LIVERPOOL JOHN MOORES UNIVERSITY

Professional Competence 2

Module Information

2022.01, Approved

Summary Information

Module Code	6104NAU
Formal Module Title	Professional Competence 2
Owning School	Engineering
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	100
Tutorial	20

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To evaluate the professional standards in seafarer training and to prepare students for higher professional Navigation qualification.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Evaluate the use of competence standards in seafarer training
MLO2	2	Discuss consistency in training for the sea going phase of seafarer training
MLO3	3	Assess the management of the navigation of seagoing vessels
MLO4	4	Discuss the factors to be considered in planning passages for vessels

Module Content

Outline Syllabus	To assist students in developing an understanding of the techniques of passage planning and demonstrate competency in appraising, planning, executing and monitoring a passage, incorporating the influence of weather.• Publications required for passage planning• Selection of the appropriate route for a given passage• Passage plan adjustments to allow for emergency situations• Position fixing methods• The accuracy and reliability of various position fixing methods• The statutory and international requirements regarding navigation, navigational equipment and the qualifications and fitness of watchkeeping personnel• Bridge Procedures for both Routine and Emergency SituationsPlan and Conduct Safe NavigationIALA systems of maritime buoyage;radar and ARPA - practical use of, modes of operation, limitations, sources of error and parallel indexingEstablishing Safe Navigational Watchkeeping Arrangements and Proceduresa thorough knowledge of the principles of navigational watchkeeping at sea, including under pilotage, and watchkeeping at anchor and in porta thorough knowledge of the content, application and intent of the International Regulations for Preventing Collisions at Seaconduct in and near traffic separation schemes and vessel traffic service (VTS) areas;understand the use of bridge equipment, including rate of turn indicators, course recorders, echo sounders and NAVTEXknowledge and application of the ICS Bridge Procedures GuideResponse to EmergenciesResponse to Navigational Emergenciesuse of the International Aeronautical and Marine Search and Rescue (IAMSAR) Manual(Volume III), distress and emergency signalsSearch and Rescue (SAR) plans for passenger shipsTraining programmes for seagoing personnel and their compliance with national and international requirements.Ship board training and maintaining consistencyThe use of simulators to reduce sea time requirementsThe use of training ships to allow a consistent training experienceMaintaining welfare support in training environmentsThe move to onboard assessments to evidence continued competence
Module Overview	This module will evaluate the professional standards in seafarer training to prepare you for higher professional Navigation qualification.
Additional Information	The module has been designed to help students to evaluate the professional standards in seafarer training and to prepare students for higher professional Navigation qualifications.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	40	0	MLO1, MLO2
Centralised Exam	Exam	60	2	MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings

| Abdul Khalique | Yes | N/A |

Partner Module Team

Contact Name	Applies to all offerings	Offerings