

## Liverpool John Moores University

Title: BRIDGE WATCHKEEPING  
Status: Definitive  
Code: **4517SAM** (119640)  
Version Start Date: 01-08-2016

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

Team	Leader
Farhan Saeed	Y
Barbara Kelly	

**Academic Level:** FHEQ4      **Credit Value:** 12      **Total Delivered Hours:** 44  
**Total Learning Hours:** 120      **Private Study:** 76

### Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	20
Practical	10
Tutorial	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Computer Based or Oral examination on Buoyage & Lights	50	2
Exam	AS2	Bridge Procedures & emergencies examination	50	2

### Aims

*To facilitate a thorough understanding of the Regulations for the Prevention of Collision at Sea (COLREGS) and International Association of Lighthouse Authority (IALA) buoyage systems, and explain bridge watchkeeping procedures.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Interpret and explain how to apply regulations and systems for the safe movement of vessels.
- 2 Demonstrate a comprehension of bridge watchkeeping procedures.
- 3 Develop contingency plans for use in the event of emergencies and a knowledge of response to distress signals.

## Learning Outcomes of Assessments

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

Bouyage & lights exam	1		
Bridge procedures exam	1	2	3

## Outline Syllabus

*Knowledge of International Collision Regulations: COLREGS and IALA buoyage systems. Regulations and systems for the safe movement of vessels*  
*Bridge Resource Management: Bridge watchkeeping procedures.*  
*Preparations to bridge equipment prior to departure and arrival.*  
*Logbooks, standing orders, night orders. Circumstances to call Master.*  
*Communication Procedures: Procedures relating to communications with bridge and engine personnel*  
*Sighting of Hazards: Action if ice or icing is observed or suspected*  
*Hazards and Emergencies: Recognise hazards and emergencies associated with the vessel*  
*Means of warning: Type of alarms fitted to bridge equipment, and the action to take in the event of malfunction or failure of bridge equipment:*  
*Contingency Service Operations: Contingency plans and action to take as OOW in the event of emergencies at sea or in port as applicable, execution of contingency plan.*  
*Operation of Anchors: The use of anchors sufficient to ensure that the OOW could undertake duties involved in coming to a single anchor*  
*Knowledge of Data Relating to Alarm Signals: Distress, Urgency and Safety signals*  
*Search and Rescue Communication: Communication: Communications with the distressed craft in accordance with International Regulations and procedures*  
*Obtaining information on the position and nature of the distress*  
*Follow-up Measures: Further action required to comply with contingency planning and master's instructions:*  
*Respond to Distress at Sea: General arrangements for search and rescue:*  
*The International Code of Signals, send and receive signals.*  
*Knowledge of Visual Signals: Visual safety, urgency and distress signals:*

## **Learning Activities**

Formal Lectures and tutorials including quizzes. Internet based software for self-learning and self testing is available to all students.

## **Notes**

Provides the detailed knowledge required by an Officer of the Watch (Deck) on a Merchant Ship. For MCA exemptions for deck OOW CoC, students need to obtain 65% in both components.