

Liverpool John Moores University

Title: CARGO AND PORT OPERATIONS
Status: Definitive
Code: **5027MAR** (105599)
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:** 62
Total Learning Hours: 120 **Private Study:** 58

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	42
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	75	2
Essay	AS2	Project	25	

Aims

The aim is for the student to be able to arrange the loading, carriage and discharge of various cargoes with an appreciation of the regulatory requirements applying to this task.

Learning Outcomes

After completing the module the student should be able to:

- 1 Appreciate the processes involved in the planning of the stowage, and securing of dry cargoes, stores and equipment.
- 2 Explain handling of oil, liquid and gas cargoes and their operating procedures
- 3 Understand the planning and operational procedures for passenger operations

Learning Outcomes of Assessments

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

EXAM	1	2	3
CW	1	2	3

Outline Syllabus

*Dry cargo: Stowage and securing for containers, Ro-Ro, refrigerated, deck, bulk, packaged dangerous goods, stores and equipment.
Preload survey, port rotation, cargo plans, draught survey, space preparation, securing equipment, heavy lift operations, cargo damage, care on passage.*

Oil, Liquid and Gas cargo: Safety, planning, testing, dangers, flammable diagram, ballast.

Inert gas system.

Tank cleaning.

Pollution prevention, operational and design.

Passenger Operations: Access, safety, hazardous cargo, baggage handling, security at sea, death, heavy weather, watertight doors, complaints, customer care.

Enclosed space entry.

Loadline calculation.

Learning Activities

Lectures, tutorials including use of computing software.

Notes

This module provides the underpinning knowledge as described in MC1.1.3/4/5 of the library of underpinning knowledge for Merchant Navy Deck Personnel. The library document includes the content of STCW 95.