

Safety/HSE Cases

Module Information

2022.01, Approved

Summary Information

Module Code	7096RTC
Formal Module Title	Safety/HSE Cases
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 illustrate the purpose of a Safety / HSE Case and to develop an understanding of typical safety case contents and structure.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Critically review the reasons for having Safety/HSE Cases and the role of the safety/HSE Case
MLO2	2	Justify the contents of a safety case
MLO3	3	Discuss the key factors to be considered when planning a safety case.

Module Content

Outline Syllabus	<p>Historical drivers Legal Requirements - UK, Europe, worldwide Company and industry body requirements Differing types of case by project phase (e.g. PSR, PCSR, design, operational, decommissioning) Safety/HSE Case structure and approach by industry-nuclear-offshore oil and gas-onshore process-transport-others Bridging documents Links between the case and supporting studies Links between the case and the management system Documentation and management / maintenance of the Safety / HSE Case Roll-out and implementation - keeping the case as a working document Features of a fit-for-purpose safety case Bibliography, sources of further study and common abbreviations Module conclusions and close out</p>
Module Overview	
Additional Information	<p>The aim of this module is to explain the purpose of a Safety / HSE Case and provide an understanding of the case content and structure. This includes historical drivers, legal requirements and company and industry body requirements. The differing types of safety / HSE case and different industry approaches are discussed. Links between the case and supporting studies and between the case and the management system are studied. Documentation, maintenance, roll-out and implementation are also reviewed. 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. In this module, the knowledge learning outcomes are K1, K2, the skills learning outcomes are S1, S2, S5 and the behaviours learning outcomes are B1, B2, B3 and B4.</p>

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

