

Workplace Safety

Module Information

2022.01, Approved

Summary Information

Module Code	7597RTC
Formal Module Title	Workplace Safety
Owning School	Engineering
Career	Postgraduate Taught
Credits	10
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

Learning Methods

Learning Method Type	Hours
Lecture	8
Online	1
Tutorial	8

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

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.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Apply appropriate techniques to develop a documented workplace safety assessment
MLO2	2	Consider alternative approaches to workplace safety management
MLO3	3	Apply the concept of tolerability of risk and As Low As Reasonably Practicable (ALARP) to workplace hazard management

Module Content

Outline Syllabus	Drivers for continuous improvement in workplace safety Incident rates Attitudes to risk / perception of risk Workplace hazards Control of Workplace Hazards - Safe Systems of Work. Task Risk Assessment / Job Safety Analysis Risk ranking and ALARP assessment for workplace activities Risk assessment process & hazard checklist Hierarchy of controls Toolbox talks Permit to Work Systems Safe Isolation of Hazardous Equipment 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.
Module Overview	
Additional Information	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. 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

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Essay	95	0	MLO1, MLO3
Test	Test	5	0	MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Ben Matellini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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