



Course Descriptor MNGT545 – Logistics & Supply Chain Management

Proposed Academic Year	2021-2022	Last Reviewed Academic Year	2020-2021
Course Code	MNGT545	Course Title	Logistics & Supply Chain Management
Credit hours	3	Level of study	Postgraduate
College / Centre	College of Business Administration	Department	MNGT-MBA
Co-requisites	None	Pre-requisites	None

1. COURSE OUTLINE

Globalization, informed customers and technology has changed the dynamics of countries' economies in 21st century. A critical challenge faced by any organization is the development of efficient and effective supply chains and logistics management system. This course introduces students the 21st century practices of supply chain management and logistic management's core processes leading to lean, agile, fast and flexible supply chains. The components of supply chain - planning, sourcing, making, delivering, and returning - are critical across industry sectors of manufacturing, retailing, business services etc. and are taught to the students in this course. The students will also be able to understand the major issues and challenges faced by manufacturers and distributors across the supply chain processes.

2. AIMS

The aim of this course is to provide students with the foundation knowledge of supply chain and its importance in organizational success. At the end of the course, students will be able to learn how to deal with uncertain demand and supply management; forecasting techniques to meet the demand of the product and fulfill the customers' expectation in a minimum lead time; and the contemporary frameworks adopted by the companies for achieving competitive drive. This course will also make them understand the role of logistics in supply chains and setting up of facilities in different location to meet the responsiveness of the customers' efficiently.

3. Graduate Attributes

The course will help achieve the following attributes of our graduates:

1. Knowledge of a discipline
2. Commitment to national development and Omani ethical values
3. Innovative spirit
4. Global insight
5. Adaptability to changing environments

4. LEARNING OUTCOMES, TEACHING, LEARNING and ASSESSMENT METHODS (Indicative)

Learning Outcomes (Definitive): the students will be able to:	Teaching and Learning methods (Indicative)	Assessment (Indicative)	Graduate Attributes
1. Understand the role	Lectures, PowerPoint	Exam +	1 & 4



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and view of supply chain management in 21st century and the important dimensions of logistics management in support of global chain challenges.	Presentations & Group Discussion	Participation	
2. Visualize the fundamentals of supply chain management by exploring all its critical components using SCOR® Model.	Lectures and seminars, Group work, Presentations	Class Presentation, Written Examination, Case Study, Assignments.	3
3. Focus on contemporary and futuristic approaches to managing inventory effectively and efficiently in supply chain.	Lectures and seminars, Group work, Presentations	Class Presentation, Written Examination, Case Study, Assignments.	4
4. Examine the strategic issues faced by organizations to remain competitive in the global economy.	Lectures and seminars, Group work, Presentations	Class Presentation, Written Examination, Case Study, Assignments.	5

5. ASSESSMENT WEIGHTING

Assessment	Percentage of final mark (%)
Midterm Examination	20
Case/Assignment	45
Final Exam	35
TOTAL	100%

6. ACHIEVING A PASS



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Students will achieve **03** credit hours for this course by passing **ALL** of the course assessments and achieving a **minimum overall score of 50%**

7. COURSE CONTENT (Indicative)

WEEK	LECTURE TOPIC	TIME (HOURS)
1	Understanding the Supply Chain in 21st Century	3
2	Supply Chains: Development & Shaping for 21st century.	3
3	Supply Chain Performance: Achieving Strategic Fit and Scope & Supply Chain Drivers and Obstacles	3
4	Designing the Distribution Network in a Supply Chain & Global Dimensions of Supply Chain	3
5	Roles of Logistics in Supply Chain Exam 1	3
6	Distribution & Omni Channel Network Design in the Supply Chain	
7	Network Design in an Uncertain Environment	3
8	Sourcing Materials & Services	3
9	Producing Goods and Services	3
10	Demand Management: Balancing Supply & Demand	3
11	Order Management & Customer Service	3
12	Managing Inventory in the Supply Chain	3
13	Distribution Management Fulfilment Operations	3
14	Transportation- Managing the flow of Supply Chain	3
15	Aligning Supply Chains	3
16	Final Exam	
	TOTAL HOURS	45
1 - 16	Plus recommended independent Study Hours	45
	TOTAL COURSE HOURS	90



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8. RECOMMENDED READING

Core text/s:

Christopher, M. (2016). Logistics & Supply Chain Management.

Coyle, J., Langley, J., Novack, R. & Gibson, B. (2016). Supply Chain Management: A Logistics Perspective.

Secondary/Additional Texts:

Zidan, K. (2016). Supply Chain Management: Fundamentals, Strategy, Analytics & Planning for Supply Chain & Logistics Management.

Chopra, S., & Meindl, P. (2012). Supply Chain Management: Strategy, Planning & Operation.

Hugos, M. (2011). Essentials of Supply Chain Management.

DePaoli, T. (2012). Common Sense Supply Management: Tales From The Supply Chain Trenches.

Li, L (2007). Supply Chain Management: Concepts, Techniques And Practices: Enhancing The Value Through Collaboration.

List of Journals:

Supply Chain Management: An International Journal

Journal of Supply Chain Management

European Journal of Purchasing and Supply Management

International Journal of Logistics Management

International Journal of Physical Distribution and Logistics Management

Manufacturing and Service Operations Management

Journal of Business Logistics

European Journal of Operational Research

International Journal of Forecasting

International Journal of Logistics: Research and Applications

Library + Online resources:

ASU library

ASU online resources (ProQuest and e-library)

Sultan Qaboos University Library (by agreement)