

Liverpool John Moores University

Title: Introduction to Practical Risk Management
Status: Definitive
Code: **7522RSKD** (118783)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

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: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	8
Online	.5
Tutorial	8

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay		95	
Reflection	Test&refl		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 Differentiate between immediate (direct) and root causes of major accidents in high-technology industries
- 5 Critically analyse suggested risk tolerability criteria

Learning Outcomes of Assessments

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

Essay	3	4	5
Online test & reflection	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 / terminology

The elements of risk management / the risk management process

ALARP

Example specialist tools, techniques and studies

The HSE Case and HSE management system

Causes of major accidents / the causes of accidents

Leadership, culture and behaviours

Module conclusions and close out

Learning Activities

A combination of slides and notes, exercises, discussions, interactive web activities and supported self study.

Notes

This module aims to provide an overview of the objectives and drivers for risk management. It defines some of the fundamental terminology used in risk management. It discusses major risk management concepts such as risk tolerability criteria and As Low As Reasonably Practicable (ALARP) and illustrates how risk assessment provides an input into decision making. The module briefly introduces some key risk assessment tools and techniques and the situations in which they may

be used. It considers the purpose and structure of a HSE / safety case and components of a HSE management system (HSE MS). Assessment is in the form of an essay combined with online activities (e.g. tests, discussions, etc.).