Liverpool John Moores University

Title:	Shipboard Operations 1
Status:	Definitive
Code:	**4503BFC** (117427)
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:	FHEQ4	**Credit Value:**	24	**Total Delivered Hours:**	98
Total Learning Hours:	240	**Private Study:**	142		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	68
Tutorial	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam 1		50	4
Exam	Exam 2		25	2
Essay	Essay		25	

Aims

To develop an understanding of the operational practices required for the efficient and safe movement of cargoes on ships.

Learning Outcomes

After completing the module the student should be able to:

1 Demonstrate an understanding of loading, stowing and securing of cargoes and their care during carriage.
2 Conduct a deck watch alongside or at anchor.
3 Ensure compliance with pollution prevention requirements
4 Apply the principles of ship stability for box and ship shape vessels to routine situations.
5 Identify the significant features of a ship's structure.
6 Assess the remote operation of controls of propulsion plant and engineering systems and services.

Learning Outcomes of Assessments

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

Examination 1	1	2	3	4
Examination 2	6			
Essay	5			

Outline Syllabus

The principles and safe working practices for the proper loading/unloading, stowage and carriage of Dry, Refrigerated, Unitised, Containerised, Ro Ro and Bulk Cargoes.
Know and apply the principles and safe methods of arranging for the proper loading, stowage and carriage of Oil, Gas and Chemical Cargoes and related ballasting operations.
Know how to conduct a deck watch alongside or at anchor.
Ensure compliance with pollution prevention requirements.
Apply the principles of ship stability for box and ship shape vessels to routine situations.
The causes of stress in a ship's structure.
Identify the significant features of a ship's structure and the salient features of a range of ship types.
Remote operation of controls of propulsion plant and engineering systems and services.

Learning Activities

Classroom based lectures and tutorials including the use of appropriate software based programmes where possible.

Notes

This module contributes to the knowledge required to gain a degree in Nautical

Science and professional qualification for the Merchant Navy.