



Math 1342.001I4
Elementary Statistical Methods
Summer 2025
Online Only

Instructor Information:

Dr. Jason Duvall
jduvall3@com.edu

Student Hours and Location:

TBA in class

Required Textbook/Materials:

The textbook for this course is: Statistics: Informed Decisions Using Data with Integrated Review with Pearson eText, by Michael Sullivan III, 6th edition, Pearson Education, 2021.

Access to a desktop computer or laptop and internet service outside of class are required to gain access to the required online assignments. Computers and internet access are available on campus during specified times. Some devices like iPads/tablets, Chromebooks, and cellphones are unreliable for the purpose of accessing MyLab Math assignments.

Note: MyLab Math generally does not work well with Safari. Download Chrome or Firefox if you have an Apple computer.

MyLab Math/Statistics (MLM) software is required for Math 1342. It provides access the eText for the textbook and all course assignments.

All of the required materials are available to you at no extra cost as part of your tuition, by default.

Required Technology:

A TI-84 Plus graphing calculator is required for this course. A TI-89 or higher or a TI-Nspire are not permitted. Internet capability is also required to gain access to course materials and online assignments via MyLab Math software.

Course Description:

This course includes collection, analysis, presentation, and interpretation of data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals, and hypothesis testing.

Course Requirements:

MyLab Math (MLM) Online Assignments: Go to your Brightspace course. You can access D2L Brightspace at COM at <http://com.brightspace.com>.

Homework: Homework assignments will be given each week for every section covered in the course. Homework assignments will count as 15% of your final grade.

Quizzes: Six quizzes will be given. Cumulatively, the quizzes will count as 10% of your final grade.
Unit Exams: Four exams will be given, and you will be provided with a review to prepare for each exam. Each test will count as 15% of your grade.

Final Exam: The comprehensive final exam will be given at the end of the course during Week 8. The final exam will count as 60% of your grade and will replace your lowest exam grade if it is higher.

Determination of Course Grade/Detailed Grading Formula:

Final Average = $.60 * (\text{Exam Average}) + .15 * (\text{Comprehensive Final Exam}) + .15 * (\text{Homework}) + .10 * (\text{Quizzes})$

Late Work, Make-Up, and Extra-Credit Policy:

Late work will be penalized 20%. There is no extra credit.

Attendance Policy:

Regular attendance in the form of logging into MLM is required.

Communicating with Your Instructor:

ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

Student Learner Outcomes:

Student Learner Outcome | Assessed via | Maps to Core Objective | Objective

Explain the use of data collection and statistics as tools to reach reasonable conclusions | Quiz 1 |

| Recognize, examine, and interpret the basic principles of describing and presenting data | Quiz 1

| Empirical and Quantitative Skills (EQS) | Question on Exam 1

Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics | Quiz 3 | Critical Thinking Skills (CT) | Question of Exam 2

Explain the role of probability in statistics | Quiz 3 ||

Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables. | Quiz 4 ||

Describe and compute confidence intervals | Quiz 5 ||

Solve linear regression and correlation problems | Quiz 2 ||

Perform hypothesis testing using statistical methods | Quiz 6 ||

Academic Dishonesty:

Cheating, including collaboration with classmates, is prohibited.

Student Concerns:

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the math department chair, Leslie Richardson, at lrichardson@com.edu.

Course Outline:

A calendar with all assignment due dates, drop dates, etc. can be found in MyLab Math.

Institutional Policies and Guidelines**Grade Appeal Process:**

Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook, located at https://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.pdf.

An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.

Academic Success & Support Services:

College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement:

Any student with a documented disability needing academic accommodation is requested to contact Kimberly Lachney, Student Accessibility Services Coordinator, at:

Phone: 409-933-8919

Email: AccessibilityServices@com.edu

Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy:

Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 5-week session is June 30. The last date to withdraw from the 10-week session is July 29. The last date to withdraw for the 2nd 5-week session is August 1.

FN Grading:

The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw.

The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program:

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Office of the Dean of Students office at deanofstudents@com.edu or at communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.