



Course Syllabus

Course:	OPRE 3360
Section:	007
Course title:	Managerial Methods in Decision Making Under Uncertainty
Term:	FALL 2023
Days & Time:	Tuesday – 4:00PM - 6:45PM
Room:	JSOM 2.115

Contact information

Professor:	Sarmann I Kennedy , PhD, MBA, PMP, CSM
Office:	JSOM 3.621
Office hours:	Tuesday & Wednesday (11 – 1 pm)
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TA:	Kurvinkop, Amit Arvind (AmitArvind.Kurvinkop@UTDallas.edu)

Course Pre-requisites:

Math 2413 or Math 2417

The topics discussed in this course are inherently mathematical. Although the level of math in this course is not advanced, students are encouraged to explore supplementary resources early on the semester.

Course Description

This course introduces the concept of probability and statistics for managerial decision making. Concepts will be developed in lecture and exercises using software packages and topics including summarizing and presenting data, probability theory, sampling, estimation, confidence intervals, hypothesis testing, regression, and ANOVA. Emphasis will be given to modeling and solving business problems in Finance, Marketing, Accounting, Operations Management, and other business areas.

Learning Outcomes

As any statistics course, this class requires work outside the classroom. Active and informed participation is expected from every student. Keeping with the timeframe defined by the professor is critical for the success in your course.

Because the readings are a major source of learning, students are expected to study this material as it is assigned. Though it shall vary from week to week, plan to spend an estimated 6 to 9 hours per week on this class.

At the end of this course, you should:

- Be acquainted with the concept of sample and population.
- Be able to calculate and interpret statistics in context.
- Be able to use statistics to describe samples and test. hypothesis to make inferences about populations.
- Be able to present data using Excel as an analytic tool.



Recommended Texts & Materials:

[Anderson/Sweeney/Williams/Camm/Cochran's Modern Business Statistics with Microsoft® Office Excel 6th edition ISBN-13: 978-1337115186](#)

The book is not required but recommended.

Using Excel is required for all Exams and homeworks, so practice accordingly.

Suggested Texts, Readings, & Materials

Textbooks and some other bookstore materials can be ordered online or purchased at the [UT Dallas Bookstore](#).

If you do the assigned work as scheduled, the textbook and online materials should suffice!

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. Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student accessibility, 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.

Essential Information

Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the [Getting Started with eLearning](#) webpage.



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Office of Student Accessibility

It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the Office of Student Access Ability (OSA) is required. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow one-week advance notice. Students who have questions about receiving accommodations, or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact the Office of Student Access Ability for a confidential discussion. OSA is located in the Administration Building, suite 2.224. They can be reached by phone at 972- 883-2098, or by email at studentaccess@utdallas.edu.



Tentative schedule

The following is a **tentative schedule**, which will be followed as closely as possible. However, should any changes become necessary, it will be announced.

Date	Week	Lecture & Exam Date	Assignment
8/22/2023	Week 1	Chapter 1: Data & Statistics – Syllabus overview (recorded)	Homework Chapter: 1
8/29/2023	Week 2	Chapter 2: Descriptive Statistics: Tabular & Graphical Displays	Homework Chapter: 2
9/5/2023	Week 3	Chapter 3: Descriptive Statistics: Numerical Measures	Homework Chapter: 3
9/12/2023	Week 4	Chapter 4: Introduction to Probability	Homework Chapter: 4
9/19/2023	Week 5	Exam 1 – No class session	Chapter 1,2,3,4
9/26/2023	Week 6	Chapter 5: Discrete Probability Distribution	Homework Chapter: 5
10/3/2023	Week 7	Chapter 6: Continuous Probability Distribution	Homework Chapter: 6
10/10/2023	Week 8	Chapter 7: Sampling & Sampling Distribution	Homework Chapter: 7
10/17/2023	Week 9	Chapter 8: Interval Estimation	Homework Chapter: 8
10/24/2023	Week 10	Exam 2 – No class session	Chapter 5,6,7,8
10/31/2023	Week 11	Chapter 9: Hypothesis Tests	Homework Chapter: 9
11/7/2023	Week 12	Chapter 14: Simple Linear Regression	Homework Chapter: 14
11/14/2023	Week 13	Chapter 15: Multiple Linear Regression (selected sections)	Homework Chapter: 15
11/21/2023	Week 14	Thanksgiving Holiday	No Classes
11/28/2023	Week 15	Review	
12/5/2023	Week 16	Exam 3 - Final Exam	Chapter 9,14 & 15

All Exams will be in Testing Center

LinkedIn Excel Statistics Certificate due on September 12th

Grade breakdown & weights

Evaluation Measure	Weight
Exam 1 - Testing Center	25%
Exam 2 - Testing Center	25%
Exam 3 - Testing Center	25%
Homework - Weekly on eLearning	20%
LinkedIn Certificate (submit the certificate on eLearning)	5%
Total	100%



LinkedIn Certificate (Individual Assignment)

- Log in to your University of Texas Dallas LinkedIn Learning (LL) account (<https://library.utdallas.edu/utdlynda/>)
- Complete the course in LinkedIn Learning by searching for – **Excel Essential Training (Microsoft 365) – Dennis Taylor**.
- **Note:** Completing the course means watching all the videos, completing course quizzes, and receiving a course completion certificate.
- **Most importantly, submit the completed exercise files according to the video training instructions, including all the formatting, style, content, and expected outcome as shown by the instructor – nothing more nothing less.**
- Submit your course completion certificate (PDF) and all associated files to the LinkedIn assignment folder in eLearning.

Grade percentage & letter assignment

Letter	Percent
A+	97-100
A	94-96.9
A-	90-93.9
B+	87-89.9
B	84-86.9
B-	80-83.9
C+	77-79.9
C	74-76.9
C-	70-73.9
D+	67-69.9
D	64-66.9
D-	60-63.9
F	Below 60

Student Guidelines for the Testing Center:

Please read and follow all the instructions for the Testing Center at the link below:

<https://ets.utdallas.edu/testing-center/students/>

LATE SUBMISSION IS NOT ACCEPTABLE.

- All homework and assignments should be **submitted on their due dates**.
- There will be **no make-ups for homework, assignments nor exams**.

Classroom Citizenship

Please maintain class decorum and be respectful towards fellow students in the class. If you have a doubt or misunderstanding regarding course work, feel free to discuss it with the instructor. When engaging in communication with your peers or professor, be respectful of their opinions. Be respectful and mindful of other students’ opinions and knowledge.



Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students.

Please go to [Academic Support Resources](#) webpage for these policies

Course Policy

General

- Announcements or changes will be through the eLearning and/or UT Dallas email and it is your responsibility to log into eLearning (Blackboard) periodically (i.e., daily) and review the provided materials. Instructor makes every effort to inform you of any changes.
- Read the syllabus thoroughly and get familiar with the course policy, assignments, due dates and expectations.
- The office hours are to be used to discuss specific concerns and should **not be viewed as an opportunity for additional instruction or tutoring**. Your primary source of instruction is the eLearning materials, the research you conduct online to compliment your learnings and books you review from UT Dallas digital library.
- Without exception, you **MUST** communicate with the instructor via your UTD email account (FERPA purposes). Do not use a personal email account (e.g., Gmail, yahoo, QQ, etc.), it will not be answered.
- When sending an email to instructor, make sure to include the course number, section, and time.
- Any student who is found responsible for committing an act of academic dishonesty will receive a grade of "F" or "o" (zero) on that quiz, exam, assignment, project, or course.
- The instructor reserves the right to:
 - *Change the grading policy without any notice due to unforeseen circumstances such as dishonesty, cheating, etc.*

1. Assignments

- Please review homework assignment section carefully.
- Assignments must be submitted via eLearning (email submission receives a grade of zero). The instructor will notify you of other methods of delivery if it becomes necessary due to unforeseen circumstances.
- Late work will NOT be accepted and receives a grade of zero.
- It is your responsibility to ensure you have internet access in order to submit assignments by the scheduled due dates. Late submissions are not accepted based on you not having internet accessibility.
- It is your responsibility to ensure submitted documents have been uploaded properly and are available to the instructor.
- If you have difficulty to upload your document to eLearning, then try changing the browser, clearing cookies and cache and turning off pop-up blockers. If still unable to upload your document, then contact JSOM helpdesk support at 972-883-5800. Lastly, you may want to ask one of your group members to upload the document on-time.
- Do not submit documents a few minutes before the deadline, instead, allow yourself enough time in case there is an issue with your system, internet, or document.



2. Exams, Quizzes, Make-up, Extra Credit and Academic Dishonesty

- There are three exams in this course.
- The duration of all exams are 120 minutes.
- All exams are open notes (**no textbooks are allowed during the testing session**).
- Pay close attention to all the due dates and exam dates, so plan/schedule your personal activities around those dates. Never purchase a plane ticket (no matter how cheap it is) before the posted final “Exam Week” (review UTD calendar for specific dates).
- You will receive a grade of zero or “F” for any missed assignment, exam or quiz, no exceptions.
- There will be NO make-up for any missed assignment, quiz, exam nor any project for an extra credit. Emailing the instructor after an exam or a quiz and requesting extra credit for what actually earned will not be answered.
- Exam make up may be accepted only for medical emergencies (written statement justifying the situation from a physician required). Scheduling a surgery/operation on an exam date is not considered a medical emergency. The written statement should include the physician’s (not a physician assistant) address and phone number for the verification purpose

UT Dallas Syllabus Policies and Procedures

Academic Support Resources

The information contained in the [Academic Support Resources](#) lists the University’s academic support resources for all students. 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.