

Liverpool John Moores University

Title: Hazard Assessment
Status: Definitive
Code: **7520RSKD** (118781)
Version Start Date: 01-08-2019

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

Team	Leader
Alan Wall	Y

Academic Level: FHEQ7 **Credit Value:** 10 **Total Delivered Hours:** 16.5
Total Learning Hours: 100 **Private Study:** 83.5

Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	8
Online	.5
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay		95	
Reflection	Test&refl		5	

Aims

To provide a solid foundation of knowledge of risk assessment tools, with an emphasis on the concept of risk and also on qualitative risk assessment techniques.

Learning Outcomes

After completing the module the student should be able to:

- 1 Logically deduce the most appropriate risk assessment tool / technique to be used, depending on the circumstances
- 2 Apply certain risk assessment techniques
- 3 Critically review example risk assessments, illustrating strengths and weaknesses.

Learning Outcomes of Assessments

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

Essay	2	3
Online test & Reflection	1	

Outline Syllabus

1. *Introduction to risk assessment*
2. *Identifying and recording hazards – registers, schedules, inventories*
3. *The risk assessment matrix*
4. *Hazard assessment and risk reduction through the project/facility lifecycle*
5. *Qualitative hazard assessment techniques*
6. *Significance of environmental aspects – environmental hazard assessment*
7. *Health Risk Assessment (HRA)*
8. *Security risk assessment*
9. *Business / commercial risk assessment*
10. *Quantitative risk assessment techniques*
11. *External hazards*
12. *Good practice in hazard assessment*

Learning Activities

A combination of slides and notes, exercises, discussions, interactive web activities and supported self study.

Notes

The aim of this module is to provide risk assessment definitions and build upon the risk management process defined in the first module – Introduction to Practical Risk Management. The module delivers a critical review of certain well established and recognised qualitative risk assessment tools and also introduces some quantitative techniques (which are the subject of separate, more detailed analysis in dedicated modules).

The assessment for the module is an essay combined with online activities (e.g. tests, discussions, etc.).