Remote/Online Course Syllabus
OPRE 6366 (cross-listed courses).0W1 – Fall 2022
Naveen Jindal School of Management (JSOM)
The University of Texas at Dallas

Course Information

Course Number/Section	OPRE 6366 – Section: 0W1
Course Title	Global Supply Chain Management
Term	Fall 2022

Professor Contact Information

Professor	Sonia E. Leach, Ph.D., Clinical Professor
Office Phone	972-883-5845
Email Address	sonia.leach@utdallas.edu
Office Location	JSOM 3.229
Office Hours	Office hours are available throughout the week by appointment. Office hours will be carried out using MS Teams. If you have an issue that requires personal attention not pertaining to other students in the course, please email me and I will return your message within one day to schedule an appointment time. All other contact concerning this course must be posted to the appropriate Thread on the eLearning Discussion Board. The discussion board posts are checked at least once per day.

About the Instructor

Dr. Leach began her supply chain career in 1992 as a systems acquisition/procurement officer on active duty in the United States Air Force. After overseeing the development of several software systems, she transitioned to operations analysis and conducted large-scale simulations and statistical output analysis for improved military operations in support of U.S. Congressional budget decisions. Dr. Leach then worked in supply chain compliance for supplier relations, transportation, logistics, subcontractor performance and customer service for a world-wide retail organization. Dr. Leach joined UT Dallas in 2012 upon retirement from her 20-year active duty career in the United States Air Force and now holds the position of Clinical Professor. Dr. Leach maintains relationships with several supply chain professional organizations and has actively interacted with supply chain professionals for the past ten years while directing the Industry Mentor Program for UTD MS SCM students. Her teaching expertise includes probability and statistics, operations management, global supply chain management, spreadsheet modeling and analytics, and project management. Dr. Leach has earned a BS in Mathematics from The Pennsylvania State University, a MS in Operations Research from the Air Force Institute of Technology and a Ph.D. in Industrial Engineering from Arizona State University.

TA Information

Name, contact information, and office hours are posted on eLearning.

Course Modality

Instructional Mode	Online, asynchronous lectures
Course Platform	eLearning

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.

Course Pre-requisites, Co-requisites, and/or Other Restrictions
OPRE 6302 and exposure to probability, or consent of the instructor.
Knowledge of equation solving, derivatives and integrals of polynomials, expectation, variance, covariance, probability distributions. Familiarity with linear and integer programming formulations.

Course Description
This course explores the key issues associated with the design and management of industrial Supply Chains (SC). SC are concerned with the efficient integration of suppliers, factories, warehouses and stores so that products are distributed to customers in the right quantity and at the right time. One of the primary objectives of SC management is to minimize the total supply chain cost subject to various service requirements. Students will be able to describe and explain fundamentals of SC and to derive and compute optimal policies/variables, performance measures such as costs/profits, and be aware of SC practices.

Student Learning Objectives/Outcomes
Active and informed participation is expected from every student. Class sessions will consist primarily of lecture, with some discussions and in-class exercises as appropriate to the topic being covered. Textbook readings are a major source of learning in this course. Therefore, students are expected to read the appropriate textbook chapters in preparation for exams. Students should expect to spend an average of 9 to 12 hours per week on class preparation and studying activities outside of class meetings. Learning outcomes – upon completion of this course, students will be able to accomplish the following:
1. Explain the strategic framework used to analyze a supply chain.
2. Identify the key decision-making components for designing a supply chain network.
3. Plan, coordinate and manage the supply, demand and inventory in a supply chain.

Required Textbooks and Materials
Required Text
Supply Chain Management: Strategy, Planning and Operation (7th Edition) by Chopra. ISBN: 9780134731889.
Textbooks and some other bookstore materials can be ordered online or purchased at the UT Dallas Bookstore.

Technical Requirements
Please review the important technical requirements on the Getting Started with eLearning webpage.
You are expected to possess a confident level of computer and Internet literacy for this course. **A computer and Microsoft Excel with the Solver Add-In are required.** To activate the Solver Add-In:
- On a Window-based computer, open MS Excel, click on File, click on Options, click on Add-ins, then at the bottom of the window you will see a drop-down menu that is set on Excel Add-ins. Click on Go, put a checkmark in the box next to Solver, and click on OK. The Solver command will now be visible in the Data ribbon under the Analysis group on the far right of the toolbar.
- On an Apple/Macintosh computer, open MS Excel, click on Tools in the top menu, then click on Excel Add-Ins.... Put a checkmark in the box next to Solver and click on OK.

The Solver command will now be visible in the Data ribbon on the far right of the toolbar.

Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the [eLearning](#) website. Please see the course access and navigation section of the [Getting Started with eLearning](#) webpage for more information. To become familiar with the eLearning tool, please see the [Student eLearning Tutorials](#) webpage.

UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The [eLearning Support Center](#) includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

Communication

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the [Student eLearning Tutorials](#) webpage for video demonstrations on eLearning tools.

The only means for discussion with the instructor and your classmates is through the Discussion Board on eLearning. You are expected to review the Discussion Board several times per week to provide responses to your classmates and to stay up-to-date on topics of discussion. If you are having difficulty with a course topic or specific recommended practice problem, please check the Discuss Board first to see if your question has already been addressed. The instructor and course TA will also be reviewing all Discussion Board posts and will provide responses when/if a student does not provide a correct response.

Questions about specific course topics or recommended practice problems should be posted on the Discussion Board in the appropriate Module thread. Questions about general administration of the course should be posted to the thread titled "Course administration questions for Dr. Leach."

While emails sent directly to the instructor or course TA will be answered, you are encouraged to post your questions to the Discussion Board so that your question and its answer will benefit all students taking the class. Please send questions personal to you or regarding an exam by email to the instructor or course TA, and do not post these on the Discussion Board.

Student emails and discussion board messages will be answered within 2 working days at the latest under normal circumstances.

Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the [eLearning Current Students](#) webpage for more information.

Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online [eLearning Help Desk](#). The instructor and the eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

eLearning Course Resources

Most everything you need for the course has been posted to eLearning, such as:

- Lecture videos and Powerpoint slides (in .pptx and .pdf format)
- List of recommended practice problems for each lesson
- Solutions for all textbook discussion questions, case study questions and problems
- Formula sheet for the module 3 exam
- Supplemental readings and videos for each lesson
- Sample exam questions and solutions

Course Calendar

The assigned readings and recommended practice problems for each lecture topic are posted in eLearning.

WEEK: DATES	LECTURE TOPIC/ASSESSMENT
1: 8/22 – 8/28	Module 1 – Introduction
2: 8/29 – 9/4	Module 1 – Strategy
3: 9/5 – 9/11	Module 1 – SC Drivers Module 1 – Case Study: 7-Eleven Japan (pgs. 61-67)
4: 9/12 – 9/18	Module 1 – SC Network Design **Assignment #1 Due – Sunday, 9/18 Midnight**
5: 9/19 – 9/25	**Module 1 Exam – 2 Hours** **Friday, 9/23 9AM - Sunday, 9/25 Midnight**
6: 9/26 – 10/2	Module 2 – Facility Location Models
7: 10/3 – 10/9	Module 2 – Evaluating Uncertainty Using Decision Trees
8: 10/10 – 10/16	Module 2 – Aggregate Planning in a SC
9: 10/17 – 10/23	Module 2 – Sales and Operations Planning **Assignment #2 Due – Tuesday, 10/18 Midnight**
10: 10/24 – 10/30	**Module 2 Exam – 2 Hours** **Friday, 10/28 9AM - Sunday, 10/30 Midnight**
11: 10/31 – 11/6	Module 3 – Coordination in a SC
12: 11/7 – 11/13	Module 3 – Aggregation and Discounting
13: 11/14 – 11/20	Module 3 – Safety Inventory
14: 11/21 – 11/27	**FALL BREAK**
15: 11/28 – 12/4	Module 3 – Newsvendor Model and Postponement **Assignment #3 Due – Tuesday, 11/29 Midnight** **Group Project Due – Sunday, 12/4 Midnight**
16: 12/5 – 12/11	**Module 3 Exam – 2 Hours** **Friday, 12/9 9AM - Sunday, 12/11 Midnight**

Grading Policy
Grading Criteria

Assessment Activity	Points
Assignments (5% each)	15%
Module 1 Exam	25%
Module 2 Exam	25%
Module 3 Exam	25%
Group Project	10%
TOTAL	**100%**

Letter Grades

Weighted Average	Course Letter Grade
≥ 93	A
90 – 92.9	A-
87 – 89.9	B+
83 – 86.9	B
80 – 82.9	B-
77 – 79.9	C+
70 – 76.9	C
< 70	F

A C grade is the lowest passing grade in a graduate-level course. Undergraduates taking this graduate course will be subject to the same grading policy as graduate students.

Accessing Grades
Students can check their grades by clicking My Grades under Course Tools after the grade for each assessment is released.

Course Policies
Exams
Exams are online in eLearning. Exams are remote proctored and closed-book/closed-notes in format. All exams must be taken during the scheduled Exam Windows given in the Course Calendar above. The exams will require you to demonstrate your understanding of the concepts presented in the associated learning Module. You will have 2 hours for each exam. You are authorized to use MS Excel, any calculator (but not a smartphone) and scratch paper on all exams. A formula sheet relevant to the material being tested will be provided to you for the Module 3 exam.

You can access the exam only once during the exam time window. Once you access your exam, you will have 2 hours to complete it. **The exam must be completed by the end of the exam time window,** so make sure you begin your exam early enough to ensure you complete your exam by the end of the exam time window.

Please note that all times are based on the U.S. Central Time Zone – be sure to adjust your timing if you reside in or will be visiting another time zone on the day of an exam.

Testable materials include: lecture, assigned chapter readings, supplemental readings in eLearning, and posted videos in eLearning.

Composition of the exams is as follows:

- The first Exam (Module 1) will be a combination of 30-35 multiple-choice/true-false questions and 4 short answer questions.
- The second Exam (Module 2) will be a combination of 30-35 multiple-choice/true-false questions and/or 4 calculation problems. It will be assumed that the student has cumulative knowledge from Module 1 material.
- The third Exam (Module 3) will be a combination of 30-35 multiple-choice/true-false and 8 calculation problems. It will be assumed that the student has cumulative knowledge from Module 1 and Module 2 material.

To access your exam, go to the eLearning course homepage and click on the folder titled "Exams." Next, click on the link for the appropriate exam. The link for an exam will only be visible during the designated exam window posted on the Course Calendar above in this syllabus. The link for each exam will remain visible even once you have completed your exam, but eLearning will only allow you to enter and take the exam once for each exam. If the exam link is not available, you are trying to access it outside the designated exam window. Please refer to the Help menu for more information on completing exams using eLearning.

This course will use Honorlock *– an online exam proctoring tool. 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. The web camera will monitor you throughout your test. Please see the* Testing Guidelines *and* Support Information *for additional information.*

Your grade for each exam will be available in My Grades in eLearning after all students have completed the exam and the exams have been reviewed and released by your instructor. Prior to this happening, you may not see your exam listed in My Grades in eLearning – this is normal even if you have completed and submitted your exam. You will receive an emailed course announcement once the instructor has released the exams grades. Once released, your grade will be visible in My Grades in eLearning. To view your exam, click on My Grades, click on the name of the exam, then click on your score. Please note the points awarded for each question, and not just the correct/incorrect marking, as your grade may have been overridden by the instructor during the review. Questions regarding a graded exam must be submitted by email. A response to your inquiry will be emailed and may include comments typed within the Feedback section of your exam question.

Group Project

There will be one group project in this course worth 10% of your course grade. Your groups will be randomly assigned and will not be changed based on student preference. The groups will be tentatively set at the beginning of the course, but will not be finalized until after Census Day, which is approximately three weeks into the semester. The details of the group project are available in eLearning. The due date of the group project/paper is listed in eLearning and in the Course Calendar above.

Reschedule Exams

A reschedule exam will be provided to any student who has a conflict with a scheduled exam. Please contact the instructor via email as soon as you are able prior to the scheduled exam data to arrange for a rescheduled exam.

Make-up Exams

Multiple opportunities to take the same exam in an attempt to earn a better grade are not allowed. Only one attempt is allowed per exam. Make-up examinations will **NOT** be offered for this course.

Additional Information

Extra credit will **NOT** be offered for this course.

Late work will **NOT** be accepted.

Classroom Citizenship

The same guidelines that apply to traditional classes should be observed in the virtual classroom environment. Please use proper etiquette when interacting with class members and the professor.

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."

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 UT Dallas Syllabus Policies webpage for these policies.

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