



Module Specification

Sustainable Resource Management

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Part 1: Information

Module title: Sustainable Resource Management

Module code: UBGMWD-15-2

Level: Level 5

For implementation from: 2022-23

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Geography & Environmental Mgmt

Partner institutions: None

Delivery locations: Frenchay Campus

Field: Geography and Environmental Management

Module type: Standard

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: Module Entry Requirements

Students must have 60 credits at level 1.

Educational aims: See Learning Outcomes

Outline syllabus: The module begins by reaffirming and developing previous knowledge about sustainable development and offers a contemporary perspective on some of the political, economic, technical and behavioural challenges and tensions relating to the pursuit of sustainable resource management. After establishing these basic foundations, the module offers a critical appraisal of the theory and practice of promoting sustainable resource management in key sectors such as energy, water, forestry and agriculture. Students are introduced to some of the key factors that can affect the supply and demand of key national resources, and the implications that can arise in response. The module encourages critical thinking in the development of solutions and initiatives for promoting more sustainable and equitable resource use.

Specific themes explored through the module include:

- The definition, context and drivers of sustainable and unsustainable development
- The drivers and trends of global resource availability and allocation
- The ethics of resource allocation in an unequal world
- Approaches to assessing the life cycle impacts of key resources such as energy, water, food, forests and minerals
- The theory and practice of sustainable resource management and the implications for future infrastructure, products and services.

Part 3: Teaching and learning methods

Teaching and learning methods: Students will receive, on average, 3 hours of contact each week in the form of lectures, fieldwork, or seminars. In addition to the formal classes, students will be set key reading and/or activities to complete for future sessions.

Hours

Contact time 36

Assimilation and development of knowledge 39

Assessment preparation 75

Total study time 150

Scheduled learning on this module comprises a programme of lectures during which sessions there will be break-out group activities, supported by fieldwork or seminars.

Independent learning includes time engaged with essential reading, practical tasks and assessment preparation.

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

MO1 Critically analyse national need and supply in the context of a defined resource sector, such as agriculture, energy, water or forestry.

MO2 Examine the type of factors that can influence national resource supply, such as global pricing, international agreements, and local decision-making processes.

MO3 Assess the nature and severity of impact arising from the use and management of a defined resource sector, such as agriculture, energy, water or forestry.

MO4 Analyse potential pathways for securing more sustainable and equitable resource use in a defined sector, such as agriculture, energy, water or forestry

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/ubgmwd-15-2.html) via the following link

<https://uwe.rl.talis.com/modules/ubgmwd-15-2.html>

Part 4: Assessment

Assessment strategy: The assessment strategy is built on the premise of assessment for learning and learning by doing. Assessment comprises a single component, with students being required to complete two equally weighted elements that will connect to a single case study that students will be expected to select and define. These elements will comprise written assignments that will allow students to incorporate the knowledge they are gaining from the module, as well as their own case study research.

The assessment has been chosen to support student engagement, academic performance, professional development and satisfaction through:

- an approach of continuous assessment, with feedback from element 1 being used to inform the response to element 2
- placing emphasis on self-directed and independent learning
- consolidating and developing research and critical thinking and writing skills
- supporting the development of industry-relevant knowledge and skills through engaging with real-world challenges in sustainable resource management
- encouraging the development of personal interests and specialisms.

The assessments are described in more detail below:

Summative Assessment

Component A - Element 1. Individual written assignment of 1,500 words to respond to learning outcomes 1 and 2.

Component A - Element 2. Individual written assignment of 1,500 words to respond to learning outcomes 3 and 4.

Formative Assessment

The assessment strategy places emphasis on a “feed-forward” approach, where students use timely formative feedback to improve their performance in summative assignments. This will include in class discussions of practical exercises, which

develop lecture material within the context of case studies. Feedback from the assignment submitted in support of element 1 will be used to inform element 2.

Resit assessment

Rather than submit two separate written assignments, students will be required to make a single submission that combines both elements together. Where relevant, students will be able to draw from feedback given on either formative or summative submissions.

Assessment components:

Written Assignment - Component A (First Sit)

Description: Individual written assignment 1 (1,500 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

Written Assignment - Component A (First Sit)

Description: Individual written assignment 2 (1,500 words).

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO4

Written Assignment - Component A (Resit)

Description: Individual assignment.

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Environmental Management and Practice {Foundation} [Feb][FT][GCET][4yrs] BSc (Hons) 2020-21

Environmental Management and Practice {Foundation} [Oct][FT][GCET][4yrs] BSc (Hons) 2020-21

Environmental Management [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Environmental Management [Sep][SW][Frenchay][4yrs] BSc (Hons) 2021-22

Geography [Sep][FT][Frenchay][3yrs] BA (Hons) 2021-22

Geography [Sep][FT][Frenchay][3yrs] BSc (Hons) 2021-22

Geography [Sep][SW][Frenchay][4yrs] BSc (Hons) 2021-22

Geography [Sep][SW][Frenchay][4yrs] BA (Hons) 2021-22

Geography and Planning [Sep][FT][Frenchay][3yrs] BA (Hons) 2021-22

Geography and Planning [Sep][SW][Frenchay][4yrs] BA (Hons) 2021-22

Geography and Planning {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2020-21

Geography and Planning {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2020-21

Geography {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21

Environmental Management {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Environmental Management {Foundation} [Sep][SW][Frenchay][5yrs] BSc (Hons) 2020-21

Geography {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2020-21

Geography {Foundation} [Sep][SW][Frenchay][5yrs] BA (Hons) 2020-21

Geography {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2020-21