

Statistics, Mathematics 1342, Section 010 Spring 2025

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Course Schedule: Section 010 meets Tuesday and Thursday in RBN 3038 from 9:30 - 10:50 AM.

Course Website: You **MUST** activate your Canvas account at <https://uttyler.edu/canvas>. All important documents will be posted on Canvas.

Office Hours

TBA

Required Text

Statistics: Unlocking the Power of Data, 3rd edition, by Lock, Lock, Lock Morgan, Lock, & Lock, ISBN #978-1119682165. Alternatively, you may use the 2nd edition of the same text.

Course Description

Measures of central tendency and dispersion, sampling, probability, testing of hypothesis, correlation and regression, and analysis of variance.

Course Prerequisites

Appropriate score on SAT, ACT, or TSI.

Course Outline

Chapters 1-6 of the text and other chapters, in part or in full, as time permits.

Student Learning Outcomes

Upon completion of this course, students should be able to:

- 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.
- Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
- Explain the role of probability in statistics.
- 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.

Attendance

Attendance is mandatory. Students are responsible for all announcements made during the lecture. Arrive on time and prepared. Silence and put away all electronic devices before class begins. Students can use a simple scientific calculator, not a graphing calculator.

Homework

Homework will be assigned each class period. Completing homework is essential for preparing for quizzes and exams.

Quizzes

Weekly quizzes will usually be given each Tuesday unless it is an exam week. Quizzes cover material from the two previous class periods. The two lowest quiz scores will be dropped.

Exams

There will be three midterm exams and a final exam:

- Exam 1: Thursday, February 13
- Exam 2: Thursday, March 13
- Exam 3: Thursday, April 10
- Final Exam: Thursday, May 1, 9:30 - 10:50 A.M. in the usual classroom

Grading

Scores will be posted on Canvas. Final course grades will be available on my.uttyler.edu.

The grading scale is:

- 90% or above: A
- 80%–89%: B
- 70%–79%: C
- 60%–69%: D
- Below 60%: F

The breakdown of your final course grade is:

- Quizzes: 15%
- Midterm exams: 20% each
- Final exam: 25%

Academic Integrity

Your work must be your own. Violations will be processed according to university guidelines. Resources allowed include the textbook, class notes, assigned homework problems, and the Math Learning Center. Using the internet unethically or copying from other students constitutes a violation. Artificial Intelligence (AI) tool is not permitted in this course at all.

University Policies

- January 27: Census Date.
- March 31: Last day to withdraw from one or more courses.

Refer to the University Policies and Information file on Canvas for more details.

Contingency Plans

If face-to-face classes are suspended, quizzes and tests may be rescheduled. Online proctoring may be utilized, requiring high-speed internet, Zoom, a webcam, and a microphone.