



Course EPPS 6313
Course Title Quantitative Methods
Professor William Grover, Ph.D.
Term Spring 2021
 Wednesday
Meetings 7:00 pm – 9:45 pm,
 SCI 1.210

Professor's Contact Information

Office Location	GR 3.201
Email Address	wcg071000@utdallas.edu (Note: WebCT email is <u>not</u> utilized.)
Office Hours	Monday – Thursday: 2:30 to 3:30 pm call office phone: 972.883.6903

Course Modality and Expectations

Instructional Mode	Traditional
Course Platform	The course will be taught face-to-face. Instructor and students meet according to the schedule. Instructor will use MS Teams so students not in class can attend using MS Teams. Students not attending in person nor on-line need to watch all class session recordings.
Expectations	Please review all emails from professor. Attend all class sessions or review all class session recordings. Follow all readings. Complete all quizzes.
Asynchronous Learning Guidelines	Please review all emails from professor. Attend all class sessions or review all class session recordings. Follow all readings. Complete all quizzes. (https://covid.utdallas.edu/response/faq/#asynchronous)

General Course Information

Pre-requisites	This course has no official prerequisites.
Course Description	Essentially, Quantitative Methods is reasoning with statistical tools. Reasoning helps to improve understanding and decision-making. Statistical tools are the applications that reasoning will be applied to.
Learning Outcomes	To demonstrate individual reasoning by applying a knowledge of: <ul style="list-style-type: none"> • Construct Descriptive Statistics • Conduct Hypothesis Tests • Demonstrate capacity in STATA
Required Texts & Materials	“Basic Business Statistics (13th Ed.)”, by M. Berenson, D. Levine, & K. Szabat, ISBN: 978-0321870025 “Naked Statistics: Stripping the Dread from the Data”, by Charles Wheelan, ISBN: 978-0393347777

COVID-19 Guidelines and Resources

The information contained in the 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 \(https://policy.utdallas.edu/utdsp5003\)](https://policy.utdallas.edu/utdsp5003) violations. Students who are unable to comply with the university policies including wearing a face covering should consult the [Comets United \(https://www.utdallas.edu/fall-2020/\)](https://www.utdallas.edu/fall-2020/) 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?](https://www.utdallas.edu/coronavirus/faq/#students)" webpage (<https://www.utdallas.edu/coronavirus/faq/#students>))

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 \(https://policy.utdallas.edu/utdsp5003\)](https://policy.utdallas.edu/utdsp5003).

Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. 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 \(https://policy.utdallas.edu/utdsp5003\)](https://policy.utdallas.edu/utdsp5003).

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 \(https://policy.utdallas.edu/utdsp5003\)](https://policy.utdallas.edu/utdsp5003).

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](https://policy.utdallas.edu/utdsp5003) (<https://policy.utdallas.edu/utdsp5003>).

Course Policies

Grading Criteria	100% Quiz Average (approximately 15 quizzes)				
Undergraduate 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	
Quiz Policy	<p>Quizzes are the work of the individual student. All quizzes will be conducted online through eLearning. The quizzes will be open book and open notes; however, they are the work of an individual student. This is an issue of Academic Integrity. See “Why is Academic Integrity so important?” shown below.</p> <p>Quizzes will be assigned at 5pm on a Friday. Quizzes will be closed at 5pm one week later. You may resubmit your quiz answers until the Quiz is closed. Note that only the last quiz submission will be graded.</p> <p>No late Quizzes will be accepted. No make-up quizzes will be offered. No extra credit will be assigned.</p> <p>Why this policy? The goal of a quiz is for the individual student to demonstrate proficiency in the subject matter.</p>				
Why is Academic Integrity so important?	<p>“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”.</p> <p style="text-align: right;">Source: (https://www.utdallas.edu/conduct/integrity)</p>				
Academic Support Resources	<p>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.</p>				

Assignments & Academic Calendar

Week	Monday	Topic	Reading (Berenson)	Reading (Wheelan)	Friday	Assign	Due
1	1/18/2021	Introduction			1/22/2021	Quiz 1	-
2	1/25/2021	Collect Data	Ch. 1: 1.1 – 1.4		1/29/2021	Quiz 2	Quiz 1
3	2/1/2021	Organizing Data	Ch. 2: 2.1 – 2.4	Ch. 1	2/5/2021	Quiz 3	Quiz 2
4	2/8/2021	Descriptive Statistics	Ch. 3: 3.1 – 3.5	Ch. 2	2/12/2021	Quiz 4	Quiz 3
5	2/15/2021	Probability	Ch. 4: 4.1 – 4.2	Ch. 5	2/19/2021	Quiz 5	Quiz 4
6	2/22/2021	Distributions	Ch. 5: 5.1 – 5.2	Ch. 3	2/26/2021	Quiz 6	Quiz 5
7	3/1/2021	Normal Distributions	Ch. 6: 6.1 – 6.3	Ch. 8	3/5/2021	Quiz 7	Quiz 6
8	3/8/2021	Sampling Distributions	Ch. 7: 7.1 – 7.2	Ch. 4	3/12/2021	Quiz 8	Quiz 7
9	3/15/2021	No Class - Spring Break			3/19/2021	Quiz 9	Quiz 8
10	3/22/2021	C. I. Estimates	Ch. 8: 8.1 – 8.2	Ch. 6	3/26/2021	Quiz 10	Quiz 9
11	3/29/2021	Hypothesis Testing	Ch. 9: 9.1 – 9.2	Ch. 7	4/2/2021	Quiz 11	Quiz 10
12	4/5/2021	Two-Sample Testing	Ch. 10: 10.1 – 10.2	Ch. 9	4/9/2021	Quiz 12	Quiz 11
13	4/12/2021	ANOVA	Ch. 11: 11.1 - 11.2		4/16/2021	Quiz 13	Quiz 12
14	4/19/2021	chi ² Testing	Ch. 12: 12.1 - 12.2		4/23/2021	Quiz 14	Quiz 13
15	4/26/2021	Regression	Ch. 13: 13.1 – 13.2	Ch. 11	4/30/2021	Quiz 15	Quiz 14
16	5/3/2021	Multiple Regression	Ch. 14: 14.1 – 14.4		5/7/2021	-	Quiz 15

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