



Math 1342.136H1
Elementary Statistical Methods
Spring 2025
Steam Building, Room 107
T/TH 9:30AM-10:50 AM and F 11:30AM-12:20 PM

Instructor Information: Mrs. Calvillo Luna

Email: jsmith56@com.edu –

Include your course & section in the subject line when emailing.

Office phone: 409-933-3816

Office: STEAM Bldg., Suite 325, room 10

Student Hours (Office Hours); Location: STEAM 325-10

1. 11:20 am – 1:30 pm Monday
2. 11:20am-12:30pm Wednesday
2. 12:30 am – 1:30 pm Wednesday (Tutoring Center)
2. 2:00pm-3:00pm (Monday Online by Appointment Only) [TEAMS Meeting](#)
3. 4:15pm – 4:45pm Tuesday/Thursday
4. 12:20pm-1:30pm Friday

Required Textbook/Materials:

1. 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.
2. 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 present problems with gaining access to online MyLab Math assignments.*
Note: MyLab Math generally does not like Safari. Download Chrome or Firefox if you have an Apple computer.
3. MyLab Math/Statistics (MLM) software is required for Math 1342.
4. MyMathLab(Statistics) provides access the eText for the textbook and all course assignments. **(No Purchase Necessary)**

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 MyMathLab 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:** Four quizzes will be given. Cumulatively, the quizzes will count as 10% of your final grade.
- **Unit Exams:** Three exams will be given, and you will be provided with a review to prepare for each exam. Each test will count as 20% 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 15% of your grade and will replace your lowest exam grade if it is higher.

Determination of Course Grade/Detailed Grading Formula:

Grading Formula:

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

Grading Scale:

The course grade will be determined using the following scale:

Grade A: Final Average [89.5, 100]

Grade B: Final Average [79.5, 89.5)

Grade C: Final Average [69.5, 79.5)

Grade D: Final Average [59.5, 69.5)

Grade F: Final Average [0, 59.5)

Your individual assignment grades and overall course average will be located within your MLM Course Gradebook.

Note: You will be able to access your D2L gradebook, however, your overall course grade will be more accurately reflected on MLM Course Gradebook.

Course requirements:

MyLab Math (MLM) Online Assignments– Go to your Brightspace course.

You can access D2L Brightspace at COM at <http://com.brightspace.com>. You can also access D2L by going to COM's homepage at <http://www.com.edu>, scroll down to the bottom of the page, and click on the button for D2L Brightspace. Once you gain access to *MyLab Math* within your Brightspace course, you are required to successfully complete an online orientation within MLM before the online assignments will appear. MLM assignments include homework and several online quizzes, and the deadlines for each are provided within MLM. The online homework includes homework from each section and a final exam review. If you opted out of *MyLab Math*, your recorded *MyLab Math* homework and online quiz grades will be zeros.

MLM Online Quizzes– Go to your Brightspace course and locate MyLab Math.

Online quizzes must be completed in one sitting and are timed. You cannot exit the quiz and come back to it as you can with homework. When you have answered all the questions, click submit quiz and the quiz will be graded online with your grade being posted to your gradebook of *MyLab Math*. To see your gradebook, click on the Gradebook button and you can see the

scores for all assignments attempted as well as your current average. You can retake each online quiz once to improve your score if the deadline is met. When an online quiz is retaken, the higher quiz grade is used in calculating your overall average. Reviewing a submitted online quiz is only available immediately after submitting.

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

Assignments-The late penalty for past due assignments is 20% of your grade. You cannot make up a quiz. A specified deadline will be given, and you will not be allowed to submit late. If the quiz assignment is not submitted or is not submitted by the deadline, a grade of zero will be recorded for the quiz assignment grade.

Online Quizzes-There are no make-up quizzes.

Tests- As a general rule, there are no make-up exams. A make-up exam will only be allowed at the discretion of the instructor and only under extenuating circumstances and is limited to one make-up chapter exam. If it is necessary to miss an exam:

1. You are required to petition the instructor in writing using your COM email **before** the exam is given to be considered for a make-up exam.
2. Only extenuating circumstances of a serious nature that are documented will be considered.

Realize not being prepared for the exam is not a legitimate reason for a make-up exam nor is scheduling work/appointments/vacations during the class period. **All other missed tests will be assigned a zero, and the zero(s) will be used to calculate overall grade in course.**

Your final exam grade will replace your lowest test grade. If you neglect to take a test by its due date, this grade will be the one replaced unless you have prior instructor approval to makeup this test at an alternate time.

Mandatory Tutoring Policy:

Students who fail (below a 70%) any chapter exam must attend a one-hour tutoring session before the next scheduled exam. The session will target areas where the student needs improvement. To verify attendance, students must submit a signed form from their tutor before the next upcoming exam. Failure to complete this requirement will result in a 5 point penalty from their overall grade on the next chapter exam.

Tutoring:

The Tutoring Center is here to support your academic success! We offer free, personalized academic assistance through one-on-one tutoring, available both in person and online. Need help after hours? Tutor.com provides 24/7 support and is accessible through your D2L course shell. Whether you're looking to master course material or boost your learning habits, we're here to help. For more information, visit <https://www.com.edu/tutoring>, email us at tutoringcenter@com.edu, or contact us at 409-933-8703

Success Coaching:

The Math Success Coach is here to help you navigate this course and stay on track both academically and personally. Support is offered through one-on-one coaching sessions covering topics such as time management, goal setting, stress management, study habits, and motivation. Whether you're overcoming challenges or aiming to improve your performance, the Math

Success Coach provides encouragement, accountability, and practical tools for success. Email successcoaching@com.edu for more information.

Attendance Policy: Students at COM are expected to attend and participate in every session of all classes for which they are registered. Regular attendance is a critical component to being successful in courses. Students should consult with their instructors when it becomes necessary to miss a class. Students are required to attend all classes. College of the Mainland recognizes no excused absences other than those prescribed by law.

To aid in a successful semester for a face-to-face math class, attendance and being engaged by actively participating to gain knowledge through class discussions and taking detailed and organized notes is essential. Students are not considered to be actively engaged when missing any part of a class and/or when their attention is directed to other sources. Because of this, students will be counted absent when:

1. Arriving to class 15 minutes late or later,
2. Taking break(s) during the class period for a significant amount of time or taking multiple breaks,
3. Sleeping during the class period,
4. Leaving early (15 minutes or longer), and/or
5. Using cellphone(s) and/or earbuds/headsets during the class period since students are expected to have a productive workspace and be engaged with the class discussions to aid students in having an environment that is conducive to optimal learning.

You cannot make-up classes, and it is your responsibility to be punctual and regular at attending class. If you find that you are having trouble arriving on time, adjust your schedule accordingly. Also, please be advised that it is **your** responsibility to get caught up when a class is missed.

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.

Table Mapping SLO's and Core Objectives

Student Learner Outcome	SLO Assessed via this Assignment	SLO Maps to Core Objective	Core Objective Assessed via this Assignment
1. Explain the use of data collection and statistics as tools to reach reasonable conclusions	Quiz 1		
Student Learner Outcome	SLO Assessed via this Assignment	SLO Maps to Core Objective	Core Objective Assessed via this Assignment
2. Recognize, examine, and interpret the basic principles of describing and presenting data	Quiz 1	Empirical and Quantitative Skills (EQS)	Question on Exam 1
3. Compute and interpret empirical and theoretical	Quiz 3	Critical Thinking Skills (CT)	Question of Exam 2

probabilities using the rules of probabilities and combinatorics			
4. Explain the role of probability in statistics	Quiz 3		
5. Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables.	Quiz 4		
6. Describe and compute confidence intervals	Quiz 5		
7. Solve linear regression and correlation problems	Quiz 2		
8. Perform hypothesis testing using statistical methods	Quiz 6		

*The core objective, Communication Skills, will be assessed this semester.

Academic Dishonesty: College of the Mainland is committed to a high standard of academic integrity. All students are responsible for honesty and independent effort. Incidents of academic and scholastic dishonesty (including cheating, plagiarism, and collusion) will be dealt with in a manner that is consistent with College Policy and the Student Handbook. Any student found to have engaged in academic dishonesty on an assignment, quiz, or exam will receive a zero for that work, with no opportunity to retake it. The zero will be included in the final grade calculation for the course. A second offense will result in a final grade of **F** for the course. Academic dishonesty – such as cheating on exams or quizzes is an extremely serious offense and will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Note: There is a zero-tolerance policy for the use of cell phone or any other electronic devices during quizzes and exams. Possession or use of a cell phone during any assessment will be considered academic dishonesty and handled accordingly. Additionally, using any calculator on a quiz or test when it is not allowed will be considered cheating as well as using a calculator other than a TI-30XIIS calculator (or an approved scientific calculator) on a calculator approved quiz or test.

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 Mr. Leslie Richardson, Math Department Chair, at (409) 933-8329 or at lrichardson@com.edu.

Additional Policies

Unattended Minors/Children in Class

For their safety, unattended minors of students are not permitted on campus while students are in class. In consideration of fellow classmates and staff, please do not bring children to class.

Productive Workplace

Students are expected to bring all tools necessary for success to class every day. These tools include writing implements, notebook/note paper, and an approved calculator. **Food and drinks,**

except for bottled water, are not allowed in classrooms. All other items (backpacks, purses, bags, laptops, etc.) must be placed between your feet. In addition, headsets/wireless earbuds and cell phones are to be placed in your backpack, etc. before class starts.

Class Notes

Every week, class notes for each section to be covered that week will be posted on D2L for you to print and follow along during the lectures. It is highly suggested you have these notes for each class session.

Classroom Conduct Policy

Arriving on time, staying the entire class period, eliminating distractions like cell phones, using appropriate language (no cursing), respecting your classmates and the instructor, and cleaning up after yourself are all expectations for students in the classroom. Please abide by these expectations so that the class setting is enjoyable for all students. Regarding cell phones, they should be turned off or set on airplane mode and in your backpack/purse (not on your desk). It is extremely disruptive to the learning environment, so you will be asked to leave if it is a continuous problem. You are not allowed to use laptops during class. You may **ONLY** use a tablet for not taking purposes. Infractions may result in an automatic withdrawal from the class. Cell phones **cannot** be used during tests or quizzes and refer to testing policies for additional information. Please notify me before class if you have an emergency that requires you to answer your phone during class. Take an emergency phone call outside of the classroom

Recording of Class

Students may not record all or part of class and/or all or part of a livestream without advanced written consent of the instructor. If you have or think you may have a disability such that you need to record class-related activities, please contact the Student Disability Services. If you have an accommodation to record class-related activities, those recordings may not be shared with any other student, whether in this course or not, or with any other person or on any other platform. If any instructor's recordings are provided, students may use instructor's recordings for their own studying and notetaking. Instructor's recordings are not authorized to be shared with anyone without the prior written approval of the instructor. Failure to comply with requirements regarding recordings may result in a disciplinary referral and/or disciplinary action.

Testing Policy

Prohibited devices include, but are not limited to:

- Cell phones; smart phones; smart watches
- Audio players/recorders, tablets, laptops, notebooks, or any other personal computing devices
- Separate timers
- Cameras or any other photographic equipment
- Any devices, including digital watches, that can be used to record, transmit, receive, or play back audio, photographic, text, or video content.

If your device makes a sound or is in your possession when the device goes off, you may be dismissed, and your score may be recorded as a zero.

If you leave the classroom at any time during an exam, the exam must be submitted for grading. Therefore, it is strongly advised that students take care of all personal business prior to entering the classroom to take an exam.

Learning Outcomes: Upon the completion of this course, the student will:

- Explain the use of data collection and statistics as tools to acquire reasonable conclusions.
- Recognize and interpret data.
- Compute and interpret theoretical and empirical probabilities.
- Explain the role of probability in statistics.
- Examine and analyze different sampling distributions.
- Perform hypothesis testing using statistical methods.

Course outline:

Tentative Schedule

Week	Dates	In-Class Instruction			Independent Study - Online		Due
1	Aug. 18- Aug. 24	T	1.1	Introduction to the Practice of Statistics	1.6	Course Syllabus The Design of Experiments	Aug. 25
			1.2	Observational Studies vs. Designed Experiments	2.1	Organizing Qualitative Data	
		TH	1.3	Simple Random Sampling	2.2	Organizing Quantitative Data: The Popular Displays	
			1.4	Other Effective Sampling Methods			
		F	1.5	Bias in Sampling			
2	Aug. 25- Aug. 31	T	2.4	Graphical Misrepresentations of Data	3.3	Measures of Central Tendency and Dispersion from Grouped Data	Sep. 1
			3.1	Measures of Central Tendency	3.4	Measures of Dispersion and Outliers	
		TH	3.2	Measures of Dispersion (continued)	3.5	The Five-Number Summary	
				Tendency		Boxplots	
		F		Measures of Dispersion (continued)		QUIZ 1 (Chapter 1&2 &3)	
3	Sep. 1- Sep. 7	T		Review for Exam 1			Sep. 4 Sep. 8
		TH		Exam 1 (CH 1 & 2 & 3)			
		F					
			4.1	Scatter Diagrams, Correlation, and the Coefficient of Determination	4.2	Least Squares Regression	
4	Sep. 8 - Sep. 14	T	5.1	Probability Rules	5.4	Conditional Probability and the General Multiplication Rule	Sep. 15
			5.2	The Addition Rule and Complements			
		TH	5.2	(continued)			
			5.3	Independence and the Multiplication Rule	5.5	Counting Principles	
		F	5.3	(continued)			

5	Sep. 15- Sep. 21	T TH F	6.1 6.2 6.2	Discrete Random Variables The Binomial Probability Distribution (continued) Review for Exam 2	7.1 7.2	Properties of Normal Distribution Applications of Normal Distribution QUIZ 2 (Chapter 4&5&6)	Sep. 22
6	Sep. 22- Sep. 28	T TH F	8.1 8.2 8.2 9.1	Exam 2 (CH 4 & 5 & 6) Distribution of Sample Mean Distribution of Sample Proportion Distribution of Sample Proportion Estimating a Population Proportion	9.1 9.2	Estimating a Population Proportion Estimating a Population Mean QUIZ 3 (Chapter 7& 8 &9) Review for Exam 3	Sep. 23 Sep. 29
7	Sep. 29- Oct. 5	T TH F	10.1 10.2 10.2 10.3 10.3	Exam 3 (CH 7 & 8 & 9) The Language of Hypothesis Testing Hypothesis Tests for a Population Proportion (continued) Hypothesis Tests for a Population Mean (continued)	10.3	Hypothesis Tests for a Population Mean (continued) QUIZ 4 (Chapter 10)	Sep. 30 Oct. 6
8	Oct. 6-9	T TH		Review for Final Exam Final Exam			Oct. 7 May .9

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.

W-Day- Oct 1

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 <https://www.com.edu/student-services/student-handbook.html>. *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 accommodations is requested to contact:

Kimberly Lachney, Student Accessibility Services Coordinator

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 8-week session is October 1. The last date to withdraw from the 16-week session is November 14. The last date to withdraw for the 2nd 8-week session is November 25.

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 Dean of Students office at deanofstudents@com.edu or 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.
