



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Sustainable Transport Management and Operations		
Module Code	UBGLWP-15-M	Level	Level 7
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Environmental Mgmt		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Educational Aims:</b> See Learning Outcomes</p> <p><b>Outline Syllabus:</b> Sustainability definitions applied to transport (including consideration of trade-offs between environmental, social and commercial objectives).</p> <p>The design, management, operation and regulation of:            Urban passenger transport systems;            Inter-urban passenger transport systems;            Aviation;            Freight (including logistics and optimisation); and            Termini / interchanges.</p> <p>Best environmental operating practice for transport operators.</p> <p>Future trends in technological development and environmental performance.</p> <p><b>Teaching and Learning Methods:</b> Contact with students will be on a weekly or bi-weekly basis across a single semester.</p>

## STUDENT AND ACADEMIC SERVICES

The learning will be made up of the following number of hours:

Directed contact learning: 36 hours

Independent Study: 36 hours

Assessment, including preparation: 78 hours

Total: 150 hours

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.

### Part 3: Assessment

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 assignments will require demonstration of independent learning of theory and critical reflection on work undertaken both in the classroom and during the assignment period outside the classroom.

First Sit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	50 %	Individual project report (2000 words)
Portfolio - Component B		50 %	Individual portfolio (2000 words)
Resit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	50 %	Individual report (2000 words)
Portfolio - Component B		50 %	Individual portfolio (2000 words)

### Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will achieve the following learning outcomes:	
	Module Learning Outcomes	Reference
	Show a detailed knowledge and understanding of how transport systems interrelate with the principles and policy of sustainable development, including climate change science	MO1
	Show a detailed knowledge and understanding of the relative modal dependencies of different transport markets	MO2
	Show a detailed knowledge and understanding of the potential that change in different transport sectors has both to influence the achievement of future sustainability objectives and to secure a profitable future for the transport industry	MO3
	Demonstrate knowledge of how different designs, technologies and techniques, both existing and evolving, influence the environmental and economic performance of transport systems from the perspectives of transport operators	MO4
	Demonstrate sophisticated awareness of the institutional constraints on development of a suitable sustainable transport policy framework	MO5
Show cognitive skills with respect to the relative importance of different aspects within a holistic perspective on the production of an efficient and integrated transport system, including service quality and economic and environmental costs	MO6	

## STUDENT AND ACADEMIC SERVICES

	Transferable skills in communication, self-management, IT skills, problem formulation and decision making, progression to independent learning, awareness of professional literature and working with others	MO7
Contact Hours	<b>Independent Study Hours:</b>	
	Independent study/self-guided study	114
	<b>Total Independent Study Hours:</b>	114
	<b>Scheduled Learning and Teaching Hours:</b>	
	Face-to-face learning	36
	<b>Total Scheduled Learning and Teaching Hours:</b>	36
	<b>Hours to be allocated</b>	150
	<b>Allocated Hours</b>	150
Reading List	<p>The reading list for this module can be accessed via the following link:</p> <p><a href="https://uwe.rl.talis.com/modules/ubglwp-15-m.html">https://uwe.rl.talis.com/modules/ubglwp-15-m.html</a></p>	

### Part 5: Contributes Towards

This module contributes towards the following programmes of study: