical workshops. It is suggested that preparation for lectures, practical workshops and seminars will take 4 hours per week with a further expectation of 24 hours preparation for Poster defence, 24 hours used in essay assignment planning and completion and 30 hours study in preparation for the written examination.

This module will be taught across both semesters on one day per week allowing both full and part time routes to be timetabled effectively.

Scheduled learning includes lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.

Independent learning includes 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.

Placement learning: may include a practice placement, other placement, year abroad.

Contact Hours:
300 hours total study time

102 hours scheduled learning

Scheduled learning will typically include lectures, seminars, case studies, external visits and an interactive forum. All students are expected to attend a series of tutorials.

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Interpret the meaning of 'Environmental Protection'; the various components which comprise the function and its relationship with the other elements of Public and Environmental Health.

MO2 Examine sources physical, chemical and biological pollutants and evaluate their impacts on exposure pathways

MO3 Compare acquired and predictive data, to understand implications on human health and the wider environment.

MO4 Undertake monitoring, measurement, sampling of pollutants and accurately record and predict the likely outcomes from the results

MO5 Illustrate the impacts of pollutants on human health, the effects on the environment and the implications and impacts of interventions.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 198 hours

Face-to-face learning = 102 hours

Total = 300

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/index.html

Part 4: Assessment

Assessment strategy: A range of assessment techniques will be employed to ensure that learners can meet the breadth of learning outcomes presented in this module alongside the ability to demonstrate transferable skills e.g. communication skills. This module contains an assessment which relies upon a field visit. If this cannot take place then other arrangements will be made.

Examination: Online open book exam with a 24 hour window for completion. A set of questions will be designed to allow students to apply first principles of their academic study to unseen scenarios.

Essay: An extended piece of writing encouraging students to engage with both the essential and the further reading to justify an intervention within the field of environmental protection.

Practical Assessment: Controlled interview on the subject of the monitoring of pollutant(s) in the environment. This can be managed on line if required.

Opportunities for formative assessment exist for each of the assessment strategies used. Verbal feedback is given and all students will engage with personalised tutorials setting SMART targets as part of the programme design.

Assessment tasks:

Examination (Online) (First Sit)
Description: Online open book examination (24 hours)
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO5

Written Assignment (First Sit)
Description: 1500 word essay
Weighting: 35 %
Final assessment: No

Group work: No
Learning outcomes tested: MO2, MO3

Presentation (First Sit)
Description: Controlled interview (15 mins)
Weighting: 15 %
Final assessment: No
Group work: No
Learning outcomes tested: MO4

Examination (Online) (Resit)
Description: Online open book examination (24 hours)
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO5

Written Assignment (Resit)
Description: 1500 word essay
Weighting: 35 %
Final assessment: No
Group work: No
Learning outcomes tested: MO2, MO3

Presentation (Resit)
Description: Controlled interview (15 mins)
Weighting: 15 %
Final assessment: No
Group work: No
Learning outcomes tested: MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Public and Environmental Health [UCW] - Withdrawn FdSc 2022-23

Environmental Health and Practice [UCW] - Withdrawn MSci 2022-23

Environmental Health and Practice [UCW] - Withdrawn MSci 2022-23

Public and Environmental Health [UCW] - Withdrawn FdSc 2022-23