Module Specification

Transport and Mobility

Version: 2023-24, v2.0, 31 Jul 2023

Contents

Part 1: Information

Module title: Transport and Mobility

Module code: UBGLC1-15-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

College: Faculty of Environment & Technology

School: FET Dept of Geography & Envrnmental 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: The world is becoming increasingly mobile. Recent transport trends show a continued increase in both personal mobility and the transportation of goods and products to satisfy modern lifestyles. This module explores important issues related to transport and mobility, with a particular focus on sustainability and the environmental and social challenges presented by modern transport patterns and behaviours. The module will introduce different theoretical perspectives for understanding human movement and its impacts, and link this to current case-

studies from across the world.

Building on this, the module will also look to the future, and question what the impacts of current transport tends might be in the decades ahead. There will be a focus on the management of global challenges created by our current transport systems, including greenhouse gas emissions, air quality impacts, health and wellbeing, resource use, and accessibility. These future challenges will be explored in the context of different possible solutions, including new transport technologies, sustainable transport policies, and behaviour change approaches.

The module syllabus will be taught with reference to a number of relevant case-studies. There will be a high-level focus on transport policies and the role of transport authorities in planning a more sustainable transport future.

Features: Not applicable

Educational aims: The aim of this module is twofold: (i) to provide students with a thorough understanding of important concepts and issues relevant to transport and mobilites; and (ii) to provide students with skills in critical analysis, report writing, and presentation relevant to addressing the issues studied on the module..
As explained in the module overview, transport and mobility are closely related to a number of modern challenges at all scales from the global to the local, including greenhouse gas emissions and climate change, air quality, individual health/wellbeing, and community cohesion. In taking this module students will be equipping themselves with knowledge and skills relevant to addressing these important issues we currently face.
This module contributes to broader programme themes related to sustainability and energy/resource use. It has been designed as a part of a transport series that runs through the programmes, from individual sessions on modules in the first year which introduce transport issues, through this module in the second year, to the final year module Sustainable Transport: Technologies and Behaviour.

Outline syllabus: Indicative topics to be covered include:
•Theoretical perspectives on transport and mobility
•Historical, current, and possible future trends in transport patterns
•Global transport challenges – greenhouse gas emissions, air quality impacts, health

and wellbeing, resource use, accessibility
•Approaches to managing transport and mobility challenges – transport technologies, transport policies, and behaviour change
•Tools for designing a sustainable transport policy to manage and mitigate the challenges modern mobility presents

Part 3: Teaching and learning methods

Teaching and learning methods: The module will be taught in class-based sessions that will involve instruction from a tutor, with a flexible format to the content and structure of the taught sessions themselves. The students will be taught by several tutors all with expertise in transport and the topics covered.

There will be sessions in which the students discuss the theories and the ways in which they are used based on their reading and on evidence from practice about how they are used. Other sessions will have a focus on a particular case study or topic are of interest/relevance. Some of the sessions will aligned with the assessment tasks, and will have a practical tutorial element to support students in developing the skills taught on the module.

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

MO1 Identify and explain the important social and environmental challenges presented by modern transport systems, and their relevance at local, national, and global scales.

MO2 Evaluate different approaches to managing transport challenges, including technological approaches, policy approaches, and behaviour change approaches.

MO3 Design an outline sustainable transport strategy focussed at a specific geographic scale to address one or more of the environmental and/or social challenges arising from modern transport systems and behaviours.

MO4 Explain and justify their own transport strategy in relation to case-studies of existing examples, research, and data.

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 via the following link https://rl.talis.com/3/uwe/lists/2ABF7C74-0E69-0381-3F38-D77EDE573458.html?draft=1&login=1

Part 4: Assessment

Assessment strategy: The Strategy:

These assessments have been chosen as they will support students to develop their understanding of issues and challenges related to transport via the group presentation, and also their skills in critical writing and the evaluation of possible responses to these challenges thorough the individual development of a sustainable transport strategy.

The Assessment:

Report (2,700 words max) - Individual design of an outline sustainable transport strategy which will address one or more of the transport challenges examined in the module.

Individual recorded presentation (10 minutes) - an individual recorded presentation on a self-chosen transport challenge and its potential solutions. Recorded in Panopto and submitted via Blackboard.

Resit Report - a similar brief to that described above, which may include some topic changes.
Resit Presentation - a similar brief to that described above, which may include some topic changes.

Assessment tasks:

Report (First Sit)
Description: Individual Report (2,700 words max).
Weighting: 75 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO3, MO4

Presentation (First Sit)
Description: Individual recorded presentation (10mins)
Weighting: 25 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2

Report (Resit)
Description: Individual Report (2,700 words max)
Weighting: 75 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO3, MO4

Presentation (Resit)
Description: Individual recorded presentation (10 mins)
Weighting: 25 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO2

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Urban Planning [Frenchay] BSc (Hons) 2022-23

Geography [Frenchay] BA (Hons) 2022-23

Urban Planning {Foundation} [Sep][FT][Frenchay][4yrs] - Withdrawn BSc (Hons) 2021-22

Urban Planning {Foundation} [Sep][SW][Frenchay][5yrs] - Withdrawn BSc (Hons) 2021-22