



Math 1342.037I2
Elementary Statistical Methods
Fall 2025
Online

This is an online course. You are responsible for learning the material online via lecture videos/handouts provided by me AND/OR the provided Pearson resources prior to attempting the homework.

Instructor Information: Kristi Kelley, kkelley9@com.edu, 409-933-8287

Student hours and location: **Monday and Wednesday:** 9:30 – 10:30 AM Office: STEAM 325.05
10:30 – 11 Tutoring Center
1:30 – 2:30 Office: STEAM 325.05
Tuesday and Thursday: 1 – 1:30 PM Office: STEAM 325 (excluding the 1st Tuesday and 3rd Thursday of the month due to meetings)
8 – 8:30 PM Virtual by Appt
Friday: 8 – 9 PM Virtual by Appt
Saturday: 9 - 10 AM Virtual by Appt

Email me to meet on Friday or Saturday and use the link to join the virtual office hours. [Join the Virtual Office Hours](#)

Technology to Download:

Microsoft Teams: [Join the class team](#) by clicking the link or by using the join code: **2qcbgev**
You need to use your COM credentials when logging into Microsoft Teams. You may need to un-install Teams and re-download the version for schools.



Pulse App: Download the Brightspace D2L Pulse App to get the announcements on your phone that I post to D2L. I will send reminders about assignments among other things through this app.



Remind101 App: [Join the class Remind](#) by clicking the link or text **@1342-037** to the number **81010**
Download the Remind101 App to get reminders from me about due dates, exam dates, etc.



Outlook App: Download the outlook app on your phone to be able to check and send emails from your smartphone.



Calculate84: Download [Calculate84 on your iPhone](#) and [download Calc84 on your android](#).
to have an TI 84 calculator app on your phone. I do recommend buying one if you can, but if you cannot, this will work for your homework.



NOTE: 1. You will not be able to use this app in class on quizzes or exams. I will bring the TI 84 calculators for the exams.

2. See the library, STEM success coach, or Math success coach to try to check out a TI 84 calculator!



Required Textbook/Materials:

1. **Textbook:** Statistics: Informed Decisions Using Data with Integrated Review with Pearson eText **Edition: 7**
Textbook Purchasing Statement: E-Book is contained within MyLab Math in Brightspace/D2L.
2. An access code for MyMathLab is required to access the e-text and course assignments. ***The cost of the access code is included in tuition for this course. DO NOT OPT OUT OF THE COURSE MATERIALS OR YOU WILL LOSE ACCESS TO MyMATHLAB! You will go to D2L to access MyMathLab.***
3. **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**. You can check out a calculator at the library or Title 5 office in the Student Center (office is on the left of the stairs)

Internet capability and a computer is required to gain access to course materials and online assignments via MyMathLab software. 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. Due to this, do not use these devices when taking an online quiz. Note: MyLab Math generally does not like Safari. Download Chrome or Firefox if you have an Apple computer.

For Math 1342 in class quizzes and exams, a COM issued TI 84 Plus calculator will be provided and required. It is recommended you purchase your own TI-84 Plus calculator to use during lectures and on homework to assist with learning the appropriate keystrokes. HOWEVER, you can download an app called **Calculate84** on your smartphone to use at home which has almost all the features of the TI 84 Plus CE calculator.



Recommended Materials:

- A small 3 ring binder (to keep class notes in)
- Spiral bound notebook (to do your homework in) OR notebook paper and a bradded folder
- Pens and Pencils (You MUST complete your exam with a pencil or ERASEABLE pen)
- index cards
- highlighters

Points may be deducted for use of a non-erasable pen.

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:

- **Homework:** Online MyMathLab 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 online MyMathLab quizzes will be given. One before each exam and one chapter 10 quiz. Cumulatively, the quizzes will count as 10% of your final grade.
- **Unit Exams:** Three exams will be given. A paper review, videos going over the review, and an online review will be provided. To be successful on the exams, it is crucial for you to complete the exam reviews and have a strong understanding of the material. Questions on the exam can come from reviews, homework problems, or quiz problems. The exams count as 60% of your grade.
- **Final Exam:** The final exam is comprehensive. The final exam will count as 15% of your grade.
The final exam will replace your lowest exam grade if it is higher AND you have submitted scratch work for all exams.

Determination of Course Grade/Detailed Grading Formula:

Your overall average/grade will be located in you MML Course. We will NOT be using the D2L gradebook to keep up with your overall average.

Grading Formula:

The course average will be determined using the following formula:

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

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).

Attendance Policy

Students at COM are expected to participate every week for which they are registered. Per COM policy, students are required to log on to their course at least twice per week, but it may be necessary to log on more times each week to complete the assignments required of this course. When students are not actively participating (e.g., contributing to discussions and completing weekly online homework), the faculty member can initiate an instructor drop and, subsequently, the student will receive a **W** for the course.

Late work, Make-Up Policy, Extra Credit Policy:

Late Work

Each homework and quiz have a set due date. You can complete homework and quizzes after the due date until 11:59 PM on the day the exam closes. Each homework question worked after the due date will receive a 10% late penalty. The late penalty applies only to questions worked after the due date and not the entire assignment. You can complete the exams one day late with a 5% late penalty. ALL

Homework and quizzes will close on the day of the exam at 11:59 PM and will not be re-opened.

It is your responsibility to look at the course calendar located in the syllabus frequently, so you do not miss any due dates.

Make-Up Exams

Students are allowed **one make-up exam** during the semester. To be eligible for a make-up exam, you must **email me before the due date of the exam**. *Make-up requests sent after the due date will not be considered.* If approved, you will have two days after the close date of the exam to complete the exam.

Extra Credit Policy

There is NO extra credit for this course.

Exam Policies:

Submitting Exam Scratch Work for Online Exams

You will be **REQUIRED** to submit your work for the online exams following the guidelines below. You will submit your work to Assignments in D2L as a **SINGLE PDF file**. Problems that lack work to justify your answer or are not worked out using the methods taught in class or the Pearson resources, will lose points for those problems. You will be required to use Respondus to proctor the exam. You will be required to use a webcam, show a current photo ID, and will be asked to scan the room before the exam and possibly during the exam.

If you do not submit scratch work for ALL of the exams, your Final Exam grade WILL NOT replace your lowest exam grade!

Exam scratchwork needs to be submitted using the following criteria or will not be accepted:

1) **Pages** must be **numbered** and submitted in the **correct order**. **Problems** must be **numbered** and **worked** according to the **methods** provided in the **instructor's lecture videos and/or Pearson resources**. Problems worked via methods not appropriate for this course may not be given credit. **Scratchwork that is not legible will not be graded.**

2) You must take pictures of your scratchwork using a smart phone, convert to a **SINGLE PDF FILE** (multiple PDFs will not be accepted) using a PDF converter app such as AdobeScan, and upload to D2L within **15 minutes** of completing the exam.

Additional Information:

- I. If you are having trouble uploading your scratch work to D2L or converting pictures of your work to a single PDF file, e-mail me a picture of your work, and then I can help you upload your scratch work.
- II. Work that is submitted between 15 and 20 minutes after completing the exam will lose 5 points on the exam.
- III. Work that is submitted more than 20 minutes after completing the exam will lose 10 points on the exam.
- IV. If work is not submitted, you will receive a zero for that exam.

Exam Pre-requisites: There is a pre-test quiz that contains testing instructions that must be completed prior to the exam opening.

Additional Policies:

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. (Faculty may add additional statement requiring monitoring and communication expectations via D2L or other LMS)

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 Conduct. Any student found to have been academically dishonest on an assignment, quiz, or exam will receive a zero for that assignment, quiz, or exam, and he or she will be referred to the Office of Student Conduct for further disciplinary action. Please read the section on Standards of Student Conduct and Discipline and Penalties in the online Student Handbook.

Note: *Using any AI or technology to complete the homework assignments and quizzes is cheating and will be reported to the Dean of Students.*

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 richardson@com.edu

Success Tips and Resources

 Keys to Success in This Class

 **Read the textbook:** Preview textbook sections to build understanding.

 **Schedule online "class time":** Take notes/complete HW consistently!

 Be Engaged in the virtual lecture

- No phones
- Take notes
- Do assigned problems
- Ask me questions as they arise (via email or office hours)

 **Start Homework ASAP:** Do it while it's fresh in your mind after taking notes—don't delay!

 **Practice Daily:** The more your practice, the better you will get!

 **Get Help Early:** Visit office hours or the tutoring center at the first sign of struggle.

 **Prepare for Exams:** Complete and redo reviews until you're confident without help.

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

Students can either go to the Tutoring Center or make an appointment online. Students can log in and make appointments for a tutoring session by going to the Tutoring Center page on the college web site or use the link <https://com.mywconline.com/>

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.

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 accommodation 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.

Student Learner Outcome	Assessed via this Assignment	Maps to Core Objective	Assessed via this Assignment
1. Explain the use of data collection and statistics as tools to reach reasonable conclusions	Quiz 1		
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 probabilities using the rules of probabilities and combinatorics	Quiz 3	Critical Thinking Skills (CT)	Question on Exam 2
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		

Course Calendar:

- **Online Learning:** You are responsible for taking notes off the lecture recordings using the lecture notes (just like we would have done in class) and completing the homework assignments in MyMathLab in a timely manner.
- **Close Date:** You have one day to take the exams late with a 5% late penalty. The exam and all the corresponding homework and quiz will close one day after the exam is due.
- **Withdraw Date:** 11/25

Week	Dates	Math 1342.037 Online	Due Dates by 11:59pm
1	October 13– 19	1.1 Introduction to the Practice of Statistics 1.2 Observational Studies vs. Designed Experiments 1.3 Simple Random Sampling 1.4 Other Effective Sampling Methods 1.5 Bias in Sampling 1.6 The Design of Experiments	Su:10/19
2	October 20 – 26	2.1 Organizing Qualitative Data 2.2 Organizing Quantitative Data: The Popular Displays 2.4 Graphical Misrepresentations of Data 3.1 Measures of Central Tendency	Su:10/26
3	October 27 – November 2	3.2 Measures of Dispersion 3.3 Measures of Central Tendency and Dispersion from Grouped Data 3.4 Measures of Dispersion and Outliers 3.5 The Five-Number Summary Boxplots	Su:11/2
4	November 3 – 9	<i>Review for Exam 1</i> <i>Quiz 1 (Ch. 1, 2, and 3)</i> Exam 1 (Ch. 1 – 3) 4.1/4.2 Scatter Diagrams, Correlation, and the Coefficient of Determination Least Squares Regression 5.1 Probability Rules 5.2 The Addition Rule and Complements	<i>M: 11/3</i> <i>M: 11/3</i> T: 11/4 Su:11/9
5	November 10-16	5.3 Independence and the Multiplication Rule 5.4 Conditional Probability and the General Multiplication Rule 5.5 Counting Principles 6.1 Discrete Random Variables 6.2 The Binomial Probability Distribution	Su:11/16
6	November 17– 23	<i>Review for Exam 2</i> <i>Quiz 2 (Ch. 4, 5, and 6)</i> Exam 2 (Ch. 4 – 6) 7.1 Properties of Normal Distribution 7.2 Applications of Normal Distribution 8.1 Distribution of Sample Mean 8.2 Distribution of Sample Proportion	<i>M: 11/7</i> <i>M: 11/7</i> T: 11/18 Su:11/23
7	November 24–30	9.1 Estimating a Population Proportion 9.2 Estimating a Population Mean <i>Review for Exam 3</i> <i>Quiz 3 (Ch. 7, 8, and 9)</i> Exam 3 (Ch. 7, 8, 9) 10.1 The Language of Hypothesis Testing 10.2 Hypothesis Tests for a Population Proportion	W: 11/26 <i>Th: 11/27</i> <i>Th: 11/27</i> F: 11/28 Su: 11/30
8	December 1 – 3	10.3 Hypothesis Tests for a Population Mean <i>Final Exam Review</i> <i>Quiz 4 (Ch. 10)</i> Final Exam due Wednesday December 3, 2025	M: 12/1 <i>T: 12/2</i> <i>T: 12/2</i> W: 12/3