MATH 1342 - Statistics
Summer 2026
July 6 - August 7

Professor: Dr. Christy Graves
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Phone: 565-5839
Office: RBN 4013
Office Hours: By appointment

Class Time: July 6-August 7, 9:00-10:40
Class Location: RBN 4025

Text: There is no required textbook for this course. If you would like extra resouces, 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, and correlation and regression

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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.

Homework: There is no graded homework in this class. Optional additional exercises will be provided.

Quizzes: After each section in the book is completed, you will be given an in-class quiz. 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.* There are no make-up quizzes. Quizzes are 5% of your overall grade.

Participation & Attendance: It is very important that you come to class, pay attention, and take notes. To this end, participation and attendance is 5% of your overall grade. The following things will negatively impact your participation grade:

- Missing class
- Sleeping during class
- Actively using your cell phone during class
- Working on other classwork during class
- Using your laptop for anything other than taking notes during class

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Exams

There will be 5 in-class exams. These exams will take place the last 60 minutes of class.

Exam 1	**Friday, July 10**
Exam 2	**Friday, July 17**
Exam 3	**Friday, July 24**
Exam 4	**Friday, July 31**
Exam 5	**Friday, August 7**

- Only the highest 4 exam sores will count toward your final grade.
- There are no make-up exams.
- Approved calculators are allowed on exams. **You must bring your own calculator! A phone is not acceptable.**
- Any calculator that does not perform symbolic manipulations may be used on exams.
- There is no final exam in this class.

Grading

Your final grade in this course will be based on participation, quizzes, and in-class exams. Your grade will be computed a follows:

Course Assessment	
Participation & Attendance	5%
Quizzes	5%
Highest 4 Exam Scores	90%

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

Important Dates:

- July 9 - Census Date
- July 10 - Exam 1
- July 17 - Exam 2
- July 24 - Exam 3
- July 28 - Last day to withdraw
- July 31 - Exam 4
- August 7 - Exam 5

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/