

THE CYPRUS INTERNATIONAL INSTITUTE OF MANAGEMENT

COURSE UNIT DESCRIPTION

Course Unit Title	Operations Management	
Course Unit Code	MA440	
Type of Unit	Core	
Level of Course Unit	Second cycle	
Year of Study	First / second year	
Number of ECTS Credits	4.5 ECTS	
Course Unit Objectives	To provide students with the fundamentals of Operations and Supply Chain Management. It provides students with the analytical skills, techniques and tools required in managing the operations of a manufacturing or service organization. It discusses diverse activities, such as production process, global sourcing and procurement, planning and scheduling the flow of materials, Capacity Management, forecasting, inventory models, quality management, lean and sustainable supply chains, and location, logistics, and distribution.	
Learning Outcomes	On completion of this course students are expected to	
	CILO 1	Understand the importance of production, operations supply chain systems in manufacturing and service sectors
	CILO 2	Demonstrate effective management of these systems.
	CILO 3	Explain the various types of production process and understand process analysis
	CILO 4	Appraise global sourcing and procurement techniques
	CILO 5	Compare and discuss different inventory models
	CILO 6	Classify and use forecasting models
	CILO 7	Explain what is lean and sustainable supply chains
	CILO 8	Explain the importance of Quality Management
	CILO 9	Demonstrate knowledge in determining new locations for a firm, taking into account logistics and distribution systems
	CILO 10	Understand what is Capacity Planning and scheduling
	CILO 11	Demonstrate knowledge of Project Management tools and techniques
Name of Lecturer(s)	Dr. Takis Stylianides	
Mode of delivery	Face to Face	
Prerequisites or corequisites	None	

Course Content	Creating Value through Operations and Supply Chains	CILO 1, 2
	<ul style="list-style-type: none"> • Introduction to Operations and Supply Chain Management 	
	The Operations Environment	CILO 3, 8, 10
	<ul style="list-style-type: none"> • Business Processes and Facility Layout in Manufacturing and Services • Managing Quality • Managing Capacity & Scheduling 	
	Planning and Controlling Operations and Supply Chains	CILO 4, 5, 6
Forecasting		
Aggregate Planning		
Managing Inventory		
JIT/Lean Production		
Supply Chain Management	CILO 7, 9	
<ul style="list-style-type: none"> • Supply Management • Logistics 		
Project Management and Product/Service Development	CILO 11	
Managing Projects		
Developing Products and Services		
Recommended or required reading	<p><u>Textbooks:</u></p> <p>Jacobs, R. F. & Chase, R. B. (2013). <i>Operations and Supply Chain Management</i>, (13th ed.), McGraw-Hill</p> <p>Bozarth, C. & Handfield, R.B. (2012) <i>Introduction to Operations and Supply Chain Management</i>, (3rd ed.), Prentice Hall</p> <p>Evans, J. & Collier, E. (2010) <i>Operations Management: Goods, Services and Value Chains</i></p> <p>Heizer, J. & Render, B. (2013). <i>Operations Management</i> , (11th ed.), Pearson Prentice Hall</p> <p>Davis, Aquilano & Chase (2004). <i>Fundamentals of Operations Management</i>, (4th ed.), McGraw Hill</p>	
Planned learning activities and teaching methods	Lectures; in-class discussion and debates; in-class exercises; problem sets; teaching experiments; team work; video case studies	
Assessment methods and criteria	20% Class participation 80% Final examination	
Language of Instruction	English	
Work Placement(s)	Not applicable	