



## **Module Specification**

# Sustainable Transport Management and Operations

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## Part 1: Information

**Module title:** Sustainable Transport Management and Operations

**Module code:** UBGLWP-15-M

**Level:** Level 7

**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:** Not applicable

**Features:** Not applicable

**Educational aims:** See Learning Outcomes

**Outline syllabus:** Sustainability definitions applied to transport (including consideration of trade-offs between environmental, social and commercial objectives).

The design, management, operation and regulation of:

Urban passenger transport systems;

Inter-urban passenger transport systems;

Aviation;

Freight (including logistics and optimisation); and

Terminii / interchanges.

Best environmental operating practice for transport operators.

Future trends in technological development and environmental performance.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** Contact with students will be on a weekly or bi-weekly basis across a single semester.

Scheduled learning

The contact time will comprise interactive lecture-discussion slots, combined with individual and small group work on assigned tasks. This module may be taught over a semester or as a block, depending on demand.

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

**MO1** Evaluate how innovations in passenger and freight transport systems can contribute to sustainability goals, including transport decarbonisation

**MO2** Explain how passenger and freight transport systems are regulated, managed and operated, recognising the differences between public and private provision and how they interface

**MO3** Explain the requirement for and the challenge of achieving integration between different passenger and freight transport systems

**MO4** Evaluate the trade-offs required by transport operators to address sustainability objectives, at the same time as maintaining financial viability

**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/ubglwp-15-m.html) via the following link <https://uwe.rl.talis.com/modules/ubglwp-15-m.html>

## **Part 4: Assessment**

**Assessment strategy:** Formative Feedback - Students will be required to engage with and expand on the learning materials provided online and in class through two individual project assignments. Workshop sessions will be scheduled to provide students with support and formative feedback.

### The Assignment

Portfolio (2000 words) - students will be required to write a personal critical reflection on material examined in class.

Report (2000 words) - a project designed for students to develop and demonstrate understanding of practical management and operational issues and of the challenging trade-offs required to achieve sustainability goals in the transport sector.

Resit Portfolio - as above

Resit Report - as above

### **Assessment tasks:**

#### **Portfolio (First Sit)**

Description: Individual portfolio (2000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Report (First Sit)**

Description: Individual project report (2000 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4

**Portfolio (Resit)**

Description: Individual portfolio (2000 words)

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Report (Resit)**

Description: Individual report (2000 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Transport [Frenchay] MSc 2023-24

Transport Engineering and Planning [Frenchay] MSc 2023-24

Transport Engineering and Planning [Frenchay] MSc 2022-23