APPROVED

AGRI S6012: Chemical and Environmental Risk Assessment

Module Details

Module Code:	AGRI S6012
Full Title:	Chemical and Environmental Risk Assessment APPROVED
Valid From::	Semester 1 - 2019/20 (June 2019)
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Siobhan Keenan
Departments:	Unknown
Module Description:	The aim of this module is to provide the learner with the practical skills and knowledge necessary to manage chemical and environmental hazards in the workplace in a safe, legally compliant and risk-controlled manner.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	**Module Learning Outcome Description**
MLO1	Identify and discuss the statutory requirements for the management of chemical and environmental hazards in the workplace.
MLO2	Outline the chemical and environmental hazards in the workplace and associated health risks.
MLO3	Interpret chemical Safety Data Sheets (SDSs) and product labelling, in addition to identifying the hazards associated with chemical storage and use.
MLO4	Undertake a chemical and environmental risk assessment, required to maintain a safe place of work.

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).*
No recommendations listed

Module Indicative Content
Chemical and Environmental Hazards An introduction to the presence of chemical and environmental hazards in the work place. The effect of such hazards on the body and surrounding environment. Statutory requirements.
Chemical Hazards in Manufacturing Interpreting hazard information, labelling and SDS (Safety Data Sheets). Inventory development and chemical management in the workplace.
Environmental Hazards in Manufacturing Waste storage and disposal, emissions, hazardous substance, liquid waste, environmental impact of raw materials and packaging. Assessing environmental factors. Environmental Management System (BMS).
Risk Assessment Principles Identify the hazards; Evaluate the risk; Record your finding; Review and revise.
Performing a Risk Assessment Undertake a risk assessment in relation to chemical and environmental hazards in workplace settings. Determining control measures, procedures and required documentation.

Module Assessment

Assessment Breakdown	%
Course Work	50.00%
Project	50.00%

Module Special Regulation

Assessments

Full Time On Campus

Course Work

Assessment Type	Class Test	**% of Total Mark**	50
Marks Out Of	0	**Pass Mark**	0
Timing	n/a	**Learning Outcome**	
Duration in minutes	0		

Assessment Description
n/a

Project

Assessment Type	Group Project	**% of Total Mark**	50
Marks Out Of	0	**Pass Mark**	0
Timing	n/a	**Learning Outcome**	
Duration in minutes	0		

Assessment Description
n/a

No Practical

No Final Examination

Part Time On Campus

Course Work

Assessment Type	Continuous Assessment	**% of Total Mark**	50
Marks Out Of	100	**Pass Mark**	40
Timing	n/a	**Learning Outcome**	1,2,3
Duration in minutes	0		

Assessment Description
Online quizzes.

Project

Assessment Type	Project	**% of Total Mark**	50
Marks Out Of	100	**Pass Mark**	40
Timing	Sem 2 End	**Learning Outcome**	2,3,4
Duration in minutes	0		

Assessment Description
Complete a chemical / environmental risk assessment.

No Practical

No Final Examination

Reassessment Requirement

A repeat examination
Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.

Module Workload

This module has no Full Time On Campus workload.

Workload: Part Time On Campus					
Workload Type	*Contact Type*	*Workload Description*	*Frequency*	*Average Weekly Learner Workload*	*Hours*
Online Contact	Contact	Online lectures, case studies, quizzes, discussion groups, supplementary reading	Every Week	2.00	2
Lecture	Contact	Face to face lectures (2 hours twice per semester)	Twice per semester	0.27	2
Independent Study	Non Contact	No Description	Every Week	1.00	1
				Total Weekly Learner Workload	3.27
				Total Weekly Contact Hours	2.27

Module Resources

Recommended Book Resources

Calow, P.. (1998), Handbook of environmental risk assessment and management, Blackwell Science, Oxford, [ISBN: 0865427321].

Simmons, S.. (2013), The Management of Environmental Risks in the Workplace, 3rd. RMS Publishing, [ISBN: 978-190667424].

Supplementary Book Resources

Hughes P., Ferrett E.. (2005), Introduction to health and safety at work, 2nd ed. Elsevier, Amsterdam, [ISBN: 0750666234].

Tilleard, A.. (2010), Quick win safety management : answers to your top 100 safety management questions, Oaktree, Cork, [ISBN: 1904887414].

Waters, B.. (2013), Introduction to Environmental Management, 1st. Routledge, [ISBN: 978-04155344].

This module does not have any article/paper resources

Other Resources

Website, Health and Safety Authority. (2016), A Guide to Risk Assessments and Safety Statements,
https://www.hsa.ie/eng/Publications_and_ Forms/Publications/Safety_and_Health_Man agement/Guide_to_Risk_Assessments_and_Sa fety_Statements.pdf

Website, Environmental Protection Agency,
https://www.epa.ie/

Website, Health and Safety Authority,
https://www.hsa.ie/

Website, Business electronic Safety Management And Risk assessment Tool,
https://www.besmart.ie/