

WM9E3-15 Transport Techniques and Management

23/24

Department

WMG

Level

Taught Postgraduate Level

Module leader

Nishal Samarasekera

Credit value

15

Module duration

1 week

Assessment

Multiple

Study location

University of Warwick main campus, Coventry

Description

Introductory description

The Transport Techniques and Management module explores the integration of freight transportation in logistics & supply chain management through the different freight transport modes, operations, technologies and the environment. The module is delivered through lectures, discussions, case studies, simulation exercises and industry exposure. Freight transportation, plays a critical role in the world as it enables the movement of products and services from suppliers to consumers. It facilitates local and international trade, while employing millions of people globally. While there are many complexities in freight transportation, it is vital that it is managed in a sustainable manner.

[Module web page](#)

Module aims

The Transport Techniques and Management module aims to develop in learners the ability to evaluate different freight transport modes and decide on the most appropriate mode based on diverse criteria. Learners will gain the aptitude to design sustainable freight transport solutions using various techniques. Learners will also cultivate the ability to investigate and critique freight

transport operations. The module expects learners to evaluate the impact of freight transport on the environment and support sustainable mobility initiatives.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

- Role of freight transport in logistics and supply chain management
- Freight transport modes and operations
- Intermodal freight transport integration
- Information and communication technologies in freight transport
- International freight transport and freight forwarding
- Freight transport networks and planning
- Sustainable freight transport
- Future of freight transport

Learning outcomes

By the end of the module, students should be able to:

- Evaluate different freight transport modes based on diverse criteria
- Design sustainable freight transport solutions using various techniques
- Investigate and critique freight transport operations
- Evaluate the impact of freight transport on the environment and support sustainable mobility initiatives

Indicative reading list

Rodrigue, J.-P. and Rodrigue, J.-P. (2020) The geography of transport systems. Fifth edition. London: Routledge.

Intermodal Freight Transport and Logistics (2019). London: CRC Press. Available at: http://encore.lib.warwick.ac.uk/iii/encore/record/C_Rb3387836.

[View reading list on Talis Aspire](#)

International

The module includes substantial discussions on international freight transportation operations, documentation, processes and case studies which would expand on the international elements of the module.

Subject specific skills

Evaluate different freight transport modes, decide on the most appropriate mode based on diverse criteria, design freight transport solutions using various techniques, investigate and critique freight

transport operations, evaluate the impact of freight transport on the environment, support sustainable transport solutions

Transferable skills

Critical thinking, problem solving, team work, leadership, communication, information literacy, decision making, sustainability, professionalism, organisational awareness.

Study

Study time

Type	Required
Seminars	30 sessions of 1 hour (20%)
Online learning (independent)	20 sessions of 30 minutes (7%)
Private study	50 hours (33%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

Online learning and private study will include reading, watching asynchronous lectures and completing short tasks.

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A1

	Weighting	Study time	Eligible for self-certification
Post Module Assignment	80%	48 hours	Yes (extension)
The Post Module Assignment (PMA) will require individual learners to write an essay, answering a single large question or few small questions aligned with the learning outcomes of the module.			
International Freight Transport	10%	6 hours	No

	Weighting	Study time	Eligible for self-certification
Activity			
Presentations prepared and delivered by a group of learners, answering questions related to a case study and/or simulation based on international freight transport			
Planning Sustainable Transport Activity	10%	6 hours	No
Presentations prepared and delivered by a group of learners, answering questions related to a case study and/or simulation based on planning sustainable transport			

Assessment group R1

	Weighting	Study time	Eligible for self-certification
Post Module Assignment (Reassessment)	100%		Yes (extension)
The Post-Module Assignment (Reassessment) will consist of a single large question or few small questions that would be aligned with the learning outcomes of the module.			

Feedback on assessment

PMA: feedback sheets

PMA reassessment: feedback sheets

In-module presentations: verbal feedback

Availability

Anti-requisite modules

If you take this module, you cannot also take:

- ES9X5-10 Transport Techniques and Management

Courses

This module is Core for:

- Year 1 of TWMA-H1NB Postgraduate International Trade, Strategy and Operations
- Year 1 of TWMS-H1S8 Postgraduate International Trade, Strategy and Operations (Full-time)
- Year 1 of TWMS-H1T8 Postgraduate International Trade, Strategy and Operations (Part-time)

- Year 1 of TWMS-H7BF Postgraduate Supply Chain and Logistics Management (Hong Kong)
- Year 1 of TWMS-H7BR Postgraduate Taught Supply Chain and Logistics Management
- Year 1 of TWMS-H1Y6 Postgraduate Taught Supply Chain and Logistics Management (Cyprus)
- Year 1 of TWMS-H1SD Postgraduate Taught Supply Chain and Logistics Management (Full-time)
- Year 1 of TWMS-H7A1 Postgraduate Taught Supply Chain and Logistics Management (Singapore)
- Year 1 of TESS-H7PN Postgraduate Taught Supply Chain and Logistics Management (Thailand)