

Liverpool John Moores University

Title: Shipboard Operations
Status: Definitive
Code: **4012NAU** (119103)
Version Start Date: 01-08-2016

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

Team	Leader
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Academic Level: FHEQ4 **Credit Value:** 12 **Total Delivered Hours:** 54
Total Learning Hours: 120 **Private Study:** 66

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	40
Tutorial	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Examination	50	2
Exam	AS2	Examination	50	2

Aims

To provide a basic knowledge of different cargo types and port operations.

Learning Outcomes

After completing the module the student should be able to:

- 1 Understand the principles and safe working practices for the proper loading, stowage and carriage of dry cargoes.
- 2 Demonstrate safe methods of arranging for the proper loading, stowage and carriage of liquid cargoes.
- 3 Understand how to conduct a deck watch as the Cargo Watch Officer.
- 4 Explain the precautions and procedures to be taken to prevent pollution of the marine environment.

Learning Outcomes of Assessments

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

Exam 1	1	3
Exam 2	2	4

Outline Syllabus

Classification: Classification of cargo, ship types, properties of different cargoes.

Dry cargoes: the principles and safe working practices for the proper loading, stowage and carriage of Dry, Refrigerated, Unitised, Containerised, Ro-Ro and Bulk Cargoes.

Oil, gas and chemical cargoes: the principles and safe methods of arranging for the proper loading, stowage and carriage of Oil, Gas and Chemical Cargoes and related ballasting operations.

Cargo Watch: Deck watch alongside or at anchor. Cargo handling operations in port. Understanding of Cargo plans and cargo handling equipment. know the riggings and stresses.

Pollution: the MARPOL Convention and current legislation regarding the precautions and procedures to be taken to prevent pollution of the marine environment.

Learning Activities

Formal lectures and video.
Use of cargo handling packages in PC laboratory.

Notes

This module contains the basic STCW requirements for cargo carriage.