

Liverpool John Moores University

Title: SEA TRANSPORT OPERATIONS
Status: Definitive
Code: **5034MAR** (106031)
Version Start Date: 01-08-2016

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

Team	Leader
Barbara Kelly	Y

Academic Level: FHEQ5
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	24
Practical	6
Tutorial	6

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 provide an insight into the operation and management of ships in order to give the student a basic understanding of the complexities of operating ships.

Learning Outcomes

After completing the module the student should be able to:

- 1 Analyse the structure of the global shipping industry, including management and staffing issues.
- 2 Examine issues relating to ship construction, with particular reference to the carriage of specific cargoes.
- 3 Synthesise the navigational requirements of a sea voyage.
- 4 Analyse the costs of operating a ship
- 5 Show an understanding of the legal framework within which ships operate.
- 6 Appraise the ownership framework and operation of seaports and terminals.

Learning Outcomes of Assessments

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

EXAM	1	2	3	4	5	6
CW	2					
CW	3					

Outline Syllabus

Merchant ship types. Characteristic design features and relevance to cargoes. The shipping industry. Regulatory bodies and industry organisations. Ship registration and flags of convenience. Shipping company management. Shipboard management, organisation and crewing. Navigational techniques and systems. Passage planning and ocean routing. Ship operating costs. Capital and running costs. Post ownership and management. Terminal operations for different cargo types. Legal framework. Charter parties and bills of lading.

Learning Activities

A programme of lectures and associated tutorials.

Notes

This is an introduction to sea transport and as such is an overview of the whole industry. A large number of topics are discussed and the student will be aware of the breadth of knowledge required to be proficient in sea transport.