

Liverpool John Moores University

Title: Introduction to Risk Management
Status: Definitive
Code: **7557RTC** (120390)
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 illustrate the objectives of, and the drivers for, risk management.
To consider and discuss the main concepts in the field of risk management.*

Learning Outcomes

After completing the module the student should be able to:

- 1 Deconstruct the risk management process into its constituent components
- 2 Contrast the terms "hazard", "consequence" and "risk"
- 3 Evaluate the various drivers which cause organisations to manage risk
- 4 Examine the causes of major accidents in high-technology industries.

Learning Outcomes of Assessments

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

4000 word essay	3	4
Individual and group work	1	2

Outline Syllabus

Drivers for risk management

Attitudes to risk / perception of risk

Tolerability of risk

Regulatory regimes

Company drivers

The cost of accidents

Definitions and terminology

The elements of risk management / the risk management process

ALARP

Example specialist tools, techniques and studies

The HSE case (or safety case) and HSE management system

Causes of major accidents

Leadership, culture and behaviours

Module conclusions and close out

Learning Activities

A combination of lectures, exercises and supported self study.

Notes

The course provides an overview of risk management in the high hazard industries. It discusses the drivers, defines some of the fundamental terminology and introduces major risk management concepts, such as risk tolerability criteria and As Low As Reasonably Practicable (ALARP). It also illustrates how risk assessment provides an input into decision making. The module briefly introduces some key risk assessment techniques and the situations in which they may be used. It considers the purpose and structure of a HSE / safety case and significance of an HSE

management system. The module includes case studies of some significant historical accidents and their root causes, and evaluates the importance of safety leadership and organisational culture in preventing accidents.

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).