



**Jordan University of Science and Technology**  
**Faculty of Engineering**  
**Industrial Engineering Department**

IE541 Supply Chain Management

First Semester 2021-2022

**Course Catalog**

3 Credit Hours. The course focuses on introducing the concept of supply chain for students as well as the applications in different industries. The course discusses supply chain drivers, network design, and performance measures. Transportation and pricing and revenue management are discussed in the course.

**Text Book**

<b>Title</b>	Supply Chain Management, Strategy, Planning and Operation
<b>Author(s)</b>	Chopra, S., and Meindl, P.
<b>Edition</b>	6th Edition
<b>Short Name</b>	Textbook
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Reference	Operations Management Processes and Supply Chains	Krajewski, Malhotra, Ritzman	11th Edition	

**Instructor**

Name	Dr. KHALID ALZOUBI
Office Location	C5 Level 1
Office Hours	Sun : 14:00 - 15:30 Mon : 14:30 - 16:00 Tue : 14:30 - 16:00 Wed : 14:30 - 16:00
Email	kmalzoubi4@just.edu.jo

Class Schedule & Room	
Section 1: Lecture Time: Mon : 11:30 - 13:00 Room: C3017	
Section 2: Lecture Time: Wed : 11:30 - 13:00 Room: C3017	

Prerequisites		
Line Number	Course Name	Prerequisite Type
294560	IE456 Production Planning And Inventory Control	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	UNDERSTANDING THE SUPPLY CHAIN	From <b>Textbook</b>
Weeks 2, 3	SUPPLY CHAIN DRIVERS AND METRICS	From <b>Textbook</b>
Week 4	SUPPLY CHAIN LOGISTIC NETWORKS	From <b>Reference</b>
Week 5	DESIGNING DISTRIBUTION NETWORKS	From <b>Textbook</b>
Week 6	NETWORK DESIGN IN THE SUPPLY CHAIN	From <b>Textbook</b>
Weeks 7, 8	COORDINATION IN SUPPLY CHAIN	From <b>Textbook</b>
Weeks 9, 10	SUPPLY CHAIN INTEGRATION	From <b>Reference</b>
Weeks 11, 12	TRANSPORTATION IN SUPPLY CHAIN	From <b>Textbook</b>
Weeks 13, 14	SUPPLY CHAIN SUSTAINABILITY	From <b>Reference</b>
Weeks 15, 16	PRICING AND REVENUE MANAGEMENT	From <b>Textbook</b>

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understanding of performance measures in supply chain designs [1SLO1]	10%	
Analyzing supply chain networks [1SLO1, 1SLO2]	40%	
Assessing suppliers to keep supply chain integration [1SLO1]	30%	
Understanding sustainable supply chains and managing pricing & revenue [1SLO2]	20%	

Relationship to Program Student Outcomes (Out of 100%)						
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	SLO7
60	40					

Evaluation	
Assessment Tool	Weight
First Exam	30%
Second Exam	20%
Final Exam	50%

Policy	
General	<p>NO audio or video recording is permitted</p> <p>Attendance will be checked at the beginning of each class. University regulations will be strictly followed for students exceeding the maximum number of absences. No make-up test will be given without an official university-approved excuse.</p> <p>Homework problems are designed to give the students the opportunity to practice solving problems related to the course materials presented each week. Homework problems will be assigned but will not be collected and graded.</p> <p>Students are responsible for all email messages sent by the instructor</p> <p>Academic Honesty: Students will abide by JUST policy on academic honesty listed in the University Bulletin. Failure to abide by this policy will result in serious consequences, such as a zero grade and possibly an F for the course.</p>
Students with disabilities	NOTE: If you are a student with special needs (disability), please contact me as soon as possible.

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