

**AGRI S7003: Operations Management in the Food Industry**

Module Details	
Module Code:	AGRI S7003
Full Title:	Operations Management in the Food Industry <b>APPROVED</b>
Valid From::	Semester 1 - 2015/16 ( September 2015 )
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Edel Healy
Departments:	Unknown
Module Description:	The aim of this module is to introduce the students to the concepts of Operations Management and to explain how these concepts can be applied in the Food Industry to help firms achieve a competitive advantage.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Analyse how operations management systems in the food industry and other sectors, can add value in competing supply chains
MLO2	Evaluate how the Production/Operation process is laid out and operates in both the manufacturing and service sectors
MLO3	Assess the objectives of holding inventory and to compare JIT with MRP systems
MLO4	To identify why and when to develop new products
Pre-requisite learning	
<b>Module Recommendations</b> <i>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).</i>	
No recommendations listed	

<b>Module Indicative Content</b>
<b>Understanding Operations Management</b> Operations and Supply Chain Management; The Operations Function; The importance of Supply Chain Decisions. Lean Management
<b>Overview of the production operations system</b> The position of operations within an organisation. The importance of Value Chains in the Food Sector. Managing the Supply Chain in International Businesses
<b>Operations Strategy for Sustainable Competitive Advantage</b> OM's Contribution to Strategy. PESTEL and SWOT Analysis techniques. The Five Forces Strategy. Strategic Options for Operations Managers.
<b>Facility Location to facilitate a Global Supply Chain</b> The Location Decision Process. The main Location Factors. Decision Tools. Factory Layout. Job, Batch and Flow production systems, Product and Process Layout.
<b>Independent Demand Inventory Control</b> Inventory defined. Types of inventory and their functions. Objective of inventory holding. Methods of inventory control. ABC analysis. Inventory replenishment system.

Module Assessment	
<b>Assessment Breakdown</b>	<b>%</b>
Course Work	50.00%
Final Examination	50.00%
<b>Module Special Regulation</b>	

## Assessments

Full Time On Campus					
Course Work					
Assessment Type	Written Report	% of Total Mark	50		
Marks Out Of	0	Pass Mark	0		
Timing	Week 9	Learning Outcome	1,2,3,4		
Duration in minutes	0				
Assessment Description	Group Assignment				
No Project					
No Practical					
Final Examination					
Assessment Type	Formal Exam	% of Total Mark	50		
Marks Out Of	0	Pass Mark	0		
Timing	End-of-Semester	Learning Outcome	1,2,3,4		
Duration in minutes	0				
Assessment Description	End-of-Semester 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

### Workload: Full Time On Campus

<i>Workload Type</i>	<i>Contact Type</i>	<i>Workload Description</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>	<i>Hours</i>
Lecture	Contact	No Description	Every Second Week	1.50	3
Independent Study	Non Contact	No Description	Every Week	6.00	6
Online Contact	Contact	No Description	Every Second Week	1.50	3
				Total Weekly Learner Workload	9.00
				Total Weekly Contact Hours	3.00

This module has no Part Time On Campus workload.

## Module Resources

### Recommended Book Resources

Russell & Taylor. (2014), Operations Management: Creating Value Along the Value Chain, 8th. Willey, [ISBN: 9781118808900].  
Stack, N., Chambers, S. & Johnston, R.. (2013), Operations Management, 7th. FT Prentice Hall, [ISBN: 9780273776208].

### Supplementary Book Resources

Chopra, S. & Meindl, P.. (2012), Operations Management, 5th. Pearson.

*This module does not have any article/paper resources*

### Other Resources

Website, APICS - The Association for Professionals working in Supply Chain and Operations Management,  
<http://www.apics.org/>  
Website, The Institute of Operations Management in UK.,  
<http://www.iomnet.org.uk/>  
Website, The National Institute for Transport and Logistics.  
<http://www.nitl.ie>  
Website, The Agriculture and Food Development Authority Ireland.  
<http://teagasc.ie>  
Website, The Department of Agriculture and Rural Development in Northern Ireland.  
<http://www.dardni.gov.uk>  
Journal, Supply Chain Management: An International Journal.  
Journal, International Journal of Operations and Production Management.  
Journal, International Journal of Physical Distribution and Logistics Management.  
Journal, European Journal of Innovation Management.  
Journal, International Journal of Quality and Reliability Management.