

Liverpool John Moores University

Title: Shipboard Management and Control
Status: Definitive
Code: **5503ALAM** (120668)
Version Start Date: 01-08-2015

Owning School/Faculty: Engineering
Teaching School/Faculty: Malaysian Maritime Academy

Team	Leader
Barbara Kelly	

Academic Level: FHEQ5
Credit Value: 24.00
Total Delivered Hours: 115.00
Total Learning Hours: 240
Private Study: 125

Delivery Options

Course typically offered: Non Standard Year Long

Component	Contact Hours
Lecture	71.000
Tutorial	39.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam		40.0	2.50
Essay	Essay	Maximum 2000 words	20.0	
Exam	Exam		40.0	2.50

Aims

To comprehend and develop an awareness of laws, conventions and management for the safe operation of seagoing vessels.

Learning Outcomes

After completing the module the student should be able to:

- LO 1 Identify and appraise the maritime agreements, conventions and laws salient to the safe and commercial operation of vessels.
- LO 2 Assess the principles of legislation as applied to the safe and commercial operation of vessels.
- LO 3 Examine marine commercial law as related to the transportation of cargoes.
- LO 4 Assess the design of marine power plant.
- LO 5 Develop an understanding of marine auxiliary machinery.

Learning Outcomes of Assessments

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

Exam	LO 1	LO 2	LO 3
Essay	LO 2		
Exam	LO 4	LO 5	

Outline Syllabus

Agreements and conventions; i.e. Certification; Loadlines; SOLAS; MARPOL; Health Regulations; Safety of ship, passenger, crew and cargo; National legislation for implementing International agreements, conditions for issuing, periods of validity, extension and control of statutory certificates and documents.

The principles of International legislation, including; UNCLOS III; Statutory and other records including OLB and ORB; legal responsibility of the master with regard to distress, collision, encountering navigational hazards, pollution, salvage, towage and pilotage.

The application of legislation, including; Flag State Surveys; Classification and other surveys; Port State Control Survey; and Record Keeping and the collection of evidence.

The relevant international regulations, codes and standards concerning the safe handling, stowage, securing and transport of cargoes, including; COGSA; Contracts of Carriage of Goods; CP types, clauses, rights and obligations; B/L; Carriage of Deck Cargo; MIA1906, effects of deviation, delay, change of voyage, Marine Policy Form and Institute Time Clauses (Hulls); P & I Clubs; Commercial Institutions; Y/A Rules; Safe Port; Noting Protest and Extending Protest.

The procedure upon arrival at, and upon departure from a port. Maritime Labour Conventions Employment law, Safety management and quality assurance legislation, codes and guidance Safety management systems, Risk assessment.

*Marine Engineering Terms, Marine Diesel Engine Power Plant
Marine Steam Turbine Power Plant, Marine Gas Turbine Power Plant*

*Auxiliary Boilers, Propeller, stern tube, shafting & CPP
Fresh Water Generators, Pumps and pumping systems
Steering Gears, Electrical power Generation and electrical distribution
Refrigeration, air conditioning & ventilation, Stabilisers
Sewage treatment plant, Oily Water separators and oil filtering equipment
Incinerators, Deck Machinery, Hydraulic systems
Fuel Consumption Estimations, Control terminology and Theory
Bridge Control of propulsion machinery, Engineering watchkeeping for safety
Engineering watchkeeping for DG*

Learning Activities

Lectures, tutorials and case studies.

Notes

This module provides the knowledge for Merchant Navy Deck Personnel in the management and control systems on ships.