



Math 1332.101H1-Hybrid Course
Quantitative Reasoning
Fall 2024
STEAM Bldg., Room 103
M/W: 2:00-3:50 pm

Instructor Information: Mrs. Allison

Email: tallison@com.edu

Include your course & section in the subject line when emailing. I usually do not review emails after 5pm.

Office phone: 409-933-8369, 1-888-258-8859 extension 8369

Office: STEAM Bldg., Suite 325, room 12

Microsoft Teams Class Code: qjy8ick

Click <https://teams.microsoft.com/> then use your COM email and password to access. There is also an app, <https://www.microsoft.com/en-us/microsoft-365/microsoft-teams/download-app>

Student Hours (Office Hours)-1st 8-wks; Location: STEAM 325-12

1. 9:10-11:55 am, Monday
2. 11:30 am-12:15 pm, Tuesday/Thursday
3. 9:00-11:15 am, Wednesday
4. 8:00-9:00 am, Monday-location-**Tutoring Center (ICB-Rm 109)**

Required Textbook/Materials

1. A Survey of Mathematics With Applications, 11th edition, by Angel, Abbot, and Runde, Pearson Education

Textbook Purchasing Statement: E-Book is contained within *MyLab Math* in Brightspace - D2L.

2. Access to a dependable desktop computer or laptop and reliable 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. Due to this, do not use these devices when taking an online quiz. Note: MyLab Math generally does not like Safari either. Download Chrome or Firefox if you have an Apple computer.*

3. *MyLab Math (MLM)* contained within Brightspace is **required** for this class. Opting out of this required component means your homework and any other online assignments will be zeros.

4. A **TI-30XIIS calculator** is required for this course. *TI-30XA calculator is NOT appropriate for this course since it requires a different combination of keystrokes. Graphing calculators and unapproved calculators are not permitted when testing.*

5. A free PDF converter app or a printer that can scan documents is needed to submit some assignments/scratch work, etc.

6. Links to handouts will be made available within Brightspace for the sections covered for the next exam. These handouts will not be provided in class, so print out the handouts and bring these handouts to class to assist you in following along with the lecture.

Course Description: Topics include introductory treatments of sets and logic, financial mathematics, probability and statistics with appropriate applications. Number sense, proportional reasoning, estimation, technology, and communication will be embedded throughout the course.

Hybrid Course: This being a Hybrid course you will be attending class Mondays AND Wednesdays every week from 2:00 - 3:50pm. The expectations of a Hybrid course are students will engage in some parts of the class in person including specific required face-to-face assessments during class and other parts being through remote, fully online participation.

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 within Brightspace, you are required to successfully complete an online orientation within MLM before the online assignments will appear. MLM assignments include homework, several online quizzes, and online exam(s), and the deadlines for each are provided within MLM. The online homework includes homework from each section and test review(s). To help you be better prepared for a testing environment, most study aids are not available for any *MyLab Math* homework test reviews. If you opt out of *MyLab Math*, your recorded homework and any online quiz and test 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 within *MyLab Math*, 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 AND a score of at least 75 is obtained on the sections covered on the quiz. 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. *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.* Any email correspondence concerning any technical difficulties with your MLM quiz must be received before 5pm of the deadline, and this alone does not guarantee that the quiz will be reopened or made available. Plan ahead and start the quizzes early to assist with your success in the class. ***MLM Online Quiz Pre-requisite: There is a "Testing Instructions" pre-requisite assignment in My Math Lab that must be completed prior to taking an online quiz. Not completing this assignment means the online quiz will not open and a grade of zero will be recorded for the quiz.***

MyLab Math (MLM) Homework – Go to your Brightspace course and locate MyLab Math.

There is assigned homework for each section and each test review.

1. To help you be better prepared for a testing environment, most study aids are not available for *MyLab Math* homework test reviews.
2. Enter your answers then click the CHECK ANSWER button.
3. If needed, click the SIMILAR EXERCISE button to redo the exercise.
Note: You should strive to score at least 80% before moving on to the next section.
4. If the submitted answer is correct, click on the SAVE button to send your results to the gradebook. Your grade will show up in the GRADEBOOK and will be automatically accessible by your instructor.
5. Click on the next question to continue.

MLM Online Exam(s)– Go to your Brightspace course and locate MyLab Math.

Online exams must be completed in one sitting and are timed. There are no retakes, and there is only one attempt. You cannot exit the exam and come back to it as you can with homework. When you have answered all the questions, click submit exam and the exam will be graded online with your grade being posted to your gradebook of *MyLab Math*. *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 exam.* For your online exams you will be required to upload your work in **Brightspace - D2L as a single PDF format with pages being upright within 30 minutes of completing the exam.** You must show work in an organized, readable manner to receive credit, and all problems must be numbered in order. *Review the file before uploading in Brightspace to ensure it is the correct file, all pages are included, and the scratch work guidelines are met.* If no acceptable work or insufficient work is provided or the deadline of submitting work is not met, you will lose 15% of your online Exam grade. Reviewing a submitted online exam is only available after the uploaded work has been reviewed by instructor. Your homework is designed to help you learn the proper way to enter answers in *MyLab Math*, practice for a better understanding and to prepare for quizzes and exams. Using notation that is not acceptable within the homework of *MyLab Math* will not be counted correct when taking online quizzes or exams. ***MLM Online Test Pre-requisite: There is a “Testing Instructions” pre-requisite assignment in My Math Lab that must be completed prior to taking an online exam. Not completing this assignment means the online exam will not open and a grade of zero will be recorded for the exam.***

Exams:

Four tests (3 in-person exams and 1 online exam) plus an in-person comprehensive final will be given. Work provided on the in-person exams/quizzes must justify answers using incremental steps to receive credit. Students are required to use a pencil/erasable pen to show work on the in-class tests/quizzes, and tests and quizzes must be finished within the allotted time. Due to departmental policies, you are not allowed to complete tests in a testing facility beyond the allotted class time.

Being able to use a computer and gain access to the internet is necessary to complete the required online assignments. Note that personal computer problems do not excuse the requirement to complete all coursework in a timely and satisfactory manner. If at any time you experience technical problems with your MLM account, please contact Pearson’s Customer Technical Support immediately.

Other Homework Assignments:

Other homework assignments besides *MyLab Math* may be given during the semester. To receive credit for the questions, follow instructions and show incremental, organized, and legible work. In addition, use a pencil/erasable pen to show work, and methods used to solve must match the instructions stated in the problem. A few homework assignments must be scanned and converted to a single PDF file (using a PDF converter app on your smartphone or a printer at the college) and uploaded to Brightspace. The deadline for each assignment must be met and no retakes are provided. If the homework assignment is not submitted or is not submitted by the deadline, a grade of zero will be recorded for the assignment.

Other Quizzes:

Other quizzes besides *MyLab Math* may be given during the class period. The quizzes can be announced or unannounced and will consist of information contained in homework, textbook, and/or class lectures. To receive credit for the questions, follow instructions and show incremental, organized, and legible work.

In addition, use a pencil/erasable pen to show work, and methods used to solve must match the instructions stated in the problem. In-class quizzes are during designated times of the class period and cannot be made up. Arrive on time to class to ensure you have an opportunity to take the quiz.

Determination of Course Grade/Grading Formula

| | |
|-----------------------------|------------|
| Homework Average | 10% |
| Quiz Average | 10% |
| Chapter Test Average | 64% |
| Final Exam | 16% |

(Retaking the placement test does not affect your grades in this course. Your grade will be based on the information outlined above.)

Grading Scale

Grade A: Final average of 90 through 100

Grade B: Final average of 80 through 89

Grade C: Final average of 70 through 79

Grade D: Final average of 60 through 69

Grade F: Final average below 60

Your individual assignment grades and overall average will be located within your MLM Course Gradebook, NOT Brightspace's gradebook.

Late Work, Make-Up Policy, & Extra-Credit Policy

Homework- Start on your assignments early to have enough time to practice, study, learn the information, and meet deadlines. In some situations, depending on how close the *MyLab Math* homework deadline is to the exam, you can work past the deadline with a 20% penalty. The final deadline for working past the deadline for online homework is usually the day before the exam by 11:59 p.m. *Only rework or do problems that were not completed successfully by the deadline, because the 20% penalty applies to any problem worked after the deadline. Work problems in the IMPROVE GRADE mode, not REVIEW mode. The REVIEW mode will not change your grade for the section.* This is not a self-paced class, so deadlines are put into place to assist you with an appropriate pace to promote a productive learning environment.

Other Homework Assignments- The deadline for each homework assignment must be met and no retakes are provided. If the homework assignment is not submitted or is not submitted by the deadline, a grade of zero will be recorded for the homework assignment grade.

Quizzes- You cannot make up a quiz. Also, outside assignments may be given for a quiz grade. 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.

Tests- There are no make-up tests. **Missed tests will be assigned a zero, and the zero(s) will be used to calculate overall grade in course.** Since unforeseen circumstances may arise, the final exam grade will replace the lowest exam grade. This applies to only one exam.

This course most likely will not have any extra credit, so practice, study adequately, learn the information, and meet deadlines for the assignments you do have.

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. Hybrid sections will utilize online participation and take attendance on their assigned face-to-face meeting dates. College of the Mainland recognizes no excused absences other than those prescribed by law.

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 are also required to have a TI-30XIIS calculator, so using your cellphone to do calculations is not acceptable.*

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. In addition to attending class, students are expected to allocate a minimum of 8-12 hours per week to textbook readings, interacting with course materials, and completing assignments.

If the 1332 homework assignments due on August 21st have not been attempted, an Early Alert referral will be submitted. You risk being dropped from the class if you have not completed assignments within 5 calendar days or have missed taking an exam without prior notification.

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. I will respond to your email as quickly as possible (usually within 24 hours). I usually do not review my work email after 5pm during weekdays. *I recommend downloading the Outlook app on your smartphone for easy access to COM email and to check your COM email at LEAST once per day.*

Student Learner Outcomes and General Education Core Objectives

This course will address the following core objectives:

- **Critical Thinking Skills:** to include creative thinking, innovation, inquiry, analysis, evaluation and synthesis of information;
- **Communication Skills:** to include effective development, interpretation and expression of ideas through written, oral and visual communication;
- **Empirical and Quantitative Skills:** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Table Mapping SLO's and Core Objectives

| Student Learner Outcomes | Maps to Core Objective | Assessed via this Assignment |
|--|---|------------------------------|
| 1. Apply the language and notation of sets. | Critical Thinking Skills (CT) | Question on Test 1 |
| 2. Determine the validity of an argument or statement and provide mathematical evidence. | | |
| 3. Solve problems in mathematics of finance. | Communication Skills (CS) | Question on Test 4 |
| 4. Demonstrate fundamental probability/counting techniques and apply those techniques to solve problems. | | |
| 5. Interpret and analyze various representations of data. | Empirical and Quantitative Skills (EQS) | Question on Test 3 |
| 6. Demonstrate the ability to choose and analyze mathematical models to solve problems from real-world settings, including, but not limited to, personal finance, health literacy, and civic engagement. | | |

The Core Objective 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. Any student found to have been academically dishonest on an assignment, quiz or exam will receive a zero for that assignment without the option to retake and the zero(s) will be used in the overall calculations at the end of the semester. **Also, using any electronic device other than an approved calculator on a quiz or test will be considered cheating.**

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 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, weekly handouts, and an approved calculator. All other items (backpacks, purses, bags, laptops, etc.) must be placed between your feet. Before class starts, headsets/wireless earbuds and cellphones are to be placed in your backpack/bag, and laptops are to be turned off and not visible on your workspace/desk.

Classroom Conduct Policy

Arriving on time, staying the entire class period, eliminating distractions like cellphones, 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. 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 by the instructor, 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.** If you are not feeling well, let me know in advance of distributing the exam and the exam will be given one page at a time. Therefore, it is strongly advised that students take care of all personal business prior to entering the classroom to take an exam.

Also, using any electronic device other than an approved calculator on a quiz or test will be considered cheating.

Course outline:(Due dates are the last day that the assignment can be submitted, it's suggested to be completed BEFORE.)

| Week | Dates | Math 1332-101H1 | Due Dates By 11:59PM |
|------|------------------|--|--|
| 1 | Aug. 19-23 | In Class Lectures and Complete MML Assignment by Due Date Syllabus Orientation-(Required 90% to gain access to homework assignments) 2.1 Set Concepts 2.2 Subsets 2.3 Venn Diagrams and Set Operations 2.4 Venn Diagrams with Three Sets and Verification of Equality of Sets | 8/21/24 8/21/24 8/23/24 8/23/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date 2.5 Application of Sets | 8/25/24 |
| 2 | Aug. 26-30 | In Class Lectures and Complete MML Assignment by Due Date 3.1 Statements and Logical Connectives 3.2 Truth Tables for Negation, Conjunction, and Disjunction 3.3 Truth Tables for the Conditional and Biconditional 3.4 Equivalent Statements | 8/28/24 8/28/24 8/30/24 8/30/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date Online Quiz 1 (Section 2.5, 3.3 & 3.4) Test 1 Review 11.1 Empirical & Theoretical Probabilities | 9/1-9/3 9/1/24 |
| 3 | Sept. 2-6 | In Class Lectures and Complete MML Assignment by Due Date Test 1 (Section 2.1-2.5 & 3.1-3.4) in class on 9/4/24 11.4 Tree Diagrams | 9/11/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date 11.2 Odds | 9/8/24 |
| 4 | Sept. 9-13 | In Class Lectures and Complete MML Assignment by Due Date 11.4 Tree Diagrams 11.5 OR and AND Problems 11.7 The Counting Principle and Permutations 11.8 Combinations | 9/11/24 9/11/24 9/13/24 9/20/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date Online Quiz 2 (Sections 11.1, 11.2, 11.4, & 11.5) 11.6 Conditional Probability Test 2 Review | 9/13-9/15 9/15/24 |
| 5 | Sept. 16-20 | In Class Lectures and Complete MML Assignment by Due Date Test 2 (11.1, 11.2, 11.4 - 11.6) in class on 9/16/24 11.8 Combinations 11.9 Solving Probability Problems by Using Combinations 12.4 Measures of Dispersion | 9/20/24 9/20/24 9/23/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date Online Quiz 3 (Section 12.2) 12.2 Frequency Distributions and Statistical Graphs 12.3 Measures of Central Tendency | 9/22-9/24 9/22/24 9/22/24 |
| 6 | Sept. 23-27 | In Class Lectures and Complete MML Assignment by Due Date 12.4 Measures of Dispersion Test 3 Review Test 3 (Sections 11.7-11.9 & 12.2-12.4) in class on 9/25/24 10.3 Compound Interest | 9/23/24 10/2/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date 6.2 Formulas, 6.3 Applications of Algebra, 6.10 Functions and Their Graphs 10.1 Percent | 9/29/24 9/29/24 |
| 7 | Sept. 30- Oct. 4 | In Class Lectures and Complete MML Assignment by Due Date 10.3 Compound Interest 10.4 Installment Buying 10.5 Buying a House with a Mortgage | 10/2/24 10/4/24 10/4/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date Online Quiz 4 (Sections 10.2, 10.3, & 10.4) 10.2 Personal Loans and Simple Interest Test 4 Review online homework assignment | 10/4-10/6 10/6/24 10/6/24 |
| 8 | Oct. 7-11 | In Class Lectures and Complete MML Assignment by Due Date Review for Final Exam Final Exam in class 10/9/24 | 10/8/24 |
| | | Watch the Online Lectures and Complete MML Assignment by Due Date Test 4 (Sections 6.2, 6.3, 6.10 10.1 – 10.5)-online exam [Available from 10/7-10/8] Final Exam Review online homework assignment | 10/7-10/8 10/8/24 |

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

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/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 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 2. The last date to withdraw from the 16-week session is November 15. The last date to withdraw for the 2nd 8-week session is November 26.

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.