

Liverpool John Moores University

Title: LOGISTICS AND DISTRIBUTION PLANNING
Status: Definitive
Code: **6022MAR** (106083)
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: FHEQ6
Credit Value: 12
Total Delivered Hours: 38
Total Learning Hours: 120
Private Study: 82

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	18
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination (3 questions from 5)	60	2
Essay	AS2	Coursework 1	20	
Essay	AS3	Coursework 2	20	

Aims

To introduce students to the overarching concept of freight logistics and to examine in detail the elements which contribute towards the logistics system from the perspectives of organisation, management and economics.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate understanding of the holistic nature of logistics.
- 2 Manifest comprehension of the influence of internal and external factors on the design of supply chains.
- 3 Show a cognitive appreciation of the management issues which affect the component elements of supply chains.
- 4 Appraise the factors affecting the outsourcing of logistics operations.
- 5 Plan strategically the supply chain for a range of case study examples.

Learning Outcomes of Assessments

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

EXAM	1	2	3	4	5
CW	1	2			
CW	1	5			

Outline Syllabus

Concepts of logistics and distribution management. Relationships with other business functions. The role of the logistics manager. Distribution planning. Cost relationships and trade-offs. Strategic supply chain design. Role of information technology. Monitoring and optimisation of logistics performance. Benchmarking. Environmental issues within commercial organisations. Demand characteristics. Customer service issues. Inbound and outbound logistics. Transport planning and management. Modal characteristics and choice. Methods of selection and factors affecting choice. Design of transport equipment. The role of intermodal transport. Distribution centre design and siting. Factors affecting choice of location. Staffing issues and the role of mechanisation. Inventory planning and management. Stock levels and replenishment policies. Cost implications. Demand forecasting. Outsourcing. Roles of third party providers and lead logistics providers. Dedicated and multi-user distribution services.

Learning Activities

A programme of lectures and associated tutorials.

Notes

A study of the planning and operation of supply chains, identifying the planning, operational and managerial issues associated with each element of the system, and the interaction between these elements on an holistic basis