



# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



**Instructor:** Mr. Michael S. Garcia MSPM

**E-mail:** [mvgarcia4@utep.edu](mailto:mvgarcia4@utep.edu)

**Office:** COBA 251

**Phone:** (915) 747-8631

**Fax:** (915) 747-5348

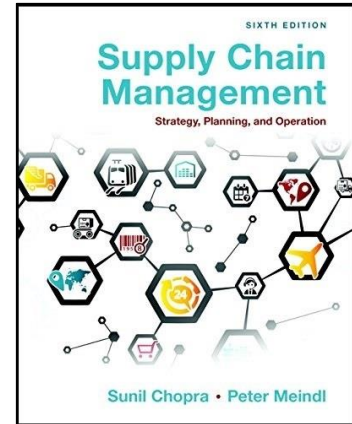
**Class Hours:** MW 12:00pm–1:20pm **COBA Room 329**

**Office Hours:** MW 8:00 - 10:15pm, TR 10:00-12:00am or by appointment

### Required Textbook:

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

There is a newer 7<sup>th</sup> edition of this book – **don't buy the 7<sup>th</sup> edition! We will be using the 6<sup>th</sup> edition, only, for this class!**



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 and QMB 3301 with minimum grades of D.

### Objectives:

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

1. Identify the global trends in Supply Chain Modeling.
2. Define the individual components in the operations of the supply chain.
3. Explain inventory-service level tradeoffs.
4. Describe how to manage risk pooling.
5. Explain implementation issues associated with supply chain modeling.
6. Define key design issues associated with supply chain modeling.
7. Define 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, case studies, multimedia sources, and homework problem examples will be covered in class lectures. The detailed class outline at the end of this syllabus shows you exactly what activity and book chapters will be covered during each week of the entire semester session. You should plan to read a lot and take careful lecture notes. Discussion and engagement with your classmates is strongly encouraged about the topics being covered, both in class and through discussion board assignments. **Please make sure that you have a computer that can run a recent version of Microsoft Excel. This will be required for homework, and will be very beneficial to have in class when I cover Excel examples.**



# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



### Regular Exams

There will be three regular, non-comprehensive exams that cover class materials and chapters in the textbook and other materials, taught up to the date of the last class before the exam. Exams will be administered electronically **in class or in a COBA Computer Lab**, through Blackboard. You must use Respondus Lockdown Browser to take exams, and have a working webcam and microphone on the computer you are using. Respondus Monitor will be enabled and will be recording everything you do and say during your exam session. You will have 60 minutes to take exams. If you have some kind of problem with your computer or Internet connection, your answers will be saved, and you'll have plenty of time to restart and reenter the exam. You must complete the exam within 60 minutes of the time you started it, including any interruptions. Exams must be taken in class or in a Lab, **in person**. Exams will not be available remotely – no exceptions! **There are no make-up exams.**

### How we will Communicate

I will communicate with you through Blackboard announcements, global emails sent to the whole class and office hours either in-person or virtual. The best way to communicate directly with me is via email to [msgarcia4@utep.edu](mailto:msgarcia4@utep.edu). I teach many classes and have many students, so please identify your **course number** and a **message topic** clearly in the Subject line of your email. A good example email Subject line would be:

Subject: OSCM 4375 – Question about Exam 1 Grades

If you do not include this information in the Subject line of your message, it may significantly delay my response. I will do my best get back to you within 1 business day.

### Netiquette Guidelines:

Netiquette is a set of rules for behaving properly online. We must establish and maintain a safe online learning environment. All opinions and experiences, no matter how different or controversial they may be perceived, must be respected in a tolerant spirit of academic discourse. You are encouraged to comment, question, or critique an idea but you are not to dismiss or attack any individual. Working as a community of learners, we will build a polite and respectful course community.

The following netiquette tips will enhance the learning experience for everyone in this course:

- Do not dominate any discussion.
- Give other students the opportunity to join in the discussion.
- Do not use offensive language. Present ideas appropriately and professionally.
- Be cautious in using Internet language. For example, do not capitalize all letters since this suggests shouting. Popular emoticons, such as ☺, can be helpful to convey your tone but do not overdo or overuse them.
- Avoid using vernacular or slang language. This could possibly lead to misinterpretation.
- Never make fun of someone's ability to read or write.
- Share tips with other students.
- Keep an "open-mind" and be willing to express even your minority opinion. Minority opinions will be respected.
- Think, pause, and edit before you push the "Send" button.
- Do not hesitate to ask for feedback.
- Be careful using humor – your perception of what is funny may be very different from someone else's.



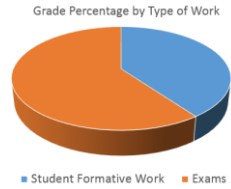
# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



### Grading Policy:

15 %	First Regular Exam	<b>A</b> =	numerical grade $\geq 90$
15 %	Second Regular Exam	<b>B</b> =	$80 \leq$ numerical grade $< 90$
15 %	Third Regular Exam	<b>C</b> =	$70 \leq$ numerical grade $< 80$
15 %	Final Exam	<b>D</b> =	$60 \leq$ numerical grade $< 70$
10 %	Attendance and Punctuality	<b>F</b> =	numerical grade $< 60$
30 %	Homework, Quizzes and other Assignments		



## COURSE POLICIES

### 1. Electronic Devices

All electronic devices (cell phones, tablets, camera containing devices, etc.) should be completely turned off during exams and should not be in the hands of students at any time during an exam. There will be absolutely no texting, phone calls, or social media interaction during class or exams. Such activity will be captured and recorded by Respondus Monitor and will constitute grounds for disqualifying an exam attempt, resulting in a grade of zero.

### 2. Academic Integrity

Cheating is unethical and unacceptable. Using information or original wording in a paper, assignment or discussion board 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 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. You cannot make a contribution to the class if you are not present. Please keep in mind that missing 1 class is equivalent to missing 5 days of work.

Class attendance is required and expected. Exam and quiz material will be substantially 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.

### 4. Homework

There will generally be one homework assignment for each text chapter, 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 be out-of-pocket, 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, non-group, non-collaborative task.

### 5. Quizzes

There will generally be one short reading quiz for each text chapter, taken from material that will be covered in the days to follow. These reading quizzes are structured to compel and reward you for reading



# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



ahead in the text in preparation for upcoming lectures. Reading quizzes will be administered through Blackboard.

### 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](mailto: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 <https://www.utep.edu/student-affairs/cass/>

### 7. Other Student Services

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

Sexual Harassment Guide for students: <https://www.utep.edu/titleix/Filing-a-Complaint.html>

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

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.

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 overall campus safety, see:

<https://www.utep.edu/student-affairs/dean-of-students-office/student-emergency/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.

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 make-up exams, and late work is not accepted.**



# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



**Class Hours: MW 12:00pm–1:20pm**

**COBA Room 329**

### Detailed Course Outline:

Week	Day	Date	Subject	Discussion	Comment
1	Mon	Jan 15	<b>No Class</b>	<b>Martin Luther King Holiday</b>	
	Wed	Jan 17	Introduction <b>Reading Quiz 1</b>	Class Introduction and Expectations Chapter 1 on Blackboard	
2	Mon	Jan 22	Chapter 1 <b>Reading Quiz 2</b>	Understanding the Supply Chain Chapter 2 on Blackboard	
	Wed	Jan 24	Chapter 2	Supply Chain Performance	HW #1
3	Mon	Jan 29	Chapter 3 <b>Reading Quiz 3</b>	Supply Chain Drivers and Metrics Chapter 3 on Blackboard	
	Wed	Jan 31	Chapter 4	Designing Distribution Networks	
4	Mon	Feb 5	Chapter 4 <b>Reading Quiz 4</b>	Designing Distribution Networks Chapter 4 on Blackboard	HW #2
	Wed	Feb 7	<b>Exam #1</b>	<b>One hour exam, covers Chopra Chapters 1-4</b>	
5	Mon	Feb 12	Hands-on Activity <b>Reading Quiz 5</b>	OSCM Leadership Learning Activity Chapter 5 on Blackboard	
	Wed	Feb 14	Chapter 5	Network Design in the Supply Chain	
6	Mon	Feb 19	Chapter 5 <b>Reading Quiz 6</b>	Network Design in the Supply Chain Chapter 6 on Blackboard	HW #3
	Wed	Feb 21	Chapter 6	Global Supply Chain Networks	
7	Mon	Feb 26	Chapter 6 <b>Reading Quiz 7</b>	Global Supply Chain Networks Chapter 9 on Blackboard	
	Wed	Feb 28	Chapter 9	Sales and Operations Planning	
8	Mon	Mar 4	Chapter 9 <b>Reading Quiz 8</b>	Sales and Operations Planning Chapter 10 on Blackboard	HW #4
	Wed	Mar 6	Chapter 9	Sales and Operations Planning	
9	Mon	Mar 11	<b>No Class</b>	<b>Spring Break</b>	
	Wed	Mar 13	<b>No Class</b>	<b>Spring Break</b>	
10	Mon	Mar 18	Chapter 10 <b>Reading Quiz 9</b>	Coordination in a Supply Chain Chapter 14 on Blackboard	
	Wed	Mar 20	<b>Exam #2</b>	<b>One hour exam, covers Chopra Chapters 5, 6, and 9</b>	



# Operational Models for Supply Chain Management

## OSCM 4375 Spring 2024



11	Mon	Mar 25	Hands-on Activity	OSCM Leadership Learning Activity	
	Wed	Mar 27	Chapter 10	Coordination in a Supply Chain	HW #5
12	Mon	Apr 1	Chapter 14 <b>Reading Quiz 10</b>	Transportation in a Supply Chain Chapter 15 on Blackboard	
	Wed	Apr 3	Chapter 14	Transportation in a Supply Chain	HW #6
13	Mon	Apr 8	Chapter 15 <b>Reading Quiz 11</b>	Sourcing Decisions in a Supply Chain Chapter 16 on Blackboard	
	Wed	Apr 10	Chapter 15	Sourcing Decisions in a Supply Chain	HW #7
14	Mon	Apr 15	<b>Exam #3</b> <b>Reading Quiz 12</b>	<b>90 minute Exam, covers Chopra Chapters 10, 14 and 15</b> Chapter 17 on Blackboard	
	Wed	Apr 17	Chapter 16	Pricing and Revenue Management	
15	Mon	Apr 22	Chapter 16	Pricing and Revenue Management	HW #8
	Wed	Apr 24	Chapter 17	Sustainability and the Supply Chain	
16	Mon	Apr 29	Chapter 17	Sustainability and the Supply Chain	
	Wed	May 1	<b>Exam #4</b>	<b>90 minute Exam, covers Chopra Chapters 16, 17 + selected comprehensive questions.</b>	

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



# Operational Models for Supply Chain Management

OSCM 4375 Spring 2024



## Spring 2024 Academic Calendar:

<b>Oct 23rd</b>	Spring Registration Begins
<b>Jan 4th</b>	Last Day to Clear Students on Suspension/Probation as well as those with Insufficient Prerequisites
<b>Jan 5th</b>	Drops for Students with Unsatisfactory Academic Standing, Insufficient Prerequisites, and Prior Grades of C in the Course
<b>Jan 8th</b>	Financial Aid is Disbursed
<b>Jan 15th</b>	Dr. Martin Luther King, Jr. Holiday – University Closed
<b>Jan 16th</b>	Spring classes begin
<b>Jan 16th-19th</b>	Late Registration (Fees are incurred)
<b>Jan 31st</b>	Spring Census Day. Note: This is the last day to register for classes. Payments are due by 5:00 pm.
<b>Feb 12th</b>	20 <sup>th</sup> Class Day. Note: Students who were given a payment deadline extension will be dropped at 5:00 pm if payment arrangements have not been made.
<b>Feb 16th</b>	Graduation application deadline for degree conferral
<b>Mar 11th-15th</b>	Spring Break
<b>Mar 20th</b>	Freshman midterm grades are due
<b>Mar 28th</b>	Spring Drop/Withdrawal Deadline Note: Student-initiated drops are permitted after this date, but the student is not guaranteed a grade of W. The faculty member of record will issue a grade of either W or F.
<b>Mar 29th</b>	Cesar Chavez Holiday - No classes; Spring Study Day
<b>Apr 12th</b>	Deadline to submit candidates' names for commencement program
<b>May 2nd</b>	Spring – Last day of classes
<b>May 3rd</b>	Dead day
<b>May 6-10th</b>	Spring Final Exams
<b>May 11-12th</b>	Spring Commencement
<b>May 15th</b>	Grades are Due
<b>May 16th</b>	Grades are posted to student records; students are notified of grades and academic standing
<b>Payment Deadlines</b>	For more information on payment deadlines, visit the <a href="#">Student Business Services Website</a>