

MATH 1342 – Statistics I

Spring 2025

Professor: Leslie Stice

Office: Global High Room 105

Office Hours: TTH 8:15am-8:40am

Email: lstice@uttyler.edu, lstice@wisd.org

Office Phone: none

Web: class page on canvas

Class Meeting Time: Tuesday/Thursday 10:14am-11:45am

Required Text: *Statistics: Unlocking the Power of Data*, (third edition) by Lock, Lock, Lock, Lock and Lock.

Prerequisites: An acceptable score on ACT, SAT, STAAR, or TSI exam

Course Description: This course is a study of measures of central tendency and dispersion, sampling, probability and confidence intervals.

Student Learning Outcomes: Upon completion of this course, students should be able to do the following:

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
5. Describe and compute confidence intervals.
6. Solve linear regression and correlation problems.
7. Perform hypothesis testing using statistical methods.

Summary of grading policy: Your grade will be based on:

Homework	20%
Tests	60%
Final Exam	20%

The grading scale will be no harsher than: 90% = A, 80% = B, 70% = C, 60% = D.

Homework: Homework is on Wiley Plus and is due a week after it is assigned.

Tests and Final Exams: Tests and the Final Exam is in class on paper. No cell phone can be out at all. You will get a zero on the test if I see a cell phone. You may use a calculator and that's it.

Important Dates:

January 20: MLK Jr. Holiday

January 27: Census date. Last day to change schedule or file for grade replacement.

March 17-21: Spring Break.

March 31: Last day to withdraw.

Calculator Policy: Non-graphing calculators are required for this course. The recommended calculator is the TI-30X-IIS. Please bring your calculator to each course meeting.

Make-ups: Make-ups for **documented** absences that are **required** as part of a UT Tyler obligation (e.g. athletes participating in an event, participating in a debate contest, etc.) or for religious observation will be granted. For all make-ups 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.

University Policies: See <http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf> for these important University policies: UT Tyler Honor code, student rights and responsibilities, campus carry, UT Tyler a tobacco-free university, grade replacement and forgiveness, state-mandated course drop policy, student accessibility and resources, student absence for university-sponsored events, social security and FERPA, emergency exits and evacuation, and student standards of academic conduct.