

Liverpool John Moores University

Title: Health, Safety and Environmental (HSE) Management System
Status: Definitive
Code: **7537RSKDL** (118805)
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: Semester 1

Component	Contact Hours
Lecture	8
Online	.5
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay		50	
Essay	Essay		45	
Reflection	Test&Refl		5	

Aims

To enable students to:

- Understand HSE Management Systems and the differences in approach taken in different hazardous industries*
- Devise documentation for key aspects of an HSE Management System.*
- Examine the challenges and issues affecting the implementation of an effective*

HSE management system.

Learning Outcomes

After completing the module the student should be able to:

- 1 Discuss the methodology and requirements for developing a Management System
- 2 Critically analyse the effects of effective HSE Management Systems in reducing the probability and consequences of major accidents
- 3 Critically analyse issues associated with the implementation of HSE Management Systems

Learning Outcomes of Assessments

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

Essay 1	2
Essay 2	3
Online test & Reflection	1

Outline Syllabus

Definition of a HSE MS

Elements of a HSE MS

•*Policy/ Objectives*

•*Organisation*

•*Plan and Set Standards*

•*Documents (inc. procedures, work instructions etc.)*

•*Hazard Management*

•*Management of Change*

•*Training and Competency (more detail in Competency Management, Culture and Behaviour module)*

•*Measure Performance (more detail in Engineered Risk Control Systems and Performance modules)*

•*Audit and Review (more detail in Performance Monitoring, auditing and Management Review module)*

Guidance and Legislation

Implementation Aspects

•*Training*

•*Integration with quality systems*

•*Facilitating organisational change*

Documenting and implementing the HSE MS

•*Manuals, procedures and systems*

•*Intranet/ CD based HSE MS*

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 deliver an understanding of what constitutes a Health, Safety & Environment Management System (HSE MS), and how these systems are applied in different hazardous industries. Legislative requirements for an HSE MS are also examined. The module examines issues associated with the documentation and implementation of an HSE MS.

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