



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

IE541 Supply Chain Management - JNQF Level: 7

Second Semester 2024-2025

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.

Teaching Method: On Campus

Text Book

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

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	N1L2
Office Hours	
Email	kmalzoubi4@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Sun, Tue, Thu : 13:00 - 14:00
 Room: قاعة الفعاليات

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 Textbook
Weeks 2, 3	SUPPLY CHAIN DRIVERS AND METRICS	From Textbook
Week 4	SUPPLY CHAIN LOGISTIC NETWORKS	From Reference
Week 5	DESIGNING DISTRIBUTION NETWORKS	From Textbook
Week 6	NETWORK DESIGN IN THE SUPPLY CHAIN	From Textbook
Weeks 7, 8	COORDINATION IN SUPPLY CHAIN	From Textbook
Weeks 9, 10	SUPPLY CHAIN INTEGRATION	From Reference
Weeks 11, 12	TRANSPORTATION IN SUPPLY CHAIN	From Textbook
Weeks 13, 14	SUPPLY CHAIN SUSTAINABILITY	From Reference
Weeks 15, 16	PRICING AND REVENUE MANAGEMENT	From Textbook

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understanding of performance measures in supply chain designs [1SO1] [1L7K1]	10%	
Analyzing supply chain networks [1SO1, 1SO2] [1L7S1]	40%	
Assessing suppliers to keep supply chain integration [1SO1] [1L7K1]	30%	
Understanding sustainable supply chains and managing pricing & revenue [1SO2] [1L7S1]	20%	

Relationship to Program Student Outcomes (Out of 100%)

SO1	SO2	SO3	SO4	SO5	SO6	SO7
60	40					

Relationship to NQF Outcomes (Out of 100%)	
L7K1	L7S1
40	60

Evaluation	
Assessment Tool	Weight
First Exam	30%
Second Exam	30%
Final Exam	40%

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.

Date Printed: 2025-03-02