

# Statistics, Mathematics 1342, Section 009

## Spring 2026

Instructor: Md Timorul Islam (Fuad)

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**Course Schedule:** Section 009 meets Tuesday and Thursday in RBN 4025 from 12:30 - 1:50 PM.

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

## Office Hours

MWF from 12:30 PM to 1:30 PM and by appointment arranged by email.

## 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, correlation and regression, statistical inferences, constructing confidence intervals, testing of hypothesis, probability, 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 after 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 previous class periods.

## **Exams**

There will be two midterm exams and a final exam:

- Exam 1: Tuesday, February 10
- Exam 2: Tuesday, March 31
- Final Exam: Tuesday, April 28, 12:30 - 2:30 PM. in the usual classroom

## **Make-up Policy**

Make-ups for documented absences that are required as part of a UT Tyler obligation (e.g. athletes participating in an event, students participating in a debate contest, etc.) or for

religious observation will be granted. For all make-ups 3 of this type, prior notification of at least one week and documentation are required. Other make-ups are granted only in extreme cases and at the sole discretion of the instructor. Prior notification is still required. Under no circumstances will make-ups be granted without prior notification. Leaving early for a break is NOT grounds for a make-up, so please make your travel plans accordingly.

## Grading

Scores will be posted on Canvas. Final course grades will be available on my.uttyler.edu. The grading scale is:

- 85% or above: A
- 70%–84%: B
- 55%–69%: C
- 40%–54%: D
- Below 40%: F

The breakdown of your final course grade is:

- Quizzes: 15%
- Midterm exams: 30% 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 26: Census Date.
- March 30: Last day to withdraw from one or more 15-Week 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.