

Liverpool John Moores University

Title: Health, Safety and Environmental (HSE) Management Systems
Status: Definitive
Code: **7085RTC** (127353)
Version Start Date: 01-08-2021

Owning School/Faculty: Engineering
Teaching School/Faculty: Engineering

Team	Leader
Ben Matellini	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: 50 %

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 2,500 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 key factors to be considered when developing an HSE MS.
- 2 Assess the role of HSE MSs in reducing the probability and consequences of major accidents.
- 3 Examine issues associated with the implementation of HSE MSs.

Learning Outcomes of Assessments

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

Essay	2	3
Test	1	

Outline Syllabus

Definition of an HSE MS

Elements of an 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

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.

Assessment is in the form of an essay combined with activities (e.g. exercises, discussions, etc.).

The module is delivered via distance learning, described as follows:

Lecture (using slides and slide notes): Online self-study

Tutorial/Activities (Exercises and reviews): Online activities with teacher feedback, and virtual classrooms

Tutor-supported Online: Tutor feedback for activities, virtual classrooms and email support