

Module Documentation



MGMT07006

Operations Management

Contents of this document are copyright of Galway Mayo Institute of Technology



MGMT07006

Operations Management

Short Title	Operations Management		
Full Title	Operations Management		
Attendance	N/A	Discipline	345 MANAGEMENT & ADMIN
Coordinator	Maureen Melvin	Department	Business
Official Code	MGMT07006	NFQ Level	07
		ECTS Credit	05

Module Description

Operations is one of the primary functions in an organisation, where it produces and delivers products and /or services. Operations is the main value-adding activity, thus providing the overall profitability for the organisation. This module will provide students with a thorough knowledge of what is involved in the planning, producing, and scheduling of operations.

Learning Outcomes

On completion of this module the learner will/should be able to

1. Define the role of operations management.
2. Explore the processes of how products or services are produced and delivered to customers.
3. Describe how an Enterprise Resource Planning (ERP) system works and how the major components (such as SOPs, MPS, MRP, purchasing, and shop-floor scheduling) relate to the making of the products/services.
4. Evaluate how the lean concept can be applied to processes and products / services along with making improvement in Operations.
5. Evaluate how resources are planned and how this process can assist in the effective and efficient running of Operations.

Teaching and Learning Strategies

Weekly - 3 hours of lectures with the support of MS powerpoint, demonstration videos, and case studies

Assessment Strategies

The assessment strategy will be in line with GMIT Marks and Standards. The assessment will consist of a C/A during the semester worth 30% and an end of semester examination worth 70%. This assessment strategy will assess that the student have achieved the module learning outcomes.

Repeat Assessment Procedures

The repeat process for this module will be a 2 hour written examination.

Assessment Facilities

None

Module Dependencies

Prerequisite Modules

None

Corequisite Modules

None

Incompatible Modules

None

Indicative Syllabus

Introduction to Operations Management: (10%)

- Introduction to how products or services are manufactured and delivered

Operations Planning: (20%)

- The relationship among the front-end planning for operational activities: Strategy, competitive advantages, 4Vs, SOPs, demand management, forecasting, the Master Production Schedule (MPS), and time bucket (or bucket-less system)

The Detail Planning Process (Material Requirement Planning): (25%)

- The concepts of Products Structures (or Bill of Materials (BOM), lot-sizing, lead-time, safety stocks) for making a product or service
- Using the MRP time-phased logic for planning and scheduling of operations

Manufacturing Execution Systems (MES) (25%)

- Shop-floor planning and control: order scheduling and priority scheduling rules, capacity management (long, mid and short-term resources)

Lean & Quality improvements: (20%)

- Lean principles, lean improvements and an overview of quality management systems

CourseWork / Assessment Breakdown

CourseWork / Continuous Assessment 30 %

End of Semester / Year Formal Examination 70 %

Coursework Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
CA	1,2,3,4,5	30	OnGoing

End Exam Assessment Breakdown

Description	Outcome Assessed	% of Total	Assessment Week
Final Exam Final Exam	1,2,3,4,5	70	End of Term

ACCS Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Open Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Distance Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Part Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Total Average Weekly Learner Workload 0.00 Hours					

Full Time Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
Lecture	Not Specified	Lecture	3	Weekly	3.00

Total Average Weekly Learner Workload 3.00 Hours

Online Learning Mode Workload

Type	Location	Description	Hours	Frequency	Avg Wkly Wrkld
------	----------	-------------	-------	-----------	----------------

Total Average Weekly Learner Workload 0.00 Hours

Module Resources

Module Book Resources

Note: The latest version of the books listed should be used.

Module Alternate Book Resources

None

Module Other Resources

None

Module URLs

None

Additional Information

None

ISBN BookList

Book Details

Nigel Slack 2010 *Operations Management with MyOMLab (6th Edition)* Prentice Hall
ISBN-10 0273731602 ISBN-13 9780273731603

Stephen N. Chapman, Lloyd M. Cli J. R. Tony Arnold 2013 *Introduction to Materials Management*: Pearson Education Limited
ISBN-10 129202108X ISBN-13 9781292021089

John Nicholas 2010 *Lean Production for Competitive Advantage: A Comprehensive Guide to Lean Methodologies and Management Practices* Productivity Press
ISBN-10 1439820961 ISBN-13 9781439820964

Approval Information

School Approval by Deirdre Lusby on 01-04-2015

Academic Council on 01-04-2015

Programme Membership

Code	Intake Year	Programme Title
GA_BBISG_H08	201500	Bachelor of Science (Honours) in Business Information Systems
GA_BBUAG_H08	201500	Bachelor of Business (Honours)
GA_BBENG_H08	201500	Bachelor of Business (Honours) with Entrepreneurship
GA_BBUSG_B07	201500	Bachelor of Business
GA_BFING_H08	201500	Bachelor of Business (Honours) in Finance and Economics
GA_BWITH_H08	201500	Bachelor of Business (Honours) with a European Language
GA_BRURA_H08	201500	Bachelor of Business (Honours) in Rural Enterprise and Agri-business
GA_BBENG_B07	201500	Bachelor of Business with Entrepreneurship
GA_BFING_B07	201500	Bachelor of Business in Finance
GA_BRURA_B07	201500	Bachelor of Business in Rural Enterprise and Agri-business
GA_BWITH_B07	201500	Bachelor of Business with a European Language
GA_BBISG_B07	201500	Bachelor of Science in Business Information Systems
GA_SAGAG_H08	201600	Bachelor of Science (Honours) in Agriculture and Environmental Management
GA_BINAG_H08	201500	Bachelor of Arts (Honours) in Information Systems Management
GA_BRUAG_H08	201500	Bachelor of Business (Honours) in Rural Enterprise and Agri-Business
GA_BRUAG_B07	201500	Bachelor of Business in Rural Enterprise and Agri-Business
GA_SAGRG_B07	201500	Bachelor of Science in Agriculture and Environmental Management
GA_SAGAG_H08	201600	Bachelor of Science (Honours) in Agriculture and Environmental Management