

Liverpool John Moores University

Title: INTRODUCTION TO PRACTICAL RISK MANAGEMENT
Status: Definitive
Code: **7522ENGRSK** (113887)
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
Total Learning Hours: 100 **Private Study:** 84

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	12
Tutorial	4

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Coursework Case Study Approx 2000-3000 words	100	

Aims

To provide an overview of the entire course.

To provide an overview of the objectives of, and drivers for risk assessment, and the tools and techniques available.

Learning Outcomes

After completing the module the student should be able to:

- 1 Deconstruct the risk management process into its constituent components
- 2 Demonstrate expertise in the various drivers for managing risk
- 3 Compare and contrast some of the key tools and techniques available to identify hazards and carry out risk assessments
- 4 Critically analyse organisations' suggested risk tolerability criteria
- 5 Apply the concept of "tolerability of risk" and "As Low As Reasonably Practicable (ALARP)"

Learning Outcomes of Assessments

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

cae study	1	2	3	4	5
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Outline Syllabus

The Risk Assessment & Practical Management of Risk Course:

** Aims*

** Structure - core modules & optional modules*

Drivers for risk management

** Attitudes to risk / perception of risk*

** Tolerability of risk*

** Regulatory regimes*

** Company drivers*

** The cost of accidents*

Basic definitions / terminology

The elements of risk management / the risk management process

Risk assessment and decision making

Demonstration of ALARP

Example tools, techniques and studies

The HSE / Safety Case

** Purpose*

** Structure*

Components of a HSE Management System

Examples of major accidents

Bibliography, sources of information and common abbreviations

Module conclusions and close out

Learning Activities

A combination of lectures and exercises

Notes

This module aims to provide an overview of the objectives and the drivers for risk assessment. It outlines some key risk assessment tools and techniques available and the situations in which they may be used. The module defines some of the basic terminology used in risk assessment and decision making. It briefly outlines the purpose and structure of a HSE / safety case and components of a HSE management system. The module also gives an overview of the entire Practical Risk and Safety Management programme and options available to students.. Assessment will be in the form of a case study.