Liverpool John Moores University

Title:	WORKPLACE SAFETY
Status:	Definitive
Code:	**7524ENGRSK** (113890)
Version Start Date:	01-08-2019
Owning School/Faculty:	Engineering
Teaching School/Faculty:	Risktec Solutions

Team	Leader
Alan Wall	

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	10
Online	.5
Tutorial	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Technology	AS1	Coursework	55	
Essay	AS2		45	

Aims

To enable students to:
** Understand workplace hazards and systems for controlling them.*
** Devise documentation for the management of workplace hazards.*
** Examine the benefits of workplace hazard management systems.*

Learning Outcomes

After completing the module the student should be able to:

1	Deconstruct the workplace hazard risk management process into its constituent components
2	Apply appropriate techniques to develop documentation for workplace safety
3	Critically analyse trends in workplace hazard management
4	Apply the concept of tolerability of risk and As Low As Reasonably Practicable (ALARP) to workplace hazard management

Learning Outcomes of Assessments

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

documentation	1	2	4
accident rate essay	3		

Outline Syllabus

Drivers for continuous improvement in workplace safety
• Incident rates
• Attitudes to risk / perception of risk
Workplace hazards
•The nature of workplace hazards
Control of Workplace Hazards
• Safe Systems of Work.
Task Risk Assessment / Job Safety Analysis
•Producing Task Risk Assessments
•Risk ranking and ALARP assessment for workplace activities
•Risk assessment process & hazard checklist
•Hierarchy of controls
•Toolbox talks
Permit to Work Systems
• Types of System
• How Permit Systems work.
Safe Isolation of Hazardous Equipment
•Planning Isolations
• Control of Isolations
Behavioural safety systems
•Types of workplace behavioural safety systems, e.g. STOP etc.
• Company specific Rules of Safety
Hazardous Chemicals/ Goods
•Material Safety Data Sheets
•Dangerous Goods transportation
Personal Protective Equipment

•*General, work at height, work with chemicals etc.*
Hazardous area classification
•*Zone ratings*
• *Methods of Hazardous Area Classification.*

Learning Activities

A combination of lectures, exercises during the taught session, and supported self study.

Notes

The aim of this module is to provide an appreciation of workplace hazards and systems for controlling them. Task risk assessment, Permit to Work, behavioural safety systems and hazardous area classification are studied, as are personal protective equipment and management of hazardous chemicals and goods.
The assessment for this module is through a combination of an essay and a technological task.