

Module Specification

Module Summary Information

1	Module Title	International Operations and Project Management
2	Module Credits	20
3	Module Level	7
4	Module Code	MAN7064

5	Module Overview
<p>The aim of this module is to introduce you to the intricacies of managing processes and projects in a global environment and how that can shape the competitive strategy of an organisation. The module commences with an examination of modern business drivers of competitive advantages through effective management of business operations and projects. The module is delivered under two connected themes namely operation management and project management. Under the project management theme, topics covered will include Project Planning, Design, Organisation, Leadership and Risk Management and under the operations management theme, topics will include Developing Lean Operations, Managing Operations Strategically, and Quality Improvement issues, globalisation and supply chains, operations performance measurement, operational resources management and developing a focused operations strategy. The module will therefore cover strategic level management issues that are congruent with the company's business and marketing strategies operating in a global environment.</p> <p>The overall aims of the module are for the student to:</p> <ul style="list-style-type: none"> • Develop a conviction that operations and projects can be managed as a strategic management resource and understand their strategic role and importance. • Understand the drivers and dimensions of competitive performance in a global environment. • Understand the inputs to the development of an operations strategy and project management strategy and their importance to the success of a company in any designated marketplace. <p>The module is delivered through a series of lectures, seminars, tutorials and workshops in which students are expected to contribute. Case studies from around the world and presentations will also be used in some session. You will also go on field/study trips where they will be able to observe in real time the operations and processes in international companies.</p>	

6	Indicative Content
	<p>Week 1: Induction Module information, Coursework briefing</p> <p>Week 2 MODULE Overview Lecture and seminar Introduction to Operations Management</p> <ul style="list-style-type: none"> • Definition and importance of operations management; • Contemporary challenges in operations management; • Strategic operations management decisions. <p>Week 3 Product and Service Design lecture, seminar and case study</p> <ul style="list-style-type: none"> • Products and services selection; • Products development; • Products and services design. <p>Form Groups (Maximum 5 group members)</p> <p>Week 4 Layout Strategy Lecture and seminar</p> <ul style="list-style-type: none"> • Types of layout; • Office relationship chart; • Assembly line balancing. <p>Week 5 Process Analysis lecture, seminar and case study Manufacturing and Service Process Analysis Process Mapping Microsoft Visio</p> <p>Week 6 Job Design and Measurement Field Trip – Company Visit Business Process Reengineering</p> <p>Week 7 Quality Management and Control lecture and seminar</p> <ul style="list-style-type: none"> • International quality standards; • Principle and tools of total quality management; • Statistical Process Control. <p>Week 8 Material Requirements Planning lecture, seminar and workshop</p> <ul style="list-style-type: none"> • Dependent inventory model requirements; • Structure and benefits of MRP; • Extensions of material requirements planning; • In class exercise: Push vs Pull System <p>Week 9 Aggregate Production Planning lecture, seminar and group activities</p> <ul style="list-style-type: none"> • Capacity planning and demand strategies; <p>Lean Production Enterprise Resource Planning</p> <ul style="list-style-type: none"> • Aggregate planning strategies; • Graphical and charting method. <p>Week 10 Inventory Management lecture and seminar</p> <ul style="list-style-type: none"> • Functions of holding inventory; • Models under conditions of certainty and uncertainty; • Just-in-time system • In class exercise: Supply Chain Simulation <p>Week 11 Supply Chain Strategy lecture, seminar and case study Materials Requirements Planning</p>

Location Strategy

- Factors that affect location decisions;
- Evaluating methods of location alternatives;
- Transportation model.

Sustainability

Week 12 Project Management lecture, seminar and case study

INTRODUCTION: Defining a project by differentiating between projects and continuing operations.

Project Management

- Importance of project management;
- The project lifecycle - from concept to termination.
- The factors that necessitate formation of a project group.
- Project planning, scheduling, and controlling;
- Project management techniques.

Week 13 Project Planning, Monitoring and Evaluation lecture, seminar and group activity

- The need for planning and setting an appropriate level of planning.
- Identifying the means, resources and actions necessary to accomplish the project.
- Knowledge of the broad planning required to implement a project of medium sized complexity. - Knowledge of the main planning and presentation techniques.
- Project Monitoring and Control Monitoring tools and control tools.
- Familiarity with budget management and progress evaluation.

Week 14 Summary

Company visit – Field trip

Week 15 Group Presentation in Class

Group Written Report Submission

7	Module Learning Outcomes		
	On successful completion of the module, students will be able to:		
	1	Critically assess the principles and characteristics governing modern approaches to the management of operations and the various approaches in their design and analysis.	
	2	Evaluate the application of conventional quality control and improvement strategies for organisations using relevant theories, concepts and models.	
	3	Critically appraise a range of operations and supply chain management initiatives and techniques that can be considered in the development of an operations strategy in a global environment.	
	4	Determine and apply fundamental project management principles in the organisation, design and delivery of international projects.	

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1, 2 & 3			X
4	X		

9 Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	36
Private Study (PS) includes preparation for exams	116
Total Study Hours:	200