APPROVED

AGRI S8Z03: Food Industry: Quality Management

Module Details

Module Code:	AGRI S8Z03
Full Title:	Food Industry: Quality Management APPROVED
Valid From::	Semester 1 - 2019/20 (June 2019)
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Richard Crowley
Departments:	Unknown
Module Description:	To provide the learner with the necessary knowledge and undestanding of the tools, processes and systems used to implement and maintain a complaint Quality Management System (e.g. ISO, BRC etc.) thus allowing s/he to operate effectively and efficiently in the highly regulated and controlled food manufacturing and/or service environment.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	**Module Learning Outcome Description**
MLO1	Compare and contrast the different stages in the evolution of a modern Quality Management System (QMS)
MLO2	Explain the philosophy and principles that underpin the continuous improvement process developed by the great quality gurus such a Deming, Crosby, Ishikawa etc.
MLO3	Analyse how to continuously reduce waste and improve product and service quality using any one of the seven different Quality Improvement Tools (7QIT).
MLO4	Discuss the basic framework behind modern Quality Management Systems (e.g. BRC and ISO).
MLO5	Discuss the need for self assessment, how audits and management reviews are formatted and design and implement a basic audit.

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
Evolution of Quality Management Inspection to Quality Control (QC) to Quality Assurance (QA) to Quality Management (QM)
Quality gurus Deming (SPC, PDCA etc.), Crosby (RFT, ZD etc.),Ishikawa(Q Circles, 7QIT etc.).
Quality/ Improvement Tools Flow Chart, Check Sheet,Pareto, Histogram, Fishbone (C&E), Scatter Plat and SPC.
The Basis of a Quality Management System Customer requirements to product and service performance based on current QMS Standards such as ISO/BRC etc.
Customer focus Understanding the product and service needs of the customer.
Auditing, Management Review and Self Assessment Definitions, audit formats, audit processe types, typical audit steps, nonconformance corrective and preventative actions and auditor skills

Module Assessment

Assessment Breakdown	%
Course Work	100.00%

Module Special Regulation

Assessments

Full Time On Campus

Course Work

Assessment Type	Class Test	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	Week 5	**Learning Outcome**	1,2,3
Duration in minutes	0		

Assessment Description
Class Test on the evolution on quality assurance and the principles of continuous improvement.

Assessment Type	Class Test	**% of Total Mark**	40
Marks Out Of	0	**Pass Mark**	0
Timing	Week 9	**Learning Outcome**	3,4,5
Duration in minutes	0		

Assessment Description
Class Test on the basic framework behind modern quality management systems, self-assessment and quality audits.

Assessment Type	Project	**% of Total Mark**	40
Marks Out Of	0	**Pass Mark**	0
Timing	Sem 1 End	**Learning Outcome**	1,2,3,4,5
Duration in minutes	0		

Assessment Description
Students will carry out an individual project relating to a current topic in quality assurance covered in the course.

No Project

No Practical

No Final Examination

Module Workload

Workload: Full Time On Campus					
Workload Type	*Contact Type*	*Workload Description*	*Frequency*	*Average Weekly Learner Workload*	*Hours*
Lecture	Contact	No Description	Every Second Week	1.50	3
Tutorial	Contact	No Description	Every Week	1.00	1
Independent Study	Non Contact	No Description	Every Week	2.00	2
Directed Reading	Non Contact	No Description	Every Week	2.00	2
Online Contact	Contact	No Description	Every Second Week	1.50	3
				Total Weekly Learner Workload	8.00
				Total Weekly Contact Hours	4.00

This module has no Part Time On Campus workload.

Module Resources

Recommended Book Resources

Deming W. Edward. (1982), Out oif Crisis, 1st. McGrath-Hill, [ISBN: 978-0911379013].

Orsins, Nilsson, Joyce. (2012), The Essential Edward Deming, McGrath-Hill, [ISBN: 978-0071790222].

Juran Institute Inc.. (2013), Quality Improvement Tools, 1st. Create Space Independent Publishing Platform, [ISBN: 978-1482319910].

Swanson Roger. (1995), The Quality Improvement Handbook: Team Guide to Tools and Techniques, CRC Press, [ISBN: 978-1884015595].

Brassard Michael. (1988), The Memory Jogger: A Guide of Tools for Continuous Improvement, 2nd. Goal/QPC, [ISBN: 978-1879364035].

Kill Ron. (2012), The BRC Global Standard for Food: A Guide to a Successful Audit, 2nd. Wiley-Blackwell, [ISBN: 978-0470670651].

Tricker Ray. (2009), ISO9001:2008 for Small Businesses, 4th. Butterworth-Heinemann, [ISBN: 978-1856178617].

Supplementary Book Resources

Juran, Joseph & Defeo Joseph. (2010), Jurans Handbook on Quality, 6th. McGraw and Hill, [ISBN: 978-0071629737].

Louhran, Maire. (2010), Auditing For Dummies, John Wiley & sons, [ISBN: 978-0470530719].

This module does not have any article/paper resources

Other Resources

Website, NSAI standards catalogue, NSAI.

Website, www.excellenceireland.ie.

Website, brcglobalstandards.com.