

WM9E3-15 Transport Techniques and Management

26/27

Department

WMG

Level

Taught Postgraduate Level

Module leader

Nishal Samarasekera

Credit value

15

Module duration

4 weeks

Assessment

Multiple

Study locations

University of Warwick main campus, Coventry Primary

Hong Kong Polytechnic University, Hong Kong

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 management plays a critical role worldwide, enabling the movement of materials and products between suppliers and customers. It facilitates local and international trade, while employing millions of people globally. While there are many complexities in freight transportation, it must be managed sustainably.

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 critique the application of information and communication technologies to manage freight transport operations. Learners will also cultivate the ability to investigate and critique freight transport operations across multiple modes. The

module expects learners to evaluate the impact of freight transport on the environment and learn how to manage freight transport in a sustainable manner.

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 management

Learning outcomes

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

- Evaluate different freight transport modes and decide on the most appropriate mode or combination of modes based on diverse criteria
- Design sustainable freight transport solutions using various transport planning and management techniques
- Investigate and critique freight transport operations and systems locally, regionally and internationally
- Evaluate the impact of freight transport on the environment and learn how to manage freight transport in a sustainable manner

Indicative reading list

[Reading lists can be found in Talis](#)

[Specific reading list for the module](#)

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

Transport operations management, transport planning, information and communication technology skills in transport

Transferable skills

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

Study

Study time

Type	Required
Seminars	30 sessions of 1 hour (20%)
Online learning (independent)	25 sessions of 1 hour (17%)
Private study	35 hours (23%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

Online learning and private study will include reading, following asynchronous lectures and completing short activities

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A3

	Weighting	Study time	Eligible for self-certification
Freight Transport Management Written Assignment	60%	36 hours	Yes (extension)
An individual report to answer a few questions on freight transport management: operations, systems and sustainability.			
International Freight Transport Case	40%	24 hours	No

	Weighting	Study time	Eligible for self-certification
Study			
A group presentation based on an international freight transport case study. Peer review to be used for group work marked collectively.			

Assessment group R2

	Weighting	Study time	Eligible for self-certification
International Freight Transport Case Study	40%		No
An individual reflective piece based on an international freight transport case study.			
Freight Transport Management Written Assignment	60%	36 hours	No

Feedback on assessment

Feedback in the classroom (where appropriate) and in Tabula

Availability

Anti-requisite modules

If you take this module, you cannot also take:

- ES9X5-10 Transport Techniques and Management

There is currently no information about the courses for which this module is core or optional.