



Course	OPRE 3310.001: Supply Chain and Operations Management
Instructor	Parisa Shahsavand
Term	Fall 2023
Meeting times	Friday 4:00pm-6:45pm
Meeting place	JSOM 1.110

INSTRUCTOR'S CONTACT INFORMATION

Office Location	JSOM 3.224
Email Address	Parisa.Shahsavand@utdallas.edu
Office Hours	Monday 4:00pm-5:00pm ¹ , or by appointment

GENERAL COURSE INFORMATION

Pre-Requisites	MATH 1325 or MATH 2413 or MATH 2417
Pre-Requisites or Corequisite	STAT 3360 or OPRE 3360
Other Restrictions	N/A
Course Description	This course covers concepts useful in efficiently managing the transformation of materials, labor, and capital into products or services in process operations and supply chains. Topics covered include: the role of supply chain and operations management in the firm's overall competitive strategy, key performance measures of operational performance, and tools for improving them. The level of discussion varies from long-term strategic planning to daily control of business processes.
Learning Outcomes	Students will understand the role supply chain and operations management plays in business. Upon completion of the course, students will also be able to: <ul style="list-style-type: none"><input type="checkbox"/> Articulate supply chain and operations management concepts<input type="checkbox"/> Use both analytics and qualitative tools to solve typical supply chain and operations management problems<input type="checkbox"/> Apply these concepts, analytics, and tools to create value shared by managers, workers, customers, and shareholders
Required Texts & Materials	1. Textbook: OPRE 3310: Supply Chain and Operations Management Customized Textbook for UT Dallas. https://www.mheducation.com/highered/custom/product/9781307922776.html 2. Course pack: (Harvard Business School Cases). Link: https://hbsp.harvard.edu/import/1089278

¹ All the time in the syllabus refers to the time in the North America Central Time Zone (CT).

Other Texts, Readings & Materials Other materials and lecture notes will be posted on eLearning.

COURSE POLICIES

Class Materials The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Class Attendance The University's attendance policy requirement is that individual faculty set their course attendance requirements. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes.

Class Participation Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Specifically,

- You are expected to actively participate in the class. See “Strategies for Success” below on “Participation” for more details.
- You are expected to read the required materials prior to the corresponding class lecture (see the Course Outline for details).
- You are responsible for all material discussed and all course schedule changes announced during class.

Class Recordings Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

The instructor may record meetings of this course. These recordings will be made available to all students registered for this class if the intent is to supplement the classroom experience. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law.

**Grading
(credit) Criteria**

The total score (100 points) will be made up of these parts.

- **Assignment (25%)**

Students are expected to complete assignments before the deadline posted on eLearning. The students can also form a case group (no more than 5 members) and complete case reports. Each group must stay together for all submissions. At the end of the semester a peer-review form will be used to evaluate team members' performance; each member's grade may be adjusted up or down based on feedback from other team members.

- **Assessment quiz (open-eLearning) (10%).**

The assessment quiz focuses on the topic of inventory management. The quiz is open-eLearning. Students are permitted to use Excel in the test. Any communication among students during tests is not allowed.

OPRE 3310 is considered a core course and as such certain measurement instruments are implemented to ensure a uniformity of learning across all sections. These measurements are provided to university accreditation associations during their periodic audits. The grading of the Assurance quizzes is controlled through a standard grading scheme called a Rubric.

The Rubric measures three important elements of learning: 1) understanding, 2) writing, and 3) correct answers. Therefore, students are encouraged to express their understanding of the problems in a clear and concise written format such as writing any formulas completely and correctly.

- **Test I (30%).**

This test covers the first half of the course. The test is open-eLearning. Students are permitted to use Excel in the test. The test will take place in the classroom during the regular weekly hours. Any communication among students during tests is not allowed.

- **Test II (30%).**

This test covers the second half of the course. The test is open-eLearning.. Students are permitted to use Excel in the test. The test will take place in the classroom during the regular weekly hours. Any communication among students during tests is not allowed.

- **Class participation (5%).**

Class attendance is highly encouraged. If you must miss a class because of an emergency, you will have to contact the instructor in advance for permission and provide proof. You are also expected to actively participate in class.

Letter grade

The following grading scheme for assigning letter grades is provided as a guideline. The actual grading scheme may differ based on the relative performance of students in the class.

Final grade	Letter grade
[93-100]	A
[90-93)	A-
[87-90)	B+
[83-87)	B
[80-83)	B-
[70-80)	C+
[60-70)	C
[0,60)	F

Make-Up Exams NO make-up exam will be offered except in case of medical emergency (proof required).

Extra Credit Extra credit will **NOT** be offered.

Late Work NO late assignments will be accepted.

Classroom Citizenship

- Class begins on time. Please maintain class decorum and be respectful toward fellow students in the class. If you have a doubt or misunderstanding regarding course work, feel free to discuss it with me.
- Keep your phone silent at all times and away from your desk. This includes no texting.
- Using a laptop or desktop to attend the lectures is required. All other features and their usage (such as e-mail, internet, games, and instant messenger) are **strictly prohibited** and regarded as class disruptions.

Comet Creed *This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:
“As a Comet, I pledge honesty, integrity, and service in all that I do.”*

Academic Support Resources *The information contained in the following link lists the University’s academic support resources for all students.
Please go to <http://go.utdallas.edu/academic-support-resources>.*

UT Dallas Syllabus Policies and Procedures *The information contained in the following link constitutes the University’s policies and procedures segment of the course syllabus.
Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.*

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the instructor.

STRATEGIES FOR SUCCESS

1. Class preparation:

The main topics, reading assignments, and suggested problems appear below. In each class you will be expected to:

- a) Complete required readings and skim lecture notes (prior to class) if you have time.
- b) Take additional notes on the (printed) lecture notes.
- c) Work on all the cases and actively participate in in-class discussions.
- d) Solve the Practice Problem Sets provided for each module on eLearning.
- e) Read the appropriate portions of the textbook (before and after class) if you have time.

I understand that you have limited time. However, I strongly urge you to devote adequate time to the course since this is not material you can cram over a day or two. If you are pressed for time for specific classes, prioritize your class preparation in the order given above.

2. Practice problem sets

A list of suggested questions and problems will be posted on eLearning periodically. Students are strongly advised to work on these questions and problems. This gives students an opportunity to practice their problem-solving skills on small, well-defined problems, and will be useful in tackling cases and test questions.

3. Workload expectation:

The key to competence is **PRACTICE**. You will be given the opportunity to work on many practice problems on this course.

Note that university guidelines recommend that you study 2-3 hours per week for every credit hour in which you are enrolled. University expectations suggest you spend **6-9 hours** outside of class every week on homework and studying for this course.

A rule of thumb for time requirements is that I expect students will spend approximately 3 hours preparing for and reviewing each class, with additional time spent solving the practice problems and preparing for exams. Trimming this time input will diminish the value of the educational experience for everyone. Please recognize the importance of advance preparation and begin now to level-load your course time input.

4. How to get help:

During my office hours, I will be available for additional office hours for those students who need help. This course moves rapidly. **DO NOT FALL BEHIND!** It is recommended that you see your instructor **immediately in case of any difficulties**.

5. **Assignment Preparation:**

For each case, you should do the following:

- a) Read the case. Then ask yourself, “What are the issues here?” That is, what is the controversy to be resolved and/or what are the decisions or evaluations to be made?
- b) Answer the questions developed for the case. Go back through the case and develop analysis needed to respond to the questions. Write your case report using the report templates on eLearning.
- c) After answering the questions, ask yourself, “Have I resolved the issues in the case?” In many cases, the answers are not the end in themselves, but merely the means to help give you insights into resolving the issues. You may then come to some meaningful conclusion or recommendation.
- d) Make notes that would be helpful to you if you are called upon in class to give a brief synopsis of the case, discuss the case situations, and answer the case questions.
- e) Take a careful note while discussing the case questions in class.

6. **Tests:**

Test 1 and 2 will consist of both quantitative and qualitative questions related to the readings, lectures, and discussions of the course. A practice test with solutions will be available on eLearning. The combination of reading, self-study exercises, classwork, practice, and graded individual and group assignments will fully prepare students to take the test. Both tests will be open-eLearning, subject to the academic integrity policy. Students are responsible for making sure they appear for the exams on time. No latecomers will be allowed. Students who fail to write any of the exams, without prior permission from their instructor, will not be given any make-up exams.

TENTATIVE COURSE OUTLINE

OPRE 3310.001: Fall 2023 Course Outline

No.	Date	Topic	Assignments
1	Aug 25	Introduction and Overview	
2	Sep 1	Process Analysis I	HW #1
3	Sep 8	Process Analysis II	
4	Sep 15	TQM and Lean Operations	HW #2
5	Sep 22	Inventory Management I: EOQ and Safety Stock	
6	Sep 29	Test 1 Review	
7	Oct 6	Test 1: Two and half hours (in class.) – 4:00pm - 6:30 pm - JSOM 1.110	
8	Oct 13	Inventory Management II	HW #3
9	Oct 20	Review for Assessment Quiz	Assessment Quiz: One hour
10	Oct 27	Quality Management Project Management	HW #4
11	Nov 3	Bullwhip Effect, Supply Chain Coordination, and E-Business	
12	Nov 10	Sustainability in Supply Chain	HW #5
13	Nov 17	Course Wrap-up and Test 2 Review	
14	Nov 24	No Classes (Fall Break)	
15	Dec 1	Test 2: Two and half hours (in class.) – 4:00pm - 6:30 pm - JSOM 1.110	