

OPRE 3310 Course Syllabus

Course Information

Course Prefix, Number, Section

OPRE 3310.501

Course Title

Operations Management

Term

Spring 2021

Days & Times

Tuesday 7pm-9:45pm on MS Teams

Professor Contact Information

Professor

Prof. Ashwin Venkataraman

Office Phone

972-883-5944

Email Address

Use "Course messages" tab in e-learning

Office Hours

Friday 4pm-6pm on MS Teams (or by appointment)

Other Information

TA: Akshay Nirbhavane (MS SCM student)

TA e-mail: Akshay.Nirbhavane@UTDallas.edu

TA office hours: TBD.

"NOTICE: enrollment in this course requires the use of Honorlock for online assessment proctoring. Your webcam is recording you during your test or assessment, but no one is watching your exam in real time. Honorlock uses technology to monitor your session, and, if it senses that something is wrong, it will trigger a pop in by a live proctor. The proctor will assess the situation, help you get back on track, and document this for your instructor. After your test, exam proctors may review the exam session to look for any potential violations, and the recording will also be sent to your instructor along with any notes from our proctors.

To successfully take an exam, you must have a web camera with microphone, a laptop or desktop computer (no tablets/phones), Chrome browser, a reliable internet connection and your photo ID. You will be prompted to install the Honorlock Chrome Extension (which you can remove after you finish the test). You will then access the exam within your eLearning course and go through the authentication process. Your microphone and web camera will be used by Honorlock to monitor you throughout your test or assessment. **YOUR ACTIVITIES ARE RECORDED WHILE YOU ARE LOGGED INTO OR TAKING YOUR ASSESSMENT(S). THE RECORDINGS SERVE AS A PROCTOR AND WILL BE REVIEWED AND USED IN AN EFFORT TO MAINTAIN ACADEMIC INTEGRITY.** Please see the [Testing Guidelines](#) and [Support Information](#) for additional information."

Course Modality and Expectations

Instructional Mode	Remote. See the Spring 2021 Registration Information webpage for the different instructional modes.
Course Platform	All course materials (assignments, lecture slides, etc.) will be posted on eLearning. Synchronous lectures during class timings will be delivered on MS Teams. Asynchronous lecture recordings will be posted on MS Stream.
Expectations	Students are expected to attend each lecture and actively participate in the class meetings (unless they opt for asynchronous access).
Asynchronous Learning Guidelines	Students participating via asynchronous access are responsible for viewing the lecture recordings uploaded to MS Stream in a timely fashion. In particular, the deadlines for submitting the homework assignments (see the Academic Calendar below) are the same for all students , irrespective of whether they participate synchronously or asynchronously. Discussion boards will be created on e-learning for each week's lecture where you will be able to post questions and clarifications. If you plan to choose asynchronous access, please let the instructor know by January 19, 2021 or at any point during the semester, as soon as you know you will be accessing the class asynchronously. For more information, see the Asynchronous Access for Spring 2021 FAQ webpage.

COVID-19 Guidelines and Resources

The information contained in the following link lists the University's COVID-19 resources for students and instructors of record.

Please see <http://go.utdallas.edu/syllabus-policies>.

Classroom Conduct Requirements Related to COVID-19

UT Dallas requires that all students must wear a face covering that covers the nose and mouth in all university buildings and classrooms. To help protect the health and safety of students, instructors, and the University community, students who choose not to wear a face covering may not attend class in person but may attend a course remotely. Anyone attending class in person without a face covering will be asked to put one on or leave. Instructors may end the class if anyone present refuses to appropriately wear a face covering for the duration of class. Students should also be sure they are at least six feet away from their fellow students and faculty, and seated in a seat that is designated to ensure that distance. Students who either refuse to wear face coverings appropriately or

to adhere to other social distancing protocols may face disciplinary action for [Student Code of Conduct](#) violations. Students who are unable to comply with the university policies including wearing a face covering should consult the [Comets United - Student Safety](#) webpage for further instructions.

Students who have tested positive for COVID-19 or may have been exposed should not attend class in person and should instead follow required disclosure notifications as posted on the university's website (see "[What should I do if I become sick?](#)" webpage)

Class Attendance

The University's attendance policy requirement is that individual faculty set their course attendance requirements. **Regular and punctual class attendance is expected regardless of modality.** 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. These attendance requirements will not be used as part of grading (see Class Participation below for grading information).

In-person participation records may be used to assist the University or local public health authorities in performing COVID-19 occurrence monitoring. Please note – in-person attendance requires consistently adhering to University requirements, including wearing a face covering and other public safety requirements related to COVID-19, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Class Participation

Regular class participation is expected regardless of course modality. 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](#).

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. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. 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. 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. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

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](#).

Course Pre-requisites, Co-requisites, and/or Other Restrictions

- MATH 1326 or MATH 2414 or MATH 2419
- MATH 2333 or MATH 2418 or CS 2305 or OPRE 3333.
- STAT 3360 or OPRE 3360.

Course Description

This course teaches concepts useful in efficiently managing the transformation of materials, labor, and capital into products or services. Topics covered include: the role of operations management in overall competitive strategy, key performance measures, and tools for improving operations performance. The level of discussion varies from long-term strategic planning to daily control of business processes.

Student Learning Objectives/Outcomes

Students will understand the role operations management plays in business processes. Upon completion of the course, students will also be able to:

- Quantitatively analyze and interpret operations information
- Solve typical operations management problems
- Document and report operations performance
- Recognize and address ethical issues that arise when managing operations

Required Textbooks and Materials

There are no required textbooks for the course. Lecture slides uploaded on e-learning will be sufficient to learn the material.

Suggested Course Materials

If students would like to read a textbook, the following two are recommended:

- William J. Stevenson. "Introduction to Operations Management," 13th ed.
- Cachon, G., and Terwiesch, C. "Matching Supply with Demand: An Introduction to Operations Management," 3rd ed.

Assignments & Academic Calendar

Week	Date	Topic	Deliverables
1	19-Jan	Introduction to Operations Management Process Analysis I	
2	26-Jan	Process Analysis II	HW1 Assigned
3	2-Feb	Waiting Time Analysis	HW1 Due (11:59 pm CT, 1-Feb)
4	9-Feb	Project Management	HW2 Assigned
5	16-Feb	Linear Programming	HW2 Due (11:59 pm CT, 15-Feb)
6	23-Feb	Exam 1 Review	
7	2-Mar	Exam 1 (Waiting Time Analysis, Project Management, Linear Programming)	
8	9-Mar	Forecasting Inventory Management I	HW3 Assigned
9	16-Mar	Spring Break (No Class)	
10	23-Mar	Inventory Management II	HW3 Due (11:59 pm CT, 22-Mar)
11	30-Mar	Newsvendor Game Assessment Quiz Review	
12	06-Apr	Assessment Quiz (EOQ, Safety Stock, EPQ) Supply Chain Contracts	HW4 Assigned
13	13-Apr	Beer Game, Bullwhip Effect and Supply Chain Coordination	HW4 Due (11:59 pm CT, 12-Apr)
14	20-Apr	Revenue Management	HW5 Assigned
15	27-Apr	Exam 2 Review	HW5 Due (11:59 pm CT, 26-Apr)
16	04-May	Exam 2 (Linear Programming, Forecasting, Newsvendor Model, Supply Chain Contracts and Coordination, Revenue Management)	

Grading Policy

Homework Assignments	25%
Exam 1	30%
Exam 2	35%
Assessment Quiz	10%

Letter Grade

Your final letter grade will be assigned based on your relative standing in the class, and is based solely upon the instructor's discretion and evaluation of the overall performance of the students in the class.

Course Policies

Make-up exams

No make-up exams will be offered except in case of medical emergency.

Extra Credit

There will be no opportunities for extra credit.

Late Work

Please upload your assignments on e-learning before the assigned due date. **Late work will not be accepted.**

Exams

There will be two exams, both held during regular class hours. Honorlock will be used to proctor the exams. **Asynchronous access students who are unable to take the exam during the scheduled hours should contact the instructor to schedule an alternate time for completing the exams.**

Homework Assignments

Five assignments will be posted under the "Assignments" folder on the course homepage. On homework problems requiring calculations, show how you arrived at the calculation. You may discuss homework problems with others, but you must write it up by yourself with full understanding of what you write. Identical assignments will be in violation of university regulations, will receive no credit, and may be subject to disciplinary proceedings.

Assessment Quiz

The assessment quiz covers the topic of inventory management and will be held during regular class hours.

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 quiz is prepared by an academic committee and will be taken by all OPRE 3310 sections each semester.

The grading of the assessment quiz 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.

Class Attendance

Students are expected to attend each lecture and actively participate in the class meetings (unless they opt for asynchronous access). We will be playing two games in the class, so you should definitely plan to attend those sessions if you can (For asynchronous students, instructions for playing the game offline will be provided.)

Classroom Citizenship

Students are encouraged to turn on their webcams during the class lecture. You are expected to actively participate and ask questions in the chat or by unmuting yourself. Please refrain from using your cellphone and other activities such as e-mail, web browsing, games, etc. during the lecture.

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 see <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 Professor.