



Operational Models for Supply Chain Management

OSCM 4375 Spring 2020



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Class Hours: MW 12:00 - 1:20 p.m.

COBA Room 329

Office Hours: MW 8:00 - 11:15 a.m.

Required Textbook:

Supply Chain Management: Strategy, Planning, and Operations, by Sunil Chopra and Peter Meindl,
Prentice Hall, 6th edition
ISBN: 9780133800203

Welcome to the undergraduate Operational Models for Supply Chain Management Course. Official information for OSCM 4375, including grades, will be posted on Blackboard. You are responsible for reading and responding to Blackboard “Announcements”, “Assignments”, “Assessments”, and any other information concerning this course - check your Blackboard account daily!

Course description (*From Goldmine*)

An examination of some of the major operational concepts and issues relating to the flow of materials, goods, services, and information through a company's supply chain-the network of organizations that supply and transform materials and distribute final products to customers. The course seeks to provide an understanding of the importance of individual components (suppliers, manufacturers, distributors, and customers) in the operation of the supply chain. It will emphasize inventory-service level tradeoffs, risk pooling, and other operational concerns. Some of the more recent approaches designed for the effective and efficient operation of the supply chain will be discussed.

Prerequisites: OSCM 3321, QMB 3301 and CIS 3345.

Objectives:

At the completion of this course students will be able to:

1. Identify the global trends in Supply Chain Models.
2. Define the individual components in the operations of the supply chain.
3. Explain the inventory-service level tradeoffs.
4. Describe how to manage risk pooling.
5. Explain the implementation issues associated with supply chain modeling.
6. Define the key design issues associated with supply chain modeling.
7. Define the key factors for assessing supply chain models.
8. Describe the analysis and assessment of supply chain models.

Lectures

Important material from the textbook, reference books, and case studies will be covered in class. You should plan to read a lot and take careful notes. Discussion is strongly encouraged about the topics being covered.

Please bring a computer that can run a recent version of Microsoft Excel to class!



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Regular Exams

There will be three regular, non-comprehensive exams that cover class materials and chapters in the textbook and reference books, taught up to the date of the last class before the exam. All exams will be online – taken through Blackboard using the Respondus browser. If class size is less than 40 students, I may be able to schedule exams in one of the COBA computer labs. If the class is larger than that, or if labs are not available, you will need to bring a fully updated computer that can login to the UTEP secure network, login to your Blackboard account and run the latest Respondus browser. You cannot leave and reenter the classroom, once an exam has begun. **There are no make-up exams.**

Grading Policy:

10 %	First Regular Exam	A =	numerical grade ≥ 90
15 %	Second Regular Exam	B =	$80 \leq$ numerical grade < 90
15 %	Third Regular Exam	C =	$70 \leq$ numerical grade < 80
15 %	Final Exam	D =	$60 \leq$ numerical grade < 70
10 %	Attendance and Punctuality	F =	numerical grade < 60
20 %	Projects		
15 %	Homework and Quizzes		

Project Activity

There will be a written class project/presentation requirement. Project topics and assignments will be determined before the end of the second week of classes. Each student is expected to contribute equally throughout the semester towards a team or individual project.

COURSE POLICIES

1. Electronic Devices

All electronic devices (cell phones, laptops, tablets, camera containing devices, etc.) should be completely turned off in class and should not be in the hands of students at any time during class lectures, except as noted in the Project Activities section above. The Professor reserves the right to temporarily confiscate electronic devices owned by students when electronic devices create distractions or disruptions. There will be absolutely no texting, phone calls, or social media interaction during class. All students are expected and required to comply. Keep in mind that adherence to this policy is part of your participation grade, and will be worth 5% of your overall grade.

2. Academic Integrity

Cheating is unethical and unacceptable. Using information or original wording in a paper or assignment without giving credit to the source of that information or wording is **plagiarism**, and is absolutely unacceptable. Do not submit work under your name that you did not do yourself. You may not submit work for this class that you did for another class. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to <https://www.utep.edu/student-affairs/osccr/student-conduct/academic-integrity.html> for further information.

3. Attendance and Punctuality

Attendance will be logged and tracked automatically using geolocation through the Arkaive App. You must download the app on your phone or laptop, create an account, register for the class using **enrollment code F743**, then check in each class day. Please see <https://arkaive.com/our-product>, and Blackboard for detailed instructions. Attendance is valued in this class, just as it is in the workplace. Being absent or late to class sends a negative message to the Professor, just like it does to an employer, manager, or customer.



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You cannot contribute to class discussion when you are not present. Please keep in mind that missing one class is equivalent to missing 5 days of work.

Class attendance is required and expected. Exam and quiz material will be partially based on lectures, therefore you are responsible for all material covered in class. Please arrive on time and take your seat quickly and quietly. Arriving late hinders all students and is considered disruptive to everyone in class.

Please keep in mind this University policy on attendance (Class Attendance): “When in the judgment of the instructor, a student has been absent to such a degree as to impair his or her status relative to credit for the course, the instructor can drop the student from the class with a W before the course drop deadline or with a grade of F after the course drop deadline.” The instructor reserves the right to raise or lower student’s grade based on the quality and quantity of the student’s participation.

4. Homework

There will generally be one homework assignment given each week for the entire semester, taken from material previously covered in class. Please note that you should complete and turn in homework exclusively through Blackboard. Homework will not be accepted via hardcopy, email, or text messages and cannot be turned in after its due date. If you expect to miss class, make sure you will be able to do the homework before its due date. No late assignments will be accepted. Unless specifically stated otherwise in a homework assignment, all homework is a strictly individual and non-collaborative task.

5. Quizzes

There will generally be one reading quiz due each week, taken from textbook material that will be covered in the week to follow. These reading quizzes are structured to compel and reward you for reading ahead in the text in preparation for upcoming lectures. Reading quizzes will be administered through Blackboard and generally be due each Tuesday for the entire semester. Reading quizzes will usually cover one chapter, except in cases where two chapters are being covered in a subsequent week’s lecture.

6. Need for Assistance

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the Center for Accommodations and Support Service (CASS) website at <http://sa.utep.edu/cass>

7. Other Student Services

University Writing Center: <http://uwc.utep.edu/index.php>

Sexual Harassment (Title IX) Guide for students: <https://www.utep.edu/titleix/>

University Counseling Center: <https://www.utep.edu/student-affairs/counsel/index.html>, 747-5302, 202 Union West; walk-ins OK.

Student Health and Wellness Center: <https://www.utep.edu/chs/shc/>, 747-5624. Many services free to students paid for through student health fee.

Student Engagement and Leadership Center: <https://www.utep.edu/student-affairs/selc/>, 106 Union West, 747-5670. Includes study space with workstations; family friendly room with lactation space.

University Career Center: <https://www.utep.edu/student-affairs/careers/>, 103 Union West, 747-5640.



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Mine Tracker: <https://minetracker.utep.edu/>. Events, news and organizations.

8. Campus Carry:

Persons who hold a Concealed Handgun License can lawfully carry their gun into a UTEP classroom as long as it remains concealed. Open carry remains prohibited on campus. Should you feel someone is intentionally displaying a gun (or any other weapon for that matter), do not hesitate to call Campus Police (ext. 5611) or 911. For information on campus concealed carry, see <https://www.utep.edu/campuscarry/>. For more information on campus safety and emergency response, see: <https://www.utep.edu/student-affairs/dean-of-students-office/student-safety/emergency-response/index.html>.

Please note that the GBC is a designated **Campus Carry Exclusion Zone** – a property leased by the University which has existing tenant leases *prohibiting weapons*. For more on Exclusion Zones see: <https://www.utep.edu/campuscarry/exclusion-zones/index.html>

9. Student Responsibility

Individual students must operate with integrity in their dealings with faculty and other students; engage learning materials with appropriate attention and dedication; maintain engagement when challenged by difficult learning activities; contribute to the learning of others; and perform to standards set by the faculty.

Note: This is a tentative syllabus and the Professor reserves the right to make changes at any time.

Please see detailed class outline, beginning on the following page. It is a good idea to print this outline, double-sided, on a single page, and carry it with you at all times so you'll know what we are going to be doing on a particular day in class. Please note that all the exams are pre-scheduled on very specific dates that cannot change – so plan your personal activity accordingly and well in advance, **as there are no makeup exams, and late work is not accepted.**



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Detailed Course Outline:

Week	Day	Date	Subject	Discussion	HW
1	Mon	Jan 20	No Class	Martin Luther King Holiday	
	Wed	Jan 22	Introduction Reading Quiz 1	Class Introduction and Expectations Chapter 1 on Blackboard	
2	Mon	Jan 27	Chapter 1 Reading Quiz 2	Understanding the Supply Chain Chapter 2 on Blackboard	
	Wed	Jan 29	Chapter 2	Supply Chain Performance	
3	Mon	Feb 3	Chapter 3 Reading Quiz 3	Supply Chain Drivers and Metrics Chapter 3 on Blackboard	#1
	Wed	Feb 5	Chapter 4	Designing Distribution Networks	
4	Mon	Feb 10	Chapter 4 Reading Quiz 4	Designing Distribution Networks Chapter 4 on Blackboard	#2
	Wed	Feb 12	Exam #1	One hour exam, covers Chopra Chapters 1-4	
5	Mon	Feb 17	Hands-On Reading Quiz 5	OSCM Leadership Learning Activity Chapter 5 on Blackboard	#3
	Wed	Feb 19	Chapter 5	Network Design in the Supply Chain	
6	Mon	Feb 24	Chapter 5 Reading Quiz 6	Network Design in the Supply Chain Chapter 6 on Blackboard	#4
	Wed	Feb 26	Chapter 6	Global Supply Chain Networks	
7	Mon	Mar 2	Chapter 6 Reading Quiz 7	Global Supply Chain Networks Chapter 9 on Blackboard	#5
	Wed	Mar 4	Chapter 9	Sales and Operations Planning	
8	Mon	Mar 9	Chapter 9 Reading Quiz 8	Sales and Operations Planning Chapter 10 on Blackboard	#6
	Wed	Mar 11	Chapter 9	Sales and Operations Planning	
9	Mon	Mar 16	No Class	Spring Break	
	Wed	Mar 18	No Class	Spring Break	
10	Mon	Mar 23	Exam #2	One hour exam, covers Chopra Chapters 5, 6, and 9	
	Wed	Mar 25	Hands-On	OSCM/Leadership Learning Activity	#7
11	Mon	Mar 30	Chapter 10 Reading Quiz 9	Coordination in a Supply Chain Chapter 14 on Blackboard	
	Wed	Apr 1	Chapter 10	Coordination in a Supply Chain	#8
12	Mon	Apr 6	Chapter 14 Reading Quiz 10	Transportation in a Supply Chain Chapter 15 on Blackboard	
	Wed	Apr 8	Chapter 14	Transportation in a Supply Chain	#9



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13	Mon	Apr 13	Chapter 15 Reading Quiz 11	Sourcing Decisions in a Supply Chain Chapter 16 on Blackboard	
	Wed	Apr 15	Chapter 15	Sourcing Decisions in a Supply Chain	#10
14	Mon	Apr 20	Exam #3	One hour Exam, covers Copra Chapters 10, 14 and 15	
	Wed	Apr 22	Hands-On	OSCM/Leadership Learning Activity	#11
15	Mon	Apr 27	Chapter 16 Reading Quiz 12	Pricing and Revenue Management Chapter 18 on Blackboard	
	Wed	Apr 29	Chapter 16	Pricing and Revenue Management	#12
16	Mon	May 4	Chapter 17	Sustainability and the Supply Chain	
	Wed	May 6	Chapter 17	Sustainability and the Supply Chain	
	Friday	May 15	Final Exam 1:00pm-3:45pm		