

Course Syllabus
Statistics
MATH 1342.005
Spring 2023

Instructor: Joseph Webster

Office: TJC (Math Lab P-204)

Phone: (903) 510-2605

Email: josephwebster@uttyler.edu (this is the best way to contact me)

Office Hours: Tues/Thurs 1:00-3:00p at the TJC Math Lab (P-204) or otherwise via Zoom appointment.

Class Meetings: Tues/Thurs 5:00-6:20pm, RBN 4025

Note: I am full-time at TJC, so that is the easiest place to find me Monday-Thursday as indicated by the above office hours. Otherwise, I can arrange Zoom meetings by appointment. I may also be around UTT campus on Fridays but will announce if I am and where I'll be.

Text: Statistics, Unlocking the Power of Data (3rd Edition) by Lock, Lock, Lock, Lock and Lock

Software: <https://www.lock5stat.com/StatKey/>

Required course materials: TI-83 or TI-84 Calculator and something to take notes with.

Course Overview

This course is a study of measures of central tendency and dispersion, sampling, hypotheses tests and confidence intervals. It corresponds to the material from Chapter 1 through Chapter 6.

Student Learning Outcomes

By the end of this course, the successful Statistics student should be able to do the following:

- Explain the use of data collection and statistics as tools to reach reasonable conclusions.
- Recognize, examine and interpret the basic principles of describing and presenting data.
- Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
- Describe and compute confidence intervals.
- Solve linear regression and correlation problems.
- Perform hypothesis testing using statistical methods.

Grading Breakdown

Homework	25%
Quizzes	25%

Exams	30% (10% each)
Final Exam	20%

Grading Scale

A	89.5% or greater
B	79.5 – 89.4%
C	69.5 – 79.4%
D	59.5 – 69.4%
F	59.4% or less

Late Work and Make-Up Exams

Late/make-up homework, exams, and quizzes are allowable only with an excused absence as outlined by university policy ([Class Attendance Policy](#)).

Classroom Etiquette

Please refrain from using phones/tablets/laptops while in class. You may use a tablet to take notes. If you need to use your phone, please step outside. Also, please be on time, don't leave early, and show up each class day.

Graded Course Requirements Information

Homework: All of our homework will be from the textbook. To be turned in on **Tuesdays** at the start of class, typed/printed, or hand-written. If it is hand-written, please write it as neatly as you can. I will typically **not** accept emailed versions of your homework.

Quizzes: Every **Thursday** in which we do not have an exam, there will be a short quiz at the start of class. The questions will be based on the homework for that week.

Exams: There will be three exams throughout the semester (held on **Thursdays**), each worth 10%. They will be conducted in-class. No online exams are allowed.

- Exam 1: Chapter 1 and Chapter 2
- Exam 2: Chapter 3, Chapter 4, and Chapter 5
- Exam 3: Chapter 6

Final Exam: The final exam will be comprehensive. More information will be provided closer to the end of the semester.

Tentative Course Schedule		
Date	Topic	Due
1/10	Introduction and Syllabus 1.1	
1/12	1.2 1.3	

1/17	2.1 2.2	
1/19	2.3 2.4	
1/24	2.5 2.6	HW 1
1/26	2.7 If time, review for Exam 1	Quiz 1
1/31	Review for Exam 1	
2/2	Exam 1	
2/7	3.1 3.2	HW 2
2/9	3.3 3.4	Quiz 2
2/14	4.1 4.2	HW 3
2/16	4.3 4.4	Quiz 3
2/21	4.5 5.1	HW 4
2/23	5.2 If time, review for Exam 2	Quiz 4
2/28	Review for Exam 2	
3/2	Exam 2	
3/7	6.1	HW 5
3/9	6.1	Quiz 5
3/14	Spring Break	
3/16	Spring Break	
3/21	6.2	HW 6
3/23	6.2 FYI: Last day to drop the course	Quiz 6
3/28	6.3	HW 7
3/30	6.3	Quiz 7
4/4	6.4	HW 8
4/6	6.4	Quiz 8
4/11	6.5	HW 9
4/13	6.5	Quiz 9
4/18	Review for Exam 3	
4/20	Exam 3	
TBD	Final Exam (5:00pm)	