Health, Safety and Environmental (HSE) Management Systems

Module Information

2022.01, Approved

Summary Information

Module Code	7585RTC
Formal Module Title	Health, Safety and Environmental (HSE) Management Systems
Owning School	Engineering
Career	Postgraduate Taught
Credits	10
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	8
Online	1
Tutorial	8

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
APR-PAR	PAR	April	12 Weeks

Aims and Outcomes

Aims	To enable students to:Understand HSE Management Systems and the differences in approach taken in different hazardous industriesDevise documentation for key aspects of an HSE Management System.Examine the challenges and issues affecting the implementation of an effective HSE management system

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Discuss the key factors to be considered when developing an HSE MS.
MLO2	2	Assess the role of HSE MSs in reducing the probability and consequences of major accidents.
MLO3	3	Examine issues associated with the implementation of HSE MSs.

Module Content

Outline Syllabus	Definition of an HSE MSElements 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 LegislationImplementation Aspects-Training-Integration with quality systems-Facilitating organisational changeDocumenting and implementing the HSE MS-Manuals, procedures and systems -Intranet/ CD based HSE MS
Module Overview	
Additional Information	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-studyTutorial/Activities (Exercises and reviews): Online activities with teacher feedback, and virtual classrooms Tutor-supported Online: Tutor feedback for activities, virtual classrooms and email support

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Essay	Essay	95	0	MLO2, MLO3
Test	Test	5	0	MLO1

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings