

## Liverpool John Moores University

Title: Health, Safety and Environmental (HSE) Management Systems  
Status: Definitive  
Code: **7554RTC** (120387)  
Version Start Date: 01-08-2019

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

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	AS1	An essay question comprising several component parts, based around a case study, up to 4,000 words long.	95	
Test	AS2	Individual and group activities e. g. quiz, forum.	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:

4000 word essay	1	2	3
Individual and group work	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 lectures, exercises and supported self study.

## **Notes**

A formal management system or framework can help an organisation manage Health, Safety and the Environment (HSE). The aim of this module is to deliver an understanding of what constitutes an HSE Management System (HSE MS), and how these systems are applied in different hazardous industries. Legislative requirements and international standards for an HSE MS are also discussed. The module examines issues associated with the documentation and the human elements for the successful implementation of an HSE MS.

Assessment is in the form of an essay combined with activities (e.g. exercises, discussions, etc.). The delivery modes for the module elements are explained below.

Lecture (using slides and notes): will be delivered by classroom based teacher (face to face) or online self-study (distance learning) or mixture of the two (blended learning).

Tutorial/Activities (exercises and reviews): will be delivered by classroom based teacher (face to face) or online activities with teacher feedback/virtual classroom (distance learning) or mixture of the two (blended learning).

Tutor supported online: will be delivered by email support prior to assessment submission (face to face) or tutor feedback activities, virtual classrooms and email support (distance learning) or mixture of the two (blended learning).