

## Liverpool John Moores University

Title: Safety/HSE Cases  
Status: Definitive  
Code: **7096RTC** (127363)  
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: Summer

| 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 illustrate the purpose of a Safety / HSE Case and to develop an understanding of typical safety case contents and structure.*

## Learning Outcomes

After completing the module the student should be able to:

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

## Learning Outcomes of Assessments

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

|       |   |   |
|-------|---|---|
| Essay | 2 | 3 |
| Test  | 1 |   |

## Outline Syllabus

*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*

## Learning Activities

A combination of lectures, exercises and supported self study.

## Notes

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.