

H8ODES: Global Operations, Planning and Design

Module Code:	H8ODES
Long Title	Global Operations, Planning and Design APPROVED
Title	Global Operations, Planning and Design
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	10
Module Coordinator:	Danielle Mc cartan-Quinn
Module Author:	Michael Nelson
Departments:	School of Business
Specifications of the qualifications and experience required of staff	Level 9 or equivalent qualification. Relevant industry experience and a track record of teaching in a higher institution.
Learning Outcomes	
<i>On successful completion of this module the learner will be able to:</i>	
#	Learning Outcome Description
LO1	Appreciate the strategic variable options for OM, and their deployment relative to international corporate objectives, competitive advantage and customer satisfaction
LO2	Apply quantitative techniques necessary to support decision-making across globally dispersed supply-chains, from procurement, inventory control, conversion process design and efficiency, logistics and facility location.
LO3	Design systems for Total Quality Management (TQM), continuous improvement, Kaizen, process innovation, Lean operations and JIT.
LO4	Formulate forecasts to assist capacity planning, scheduling across the supply-chain, managing demand, and meeting varying and fluctuating customer demands.
LO5	Develop a reflective approach to analyse and evaluate operational situations.
Dependencies	
Module Recommendations	
No recommendations listed	
Co-requisite Modules	
No Co-requisite modules listed	
Entry requirements	As per programme requirements (outlined in 4.2.2 Minimum requirements for general learning)

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Module Content & Assessment			
Indicative Content			
Introduction to and overview of Operations Management The strategic importance of Operations Management in creating value and achieving corporate objectives through management of the total supply-chain.			
Supply Chain Management Managing the supply-chain linkages: - from inputs of materials and resources, through internal conversion processes and distribution to end users.			
Planning and Control Forecasting and capacity planning. Scheduling across the supply-chain, determining levels of inventory, demand management, and managing variations and fluctuations in customer needs.			
Processes Process selection in manufacturing and service sectors. Determination of process type relative to volume and customisation.			
Continuous Improvement Kaizen, operations improvement techniques, developing progressive quality standards and dealing with critical failure recovery			
Assessment Breakdown			%
Coursework			50.00%
End of Module Assessment			50.00%
Assessments			
Full Time			
Coursework			
Assessment Type:	Continuous Assessment	% of total:	50
Assessment Date:	n/a	Outcome addressed:	1,2,3,4,5
Non-Marked:	No		
Assessment Description: All learning activities are centred on a comprehensive case study which depict a company with specific strategic issues. At the outset, students are presented with the problem of analysing the case study from a variety of viewpoints each one based on a particular analytical framework from the subtopics in the course content. Each assignment takes the form of a review (exam-like) question, which needs to be addressed analysing the case study from a particular viewpoint.			
End of Module Assessment			
Assessment Type:	Terminal Exam	% of total:	50
Assessment Date:	End-of-Semester	Outcome addressed:	1,2,3,4,5
Non-Marked:	No		
Assessment Description: Final Examination, which will involve the same series of analyses run during the coursework, but on a fresh case study, provided in advance for preparation. The exam will be 3 hours in duration and will consist of two essay question in which students are asked about their findings of the analysis carried out on the case study.			
No Workplace Assessment			

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Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Classroom and demonstrations	36	Per Semester	3.00
Tutorial	Mentoring and small-group tutoring	12	Per Semester	1.00
Independent Learning	Independent learning	202	Per Semester	16.83
Total Weekly Contact Hours				4.00

Module Resources	
<i>Recommended Book Resources</i>	
<p>Cecil C. Bozarth and Robert B. Handfield. (2020), Introduction to Operations and Supply Chain Management, 5th Ed. Pearson.</p> <p>Nigel Slack, Alistair Brandon-Jones and Nicola Burgess. (2022), Operations Management, 10th Ed. Pearson.</p>	
<i>This module does not have any article/paper resources</i>	
<i>Other Resources</i>	
[Journal], International Journal of Operations and Production Management.	
Discussion Note:	Module name-change. Because of Globalisation and its impact on dispersed operations facilities, sources of supply and location of markets, it is being suggested that the Module title be changed to Operations and Supply Chain Management.