Liverpool John Moores University

Title:	Transport Operations Management
Status:	Definitive
Code:	**5107MAR** (121821)
Version Start Date:	01-08-2019
Owning School/Faculty:	Maritime and Mechanical Engineering
Teaching School/Faculty:	Maritime and Mechanical Engineering

Team	Leader
Chia-Hsun Chang	Y

Academic Level:	FHEQ5	**Credit Value:**	20	**Total Delivered Hours:**	42
Total Learning Hours:	200	**Private Study:**	158		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	22
Off Site	8
Tutorial	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Report 2000 words	40	
Exam	AS2	2 hour exam	60	2

Aims

To examine operational aspects of the various freight transport modes, separately and collectively, and to identify themes and issues across the modes

Learning Outcomes

After completing the module the student should be able to:

1 Demonstrate an awareness of equipment technical and design issues affecting the freight transport industry
2 Show an understanding of the organisational structure of the freight transport industry
3 Examine issues relating to the control and management of staff within freight transport sector
4 Recognise and explain the contribution of the various freight transport modes within the overall transport market.

Learning Outcomes of Assessments

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

Report 2000 words	2		
Examination	1	3	4

Outline Syllabus

Road freight transport: The market for commercial road transport. Industry structure. Own account, hire and reward and third party. Vehicles and equipment. Control of operators and drivers. Drivers' Hours, the tachograph and the Working Time Directive. Road transport costs.
Rail freight transport: Characteristics of rail transport. Route network, permanent way. Track and loading gauges. Signalling and other safety systems. Track capacity and its constraints. Freight operations. Wagonload, trainload and intermodal traffic. Other modes: Air freight. Merchant ship types. Inland waterways and canals. Characteristic design features and relevance to cargoes. Dry bulk cargo. Bulk liquid cargo. General cargo. Special cargoes. The role of pipelines.

Learning Activities

Integrated series of formal lectures and tutorials.

Notes

A module which studies operations across the transport modes