

Statistics, MATH 1342-015

Fall 2026 Syllabus

Instructor: Betty Tran

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Office hours (for students): Wed 8:40 am to 10 am via zoom and Mondays in person from 2 pm to 3:40 pm (RBN 4th floor, Math Learning Center) or by appointment arranged by email. Zoom link will be posted on Canvas announcement.

Course Schedule: T/R from 3:30 pm – 4:50 pm in Ratliff Building RBS 2024

First class on Monday, August 24, 2026. **Withdrawal deadline before 5 pm Oct 30, 2026.** (No classes on Labor Day, Sep 7 and Thanksgiving week, Nov 23 to 29)

Course Website: Please activate your Canvas account. To do so, go to <https://www.uttyler.edu/canvas/>. This is also the address to log in. If you are registered in the course, you already have access to the course.

Required Materials:

(1) Textbook: Statistics, Unlocking the Power of Data, Fourth Edition, by the Lock family, ISBN 978-1-394-33657-9, with the access code to WileyPlus (which you must have for this course) including a complete E-Text and other tools needed for this course (online homework sets).

(2) Functioning computer or tablet which allows you to connect to the course technologies (such as Canvas and WileyPlus) and allows you to take photos (for the purpose of digitizing written work for upload to Canvas). Many homework problems will be available online.

(3) Reliable daily internet access on your computer and other devices to view content posted in the Canvas course and to submit your work on certain assignments.

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

Course Prerequisites: Appropriate score on ACT, SAT STAAR, TSI completion or special permission.

Course Outline: We will cover chapters 1- 6 (possibly more if we have time)

Learning Outcomes: By the end of this course, students should be able to

- (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) Examine, analyze and compare various sampling distributions for both discrete and continuous random variables
- (4) Describe and compute confidence intervals
- (5) Solve linear regression and correlation problems
- (6) Perform hypothesis testing using statistical methods.

Grading Policies

The grading scheme for this course will be no more harsh than

89.6% -100% A

79.5% - less than 89.6% B

69.5%- less than 79.5% C

60%- less than 69.5% D

less than 60% F

course activities	tentative due days	percentage
All homework sets	weekly (first hw due Sep 5)	10% (total)
Quizzes	per three weeks	20% (total)
Exam 1	Sep 24	17%
Exam 2	Oct 22	17%
Exam 3	Nov 17	17%
Final (cumulative)	University schedule, Thu, Dec 10, 2:45 pm to 4:45 pm	19%

All exams and quizzes are taken on paper during class.

(We will use StatKey for some homework problems. Free access <https://lock5stat.com/StatKey/>)

Make-up Policies:

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 in only extreme cases such as hospitalization and at the sole discretion of the instructor.

Make-ups will be allowed for the following excused absences:

1. Illnesses, with a doctor's note, no exceptions.
2. Your child's illness, with a doctor's note.
3. Court appearances with documentation.
4. Funerals or military advancement, with documentation and a photograph showing that you attended the event.

Doctor's notes must be dated either before you miss the class or within 2 days after you missed the class, unless you are hospitalized. In case of hospitalization, bring evidence of hospitalization.

Make-ups for test must be taken within 3 days after returning to class except for lengthy illnesses or hospitalizations.

The homework will not be reopened for any reason other than Canvas or WileyPlus being unavailable.

Attendance

Class attendance is mandatory. If you want to do well in this class, you will need to attend every class meeting and come prepared with all the materials (pencil, paper, calculator, etc) that you will need for learning.

Calculator Policy

Non-graphing calculators will be needed in the course and will be allowed on exams. NO cell phone and no other electronic devices during the exams. All work must be shown.

Cell Phones and other electronic devices

Please set your cell phones to silent mode. If you are expecting an emergency call, please notify your instructor, sit near the door, and answer the phone outside. You will not be allowed to wear electronic devices during an exam. During exams, cell phones must be turned off.

Academic Dishonesty

Your work must be your own. Violations will be processed according to the established guidelines of the department, college, and university. Violations of academic integrity include, but are not limited to, cheating, fabrication, or plagiarizing. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Below are ideas related to academic integrity. Resources you are encouraged to utilize in this course include textbook and unassigned problems, notes from class, assigned homework problems, your fellow Math 1342 students, the Math Learning Center, and your instructor. Email is the best way to contact me.

A.I. Policies

UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. AI uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified for this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy. For this course, AI is not permitted at all. In order to get the most of this course, you must complete all assignments without the aid of any AI tools. Refrain from using AI tools to generate any course context (e.g., text, video, audio, images, code, etc.) for any assignment or classroom assignment.