

King Fahd University of Petroleum and Minerals
KFUPM Business School
Department of Information Systems and Operations
Management

Course Syllabus for Supply Chain Management (OM 530)

First Semester 2025-2026 (251)

Instructor: **Dr. Irfanullah Khan**
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Classroom: **Building #24 236A**
Class Hours: **UT 17:20 – 18:35**

Office Hours: **UT 1430 – 1530 or by appointment**

Textbook:

Supply Chain Management: Strategy, Planning and Operations. Sunil Chopra and Peter Meindl, Pearson 2018 (7th edition)

Course Description:

This course addresses strategic and tactical issues pertaining to an organization's global supply chain and logistics activities. Topics include understanding global supply chains, supply chain strategies, supply chain drivers, distribution networks, coordination in the supply chain, risk management, sourcing. The course will rely on cases to understand and solve problems related to the management of global supply chains and logistics.

Course Objective:

- Describe concepts, tools and methods available in SCM.
- Explain the strategic role and drivers of a supply chain.
- Prepare a plan for determining and coordinating supply and demand in supply chains.
- Build an initial strategic framework for analyzing the performance of a supply chain.

Course Format:

To accomplish the course objectives, the course format will include lectures, case study and articles analyses and class discussions. Lectures will highlight and clarify important material in the text. Students are required to read the assigned materials before and after each class. Case study/articles assignments will be assigned by instructor. In addition, real world experiences might be provided through guest speakers from the local industry.

Class Preparation:

Preparation for each class involves reading the assigned chapter(s), attending classroom lectures, and completing the assigned tasks.

Course Outline:

Week	Topic/Chapter	Notes
1	Course introduction Ch1: Understanding the Supply Chain	
2	Ch2:Supply Chain Performance: Achieving Strategic Fit and Scope	Short cases at the end of Ch1 discussion
3	Article 1: What is the right supply chain for your product? Ch3: Supply Chain Drivers and Metrics	Article reading and discussion
4	Ch3: Supply Chain Drivers and Metrics	
5	Ch4:Designing Distribution Networks and Applications to Online Sales	
6	Case Study 1 Presentations (Walmart: Supply Chain Management)	
7	Ch5: Network Design in the Supply Chain	
8	Guest Speaker session 1 (tentative)	
	<u>October 12th Mid-Term Exam (tentative)</u> (during class time) Material (Ch1, Ch2, Ch3, Ch4, Article 1)	
	<u>October 26th – October 30th Mid-Term Break</u>	
9	Ch6: Designing Global Supply Chain Networks	
10	Article2 : Managing Risk to Avoid Supply Chain Breakdowns	
11	Ch9: Sales and Operations Planning in a Supply Chain	
12	Case Study 2 Presentations (Amazon.com: Supply Chain Management)	
13	Guest Speaker session 2 (tentative)	

14	Ch10: Coordination in a Supply Chain	
15	Ch14: Transportation in a Supply Chain Global Supply Chain Simulation V2 report	Due on 10th December 2025

Due Dates:

Case Study 1 Presentations	Week 6 5 th October (Groups 1,2,3,4,5) 7 th October (Groups 6,7,8,9,10)
Case Study 2 Presentations	Week 12 19 th November (Groups 6,7,8,9,10) 24 th November (Groups 1,2,3,4,5)
Mini-Research Assignment 1	Week 7 12 th October
Mini-Research Assignment 2	Week 13 23 rd November
Global Supply Chain Simulation Report	Week 15 7 th December

Grade Policy Grades should represent both the understanding of required concepts, and the ability to demonstrate competence in required skills. Grades represent both absolute and relative measures of student achievement in OM 530.

The course will follow standard grading systems as follows:

A+	95 - 100
A	90 - 94.9
B+	85 - 89.9
B	80 - 84.9
C+	75 - 79.9
C	70 - 74.9
D+	65 - 69.9
D	60 – 64.9
F	59.9 and below

There are seven components of the grade for this class. The distribution of the points for these components is as follows:

Attendance	5%
Class Participation	5%
Case study presentations	10%
Mini Research Assignment 1	5%
Mini Research Assignment 2	5%
Final simulation report	15%
Midterm Exam	25%
Final Exam	30%
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TOTAL	100%

Groups of 4 students will be formed at the beginning of the semester. The group will work together to present the two assigned cases as shown in the course plan above.

All assigned cases, articles and simulation can be accessed through this link:

<https://hbsp.harvard.edu/import/1089012>

Please note that two articles are optional where you can buy them from the HBP or you can find them from other sources on the web. In case you cannot buy the required material for any reason please let me know.

Mini Research Assignment:

For these two assignments you will be working individually to submit a short research summary for each assignment.

- Assignment 1: you need to find any related business story that actually happened. It does not have to be recent or local as far as it is related to the course and interesting. This could be found through news websites, supply chain management news websites or even through documentaries. Stories from your companies will not be accepted.
- Assignment 2: you need to find a published research paper(s) from a reputable journal and submit a short summary.

Submission will be through BB only.

For exams, make-ups will be arranged for students missing the exam ONLY for an excused official reasons. Please send your instructor an e-mail before exam so that the make-up can be arranged.

The questions in the exam will be related to the topics covered in the class lectures, cases and articles. The student should expect all types of questions such as MCQ, T&F, short answers, calculations and essay questions.

Attendance and Participation:

For participation, it is very important for each student to get engaged in class discussions and raising questions and arguments related to the topics discussed. In certain days we will have article/cases to be discussed where each student is expected to actively participate in such session.

How to study for the course:

- Spend some time on the course every day, whether you have class or not.
- Take good notes in class and review them frequently, comparing them to corresponding material in the text.
- As examples are worked in class, work them also on your own simultaneously.
- Read the chapter in the text prior to it's being covered in class.
- Study and review the examples in the text.
- Do not miss classes, come late or sleep during the lectures.
- Pay attention and be alert to the topic being discussed.

I reserve the right to add or delete from this schedule and syllabus. Changes may be necessary to accommodate time constraints.