COURSE SYLLABUS

Course Title: Logistics Management
Course Code: ISE 550
Instructor name and email: Dr. Mahmoud Masoud (mahmoud.masoud@kfupm.edu.sa)
Office hours: Through MS Teams - By appointment
Department: ISE

1. Course Description

An overview of the structure and management of logistics and physical distribution system is important for successful supply chain management. Topics include supply chain network design, manufacturing strategies, distribution strategies, warehousing, order processing, packaging, inventory management across echelons and enterprises, material handling, transportation modes and management, and international logistics.

2. List **the main objectives** of this course

To provide learners the ability to identify, evaluate, and capture opportunities for logistics management that create value. This course will:

1. Describe broad-ranging knowledge of logistics and transportation management concepts, processes, tools, and strategies
2. Explain how logistical activities are interrelated with other business and supply chain activities
3. Introduce how managers can leverage on various logistics management tools to improve operational, tactical, and strategic efficacy and efficiency of supply chains

3. Main reference and textbook

1. Paul R. Murphy, Jr., A. Michael Knemeyer - Contemporary Logistics (Global Edition)-Pearson (2018)

4. List Recommended Textbooks and Reference Material

2. Alan Harrison, Remko Van Hoek, Heather Skipworth - Logistics Management and Strategy_ Competing through the Supply Chain-Pearson (2015)
3. Ghiani, G., Laporte, G. and Musmanno, R., Introduction to Logistics Systems Planning and Control, John Wiley & Sons Ltd., Chicester, UK, 2013.
4. John Mangan, Chandra Lalwani, Tim Butcher, “Global Logistics and Supply Chain Management”, Wiley, 2008.
5. Kent Gourdin, “Global Logistics Management, A Competitive Advantage for the 21st Century”, Blackwell Publishing, 2006

5.Course Learning Objectives	
1.1	Describe the interrelationship between logistics and supply chain management (K)
1.2	Describe the different elements of the logistical systems (K)
2.1	Apply different methods to analyze materials storage, movement and management (S)
3.1	Evaluate competing scenarios and make sound decisions in solving real-world logistics problems (C)
3.2	Present and discuss business and supply chain strategic analysis and strategic change effectively ar persuasively to diverse audience both orally and in writing (C)

6. Course content

List of Topics	Contact hours/ # of classes
Logistics: Overview	3 / 2
Organizational and Managerial Issues in Logistics	3 / 2
Procurement, Handout from Ghiani Book, Case study	4.5 / 3
Order Management & Customer Service, Case study	4.5/ 3
Facility Location, Handout from Ghiani Book, Case study	6 / 4
Warehousing Management, Handout from Ghiani Book, Case study	4.5 / 3
Packaging and Material Handling	4.5 / 3
Transportation, Handout from Ghiani Book, Case study	4.5 / 3
Transportation Management (Chap 13)	3 / 2
International Logistics (Chap 14)	4.5 / 3
Project/case Presentations	3 / 2

7. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment Score
1	Attendance.	-	5%
2	Homework: Individual and groups homework.	4, 9, 15	10%
3	Three Quizzes	3, 7, 12	10%
4	***Mid term (Week 9) March 8, 2026***	9	25%
5	Project presentation and report	15	25%
6	Final exam (By Registrar)	16	25%

Grading Scale:

95 and above A+	85 to 89 B+	75 to 79 C+	65 to 69 D+	59 and below
90 to 94 A	80 to 84 B	70 to 74 C	60 to 64 D	

8. List Electronic Materials, Web Sites, Facebook, Twitter, etc.

http://www.apics.org/	https://www.sage.com/
https://www.instituteforsupplymanagement.org/	https://dynamics.microsoft.com/
https://www.sap.com/products/business-bydesign.html	https://www.oracle.com/,