



Module Specification

Practising Waste Management

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Part 1: Information

Module title: Practising Waste Management

Module code: UBGMTK-15-3

Level: Level 6

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Environment & Technology

Department: FET Dept of Geography & Environmental Mgmt

Partner institutions: None

Field: Geography and Environmental Management

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: This module focuses on the management of solid wastes from industrial, commercial and domestic sources. It considers the environmental, social and economic challenges associated with waste management and the policy and technological solutions that have been developed in response.

Features: Not applicable

Educational aims: See Learning Outcomes.

Outline syllabus: Students will be introduced to the notion of a waste management hierarchy, with the module showcasing examples of where waste has been successfully minimised, or where strategies have been adopted to re-use, recycle or recover waste. Local, national, and international examples will be used to help identify the type of factors necessary for successful implementation. As part of this, students will be expected to understand the drivers, and evaluate the outcomes, of both policy and legislation. In terms of recovery, students will be exposed, and will need to critique, the wide-ranging options that exist for storing, collecting, transferring and treating waste. Students will be introduced to the key design and operational principles associated with reclamation. The planning, design and operation of reclamation facilities will be considered, with focus being directed to composting and anaerobic digestion, as well as thermal treatment processes. Landfill, as an option for storing waste, will also be introduced as a typical last resort, with the module outlining the type of principles that need to be adhered to if environmental impacts are to be minimised.

Part 3: Teaching and learning methods

Teaching and learning methods: Scheduled learning will comprise assessment and lectures. Lectures will provide a framework for understanding the reading and key issues covered by the module. Where possible, scheduled learning will be enhanced by guest lecturers and / or local site visits to help showcase the implementation of waste management strategies.

Independent learning will use directed reading via the online reading list and a selection of online resources, including appropriate case studies.

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

MO1 Develop a critical appreciation of the challenges surrounding the generation and treatment of waste

MO2 Critically consider the role of theory in the practical application of waste management

MO3 Critically discuss and evaluate the role of policy and legislation in the implementation of waste management

MO4 Identify, and critically assess, the options for reducing, reusing, recycling and recovering waste

MO5 Develop a critical awareness of the factors necessary for the successful delivery of policy and projects in the waste management sector

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/index.html) via the following link <https://uwe.rl.talis.com/index.html>

Part 4: Assessment

Assessment strategy: Practical skills assessment - requires students to engage, synthesise and critique waste management policy. The component requires the production of an audio/visual podcast which will require students to critically review a plan or strategy prepared for the pursuit of sustainable waste management at a defined location. Requiring a podcast will allow students to develop, and suitably demonstrate, skills in verbal and visual communication. A podcast provides flexibility with respect to the type of material that can be presented and generates a resource that can be shared with potential employers.

Students will need to synthesise the context and challenge surrounding their selected plan or strategy, and the policy and strategic options being pursued. They will also need to offer critical reflection on the type of impacts that their plan or strategy is expected to give rise to. Students will need to reflect on potential delivery challenges and make recommendations for improving implementation, by drawing

from relevant literature and best-practice case studies.

Formative support will be provided throughout the task with opportunities being provided for students to discuss their selected plan or strategy with module staff. This strategy will design out plagiarism and ensure this is the students' own work.

Resit Practical Skills Assessment - a similar brief to that described above, which may include some topic changes.

Assessment tasks:

Practical Skills Assessment (First Sit)

Description: Individual podcast (15 minutes)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Practical Skills Assessment (Resit)

Description: Individual podcast (15 minutes)

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4, MO5

Part 5: Contributes towards

This module contributes towards the following programmes of study:

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

Environmental Management [Sep][SW][Frenchay][4yrs] BSc (Hons) 2020-21

Environmental Management {Foundation} [Sep][FT][Frenchay][4yrs] - Not Running
BSc (Hons) 2020-21

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