

MATH 1342 - Statistics Fall 2026

Professor: Dr. Christy Graves

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Office Hours: Monday and Wednesday 9:00-10:00, 11:15-12:00, and by appointment

Class Time: MWF 8:00-8:55 (Section 001), MWF 10:10-11:05 (Section 003)

Class Location: RBN 4024 (Section 001), COB 111 (Section 003)

Text: There is no required textbook for this course. If you would like extra resources, the following books are optional:

- (1) *Statistics: Unlocking the Power of Data, 3rd edition*, by Lock, Lock, Lock Morgan, Lock, & Lock. ISBN # 978-1119682165
- (2) *Introduction to Modern Statistics, Second Edition* by Cetinkaya-Rundel and Hardin.
 - Download FREE pdf or order print version: <https://openintro.org/book/ims/>

Course Description: Measures of central tendency and dispersion, sampling, probability, testing of hypothesis, correlation and regression, and analysis of variance

Student Learning Outcomes: By the end of the course, successful 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; and
- Perform hypothesis testing using statistical methods.

Canvas: A Canvas site has been set up for this course. All handouts and announcements will be posted here. All assignments must be uploaded to Canvas.

Technology: Students will be required to have a device capable of internet access and access to Canvas. Students will need to have a way to scan or photograph their assignments and upload pdf documents to Canvas. Students will also need a non-symbolic calculator. Symbolic calculators are not allowed.

Exams

There will be 4 in-class exams. The exams are on the specific dates listed below:

Exam 1	Wednesday, September 16
Exam 2	Friday, October 9
Exam 3	Monday, November 2
Exam 4	Wednesday, December 2

- There are no make-up exams for any reason. Everyone has the opportunity of replacing their lowest exam score with their final exam score. (See the Grading section.) Thus, if you miss an exam, your final exam score will count for that missed exam.
- Approved calculators are allowed on exams. **You must bring your own calculator! A phone is not acceptable.**
- Calculators that perform symbolic manipulation, have AI capabilities, have built-in cameras, have QWERTY keyboards, or have access to the internet are not allowed.
- Unless otherwise specified, **you need to provide your work in order to receive full credit.**

Final Exam

The final exam will be cumulative and will be held on:

Wednesday, December 9, 8:00-10:00 (Section 001)
Wednesday, December 9, 10:15-12:15 (Section 003)

Lecture Notes

It is very important that you come to class, pay attention, and take notes. To this end, your lecture notes for each class period will be part of your course grade.

- All lecture notes must be uploaded to Canvas as a single pdf file.
- Lecture notes from class are due at midnight the class period after it is assigned. Due dates will be updated on Canvas.
- No late uploaded lecture notes will be accepted.

All lecture notes assignments are out of 4 points and are graded on completion. To receive full credit, your notes must contain all of the things I write down during class along with all examples and all work. There are 3 possible lecture note assignment grades:

- Lecture notes contain 100% of the material from class: 4/4
- Lecture notes contain at least half of the material from class but not all: 2/4
- Lecture notes contain less than half of the material from class: 0/4

Quizzes

After each section in the book is completed, you will be assigned a take-home quiz. These quizzes will be posted on Canvas and will usually be one page long. The goal of each quiz is to give you an idea of the format of exam questions. *You may use the text book, your notes, or collaborate with classmates on quizzes.*

- All quizzes must be uploaded to Canvas as a single pdf file.
- Quizzes are due at midnight the class period after it is assigned. Due dates will be updated on Canvas.
- No late quizzes will be accepted.

All quizzes are out of 4 points and are graded on correctness. To receive full credit, your quiz should have all problems completed with all answers correct and all work shown.

Grading

Your final grade in this course will be based on your performance on lecture notes, quizzes, in-class exams, and the final exam. Your grade will be computed two different ways:

Method 1: (Shown in Canvas)		Method 2: (Computed at Semester's End)	
Lecture Notes	5%	Lecture Notes	5%
Quizzes	5%	Quizzes	5%
Highest 4 Exam Scores	60%	Highest 3 Exam Scores	45%
Final Exam	30%	Final Exam	45%

Your final course grade will be the maximum of these.

The grading scale is as follows:

- A final course grade of 90% is at least an A;
- A final course grade of 80% is at least a B;
- A final course grade of 70% is at least a C;
- A final course grade of 60% is at least a D;
- Anything lower than a D is an F.

Late Work, Make-up Exams, and Extra Credit

There is no late work accepted for any reason. Your lowest 3 lecture note assignment grades are dropped. If you miss a lecture and can't get notes from someone, that will be one of your dropped scores. Your lowest 3 quiz grades will also be dropped.

There are no make-up exams. If you miss an exam, your final course grade will automatically be computed using Method 2 in the Grading section.

Extra credit: There is no extra credit in this class. Please be sure to keep up with your work throughout the semester.

Attendance (Fully Face-to-Face Format)

Students are expected to attend every lecture, and are responsible for any announcements made during lecture. The course moves quickly, and any absence will be detrimental to the student's performance. In the event that a student needs to miss class due to an emergency or illness:

- The student is responsible for keeping up in the the course on their own for the duration of the emergency or illness;
- The student is responsible for getting a copy of the lecture notes from a classmate;
- The student may request a meeting with the professor upon returning to campus. Before this meeting, the student should have copies of the class notes and should have read the relevant sections in the textbook;
- The student is responsible for turning in any assignments due during the duration of the emergency or illness. Any assignment not turned in will count toward one of the "dropped" assignments; and
- If the student misses an exam, the student's course grade will automatically be computed using Method 2 in the Grading section

Academic Dishonesty

Lecture notes and quizzes must be written in your own handwriting. Uploading another student's lecture notes or homework is an act of academic dishonesty and will result in a "0" grade on ALL Lecture Note grades or Quiz grades for the course. Any form of academic dishonesty will not be tolerated, and all cases will be reported to UT Tyler Judicial Affairs.

Important Dates. Exam dates are subject to change.

- September 8 - Census Date
- September 16 - Exam 1
- October 9 - Exam 2
- October 30 - Withdraw Deadline
- November 2 - Exam 3
- December 2 - Exam 4
- December 9 - Final Exam

Student Resources

- The Mathematics Learning Center (MLC) in RBN 4021 is an open access computer lab for math students. There are *free* tutors on duty for several hours each day to assist students in math courses. See <https://www.uttyler.edu/math/math-learning-center/> for the MLC tutoring schedule.

AI

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. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and 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.

University Policies: For additional university policies, please see:

<https://www.uttyler.edu/offices/academic-affairs/faculty-resources/syllabus-information/>