

OPRE 3310.5u1 Course Syllabus

Course Information

Course Prefix, Number, Section

OPRE 3310.5u1

Course Title

Operations Management

Term

Summer 2022

Day & Time

**Thursday: 6:00 - 10:00 pm,
(JSOM 2.115)**

Instructor Contact Information

Instructor

Arun Kumar Rout

E-mail Address

Use “Course messages” tab in eLearning

Office Hours

3:00-5:00 pm Wednesday

Course Modality and Expectations

Instructional Mode	<u>Face-to-Face</u>
Course Platform	eLearning
Expectations	Students are expected, but not required, to attend each lecture and actively participate in the class meetings. University guidelines recommend that you study 2-3 hours per week for every credit hour in which you are enrolled. That is, University expectations suggest you spend 6-9 hours outside of class every week on OPRE 3310 homework and studying.

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>.

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 Recordings

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.. 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](#).

General Course Information

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.
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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

Reading materials will be posted on eLearning. The lecture notes, and other materials posted on eLearning should be sufficient for the students to learn the material. The optional textbooks are not required.

Suggested Course Materials

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

- William J. Stevenson. **Operations Management**, 13th edition (2017).
 - Cachon, G. and Terwiesch, C. **Matching Supply with Demand: An Introduction to Operations Management**, 3rd edition (2018).
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Course & Instructor Policies

Exams

There will be 2 exams (midterm and final). Exams are **NOT CUMULATIVE**. **NO MAKE-UP** exam will be offered except in case of medical emergency. Proof is required.

Homework

Six homework assignments are posted on e-learning under the “Assignments” folder in the course homepage. Please upload your assignments to e-learning by the due date mentioned in the calendar (**at the beginning of class on the day it is due**). **NO LATE HOMEWORK WILL BE ACCEPTED!** On homework problems requiring calculations, show how you arrived at the calculations. You may discuss homework problems with others, but you must write it up by yourself with full understanding of what you write. Identical assignments are in violation of university regulations, will receive no credit, and may be subject to disciplinary proceedings.

Grading Policy

Class Participation	10%
Homeworks	30%
Exam 1	30%
Exam 2	30%

Your final letter grade will be determined 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.

Assignments & Academic Calendar

Session	Date	Topic	Information
1	26-May	Introduction to Operations Management	
		Process Analysis	
2	2-Jun	Process Analysis	HW1 Due
		Waiting time Analysis	
3	9-Jun	Waiting time Analysis	HW2 Due
		Linear Programming	
4	16-Jun	Linear Programming	HW3 Due
		Exam 1 Review	
5	23-Jun	Exam 1	
6	30-Jun	Inventory Management: EOQ / EPQ	
7	7-Jul	Inventory Management: Newsvendor	HW4 Due
8	14-Jul	Inventory Management: Newsvendor	HW5 Due
		Revenue Management	
9	21-Jul	Revenue Management	HW6 Due
		Supply Chain Management	
10	28-Jul	Exam 2 Review	
11	4-Aug	Exam 2	

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 Instructor.