



Course EPPS 6313 Quantitative Methods

Term Spring 2025

Tuesdays

Meetings 7:00 pm to 9:45 pm

GR 3.402 A & B

Professor William Grover, Ph.D.

Office Location GR 3.201

Email Address wcg071000@utdallas.edu (Note: eLearning email is not utilized.)

Office Hours Monday, Tuesday, Wednesday, and Thursday: 11:00 p.m. to 12:00 p.m.

Pre-requisites This course has no official prerequisites.

Essentially, Quantitative Methods is reasoning with statistical tools. Reasoning helps to improve understanding and decision-making. And statistical tools are the applications that reasoning will be applied to.

Learning Outcomes

- Construct Descriptive Statistics
- Conduct Hypothesis Tests
- Apply Regression Analysis
- Demonstrate capacity in STATA

Required Textbooks REQUIRED: "Basic Business Statistics (13th Ed.)", by M. Berenson, D. Levine, & K. Szabat, ISBN: 978-0321870025

REQUIRED: "Naked Statistics: Stripping the Dread from the Data", by Charles Wheelan, ISBN: 978-0393347777

Course Policies

Grading Criteria	25% Exam I	25% Exam II	25% Homework Average (drop lowest HW grade)		25% Quiz Average (drop lowest Quiz grade)
Grading Scale	98 ≤ A+ 92 ≤ A < 98 90 ≤ A- < 92	88 ≤ B+ < 90 82 ≤ B < 88 80 ≤ B- < 82	78 ≤ C+ < 80 72 ≤ C < 78 70 ≤ C- < 72	68 ≤ D+ < 70 62 ≤ D < 68 60 ≤ D- < 62	F < 60
Graduate Grading Scale	92 ≤ A 90 ≤ A- < 92	88 ≤ B+ < 90 82 ≤ B < 88 80 ≤ B- < 82	78 ≤ C+ < 80 72 ≤ C < 78	F < 72	

What is Quiz Policy	Quizzes are the work of the individual student. No communication with another person. Quizzes are closed book and closed notes; no electronic media. (No make-up quizzes will be offered.) Why this policy? The goal of a quiz is to promote learning by allowing the professor to observe and guide individual student progress.
What is Exam Policy?	Exams are the work of the individual student. Exams are closed book and closed notes; no electronic media. (No make-up exams will be offered.) Why this policy? The goal of an exam is for the individual student to demonstrate proficiency in the subject matter.
What is Homework Policy?	Homework is the work of the individual student. Type all homework assignments. Late assignments will not be accepted. Why this policy? The goal of homework is to promote learning by allowing the Professor to observe and guide individual student progress.
Extra Credit	There is no extra credit planned for this course.
Make-up Exams	No Make-up Exams are planned for this course.
Calculator Policy	For quizzes and exams a simple calculator is allowed. No graphing calculators are to be used in class. If questions about a calculator, please speak with the professor. Why this policy? Some problems may require you to demonstrate proficiency with math operations. A simple calculator will aid you in this task.

Class Policies

Attendance	“Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. Absences may lower a student's grade where class attendance and class participation are deemed essential by the instructor. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes.” Source: UTD Dallas Syllabus Policies and Procedures (https://coursebook.utdallas.edu/syllabus-policies)
Class Participation	Students will participate in discussions with Professor and fellow students. Civil discourse is expected of all students. Why this policy? Student learning is enhanced by engaging with the Professor and others about the learning materials. All discussions will be moderated by the Professor. Source: UTD Student Code of Conduct (https://policy.utdallas.edu/utdsp5003)
Laptops, cell phones, and other electronic communication devices.	Personal laptops, computers, cell phones, and other similar electronic devices are NOT allowed in class. If uncertain whether an electronic device is allowed, please speak to professor. Why this policy? Laptops, cell phones, etc. can be a distraction for both the student using the device <u>and</u> other students nearby. It is essential for student achievement that a safe classroom learning environment be available at every class. Exceptions to this policy may be made per AccessAbility Services (http://www.utdallas.edu/studentaccess)
Why is Academic Integrity so important?	“Every student at UT Dallas is expected to exercise independent thought and expression as he or she strives for academic achievement. Incorporated in the quest for intellectual growth are the expectations of honesty, originality in written and oral expression, a respect for the exchange of ideas, and acknowledgement and recognition of the abilities and contributions of others”. Source: (https://www.utdallas.edu/conduct/integrity)
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 .

Academic Calendar

Week	Tuesday	Topic	Reading (Berenson)	Reading (Wheelan)	Assessment
1	1/20/2026	Syllabus, Introduction			
2	1/27/2026	Organizing Data	Ch. 1: Sec. 1 - 3 & Ch. 2: Sec. 1 - 4	Ch. 1	
3	2/3/2026	Descriptive Statistics	Ch. 3: Sec. 1 - 5	Ch. 2	HW, Quiz
4	2/10/2026	Probability	Ch. 4: Sec. 1 - 2	Ch. 5	HW, Quiz
5	2/17/2026	Distributions	Ch. 5: Sec. 1 - 2	Ch. 3	HW, Quiz
6	2/24/2026	Normal Distributions	Ch. 6: Sec. 1 - 3	Ch. 8	HW, Quiz
7	3/3/2026	Sampling Distributions	Ch. 7: Sec. 1 - 2		HW, Quiz
8	3/10/2026				Exam I
9	3/17/2026		No class		
10	3/24/2026	C.I. Estimates	Ch. 8: Sec. 1 - 2	Ch. 4	HW, Quiz
11	3/31/2026	Hypothesis testing	Ch. 9: Sec. 1 - 2	Ch. 6	HW, Quiz
12	4/7/2026	Two Sample Testing	Ch. 10: Sec. 1 - 2	Ch. 7	HW, Quiz
13	4/14/2026	ANOVA	Ch. 11: Sec. 1	Ch. 9	HW, Quiz
14	4/21/2026	Regression	Ch. 13: Sec. 1 - 2	Ch. 11	HW, Quiz
15	4/28/2026	Review			HW
16	5/5/2026				Exam II

These descriptions and timelines are subject to change at the discretion of the Professor.