

Liverpool John Moores University

Title: TRANSPORT SYSTEMS AND POLICY
Status: Definitive
Code: **4034MAR** (116891)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

Team	Leader
Charles Roberts	Y

Academic Level: FHEQ4 **Credit Value:** 24 **Total Delivered Hours:** 72
Total Learning Hours: 240 **Private Study:** 168

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	33
Tutorial	36

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam		60	3
Report	Rpt		20	
Report	Rpt		20	

Aims

To provide an introduction to the study of transport systems, policies and practices, across all modes and business functions.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify and analyse the present day role of freight transport, including intermodal freight transport.
- 2 Show an understanding of the concept of transport systems holistically and in terms of their individual elements.
- 3 Demonstrate knowledge of trends in freight transport and the implications of these for future planning.
- 4 Appreciate the various forms of regulatory control to which the transport industry is subjected.
- 5 Demonstrate an awareness of the impact of transport on the environment and understand the initiatives being undertaken to mitigate the effects.
- 6 Analyse freight transport costs, prices and rates at an introductory level

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Exam	2	3	4	5
Report 1	1			
Report 2	6			

Outline Syllabus

Role of transport in society. Relationship with economic and social issues, and with land use planning. Trends in transport. Safety issues. Modal split and its underlying reasons. Introduction to costs, supply, demand and pricing. The transport systems concept: way, terminal, unit of carriage, unit of propulsion. The intermodal freight concept. Ownership, control and regulation. Regulatory organisations: national and international. The role of trade organisations. Elemental, modal and intermodal issues. Legal and regulatory issues. Structure of transport law and its effect on transport planning and operations. Introduction to company law and the law of carriage. The effect of transport on the environment. Fossil fuels and their resource issues. Emissions and their effects. Alternative fuels, their production and emissions. The concept of sustainability.

Learning Activities

A programme of lectures and associated tutorials

Notes

This module provides an introduction to the study of freight transport systems,

including aspects relating to the environment. It provides a basic framework which students can build on later in their programmes of study.