College of the Mainland

Math 1350-221H1
Mathematics for Teachers I
SPRING 2025
Lecture: 6:00pm – 7:20pm MW   STEAM Room 107

Instructor Information: Gabriela Peña, gpena3@com.edu
Office: **STEAM 325-07**
Office Phone #: 409-933-8182

Student hours and location: Schedule your time via https://calendly.com/gpena3

Monday	12:00pm – 2:00pm & 5:15pm – 5:45pm	**STEAM 325-07**
Tuesday	2:00pm – 4:00pm	**STEAM 325-07**
Wednesday	11:00am – 12:00pm	**Tutoring Center**
Wednesday	4:45pm – 5:45pm	**STEAM 325-07**
Thursday	2:00pm – 3:00pm	**Online**

Required Textbook: The textbook for this course is: A Problem-Solving Approach to Mathematics for Elementary School Teachers by Billstein, Boschmans, Libeskind, & Lott (13th ed.) published by Pearson. Textbooks and/or courseware will be available through VitalSource digitally. Cost of the course materials: $105.25, **which has already been paid for with your tuition**. The course materials will be available on the first day of class and you will be given the opportunity to opt-out of the e-book prior to the census day of the class. If you choose to opt out then you will not be able to submit any of your assignments, which will lead to not being successful in the class. You will receive an email with more information about the use of the course materials closer to the start of the semester. The homework and quizzes as well as the e-text and videos for this course are online at mymathlab through Brightspace.

Textbook Purchasing Statement: E-Book via MyLab Math in Brightspace - D2L
(No Purchase Necessary, unless you Opt Out)

Course Description: Math 1350 is the first course in a two-semester course sequence designed to meet the mathematics requirements for students seeking to obtain an elementary teaching certificate. The course is a set theory approach to the development of the real number system, fundamental operations and concepts of arithmetic, systems of numeration, number theory with an emphasis on problem solving strategies and critical thinking.

Delivery of Course: This course is a hybrid format, requiring in-person attendance on **Mondays** and **Wednesdays** each week from **6:00 PM to 7:20 PM**. In addition to attending class, you will be responsible for watching online lectures available on D2L-Brightspace. Each lecture, whether conducted in class or online, will have a corresponding MyLab Math assignment.

Course requirements (including description of any special projects or assignments):
1. Four Chapter Tests
2. Comprehensive Final Exam
3. *MyLab Math (MML)* Online Assignments
4. Quizzes
5. Discussions
6. Project(s)

Determination of Course Grade/Detailed Grading Formula:
The course grade will be determined by the following formula:

      50% Exam Average,
      15% Homework, Discussion Board Average
      15% Quiz, Project(s)
      + 20% Final Exam
         100 % Final Grade

Homework Assignments on MyLab Math: There is a homework assignment for each section covered in class or online lecture video. These are listed on the course outline beginning on **page 4** of this syllabus. Twenty percent will be deducted from the score of a homework assignment if it is not finished by it is due date. Although the homework is online at mymathlab.com, and the answers are entered online, you should write your work on paper, neatly showing all steps, and keep it in your notebook with your lecture notes for future reference. Both may serve as an aid for preparing for quizzes and exams, and as a place to begin when seeking assistance from your instructor, the math lab tutor, or from your peers. You will have several attempts to answer a question correctly on the homework assignments.

Quizzes on MyLab Math: There are four quizzes which relate to the student learning outcomes. They are to be done on MyLab Math. Unlike homework assignments, the quizzes must be taken in **one sitting**, they are timed, and the student only gets **one attempt** to answer each question. The quizzes can only be taken twice. If not taken by its due date 20% will be deducted. The higher of the two grades will be used to determine the student's quiz average on MyLab Math.

Four Chapter Exams & Final Exam: There are four exams covering the chapters in the textbook, scheduled on the dates listed in the Course Outline. Each exam is allotted one hour and twenty minutes. Make-up exams are not permitted **unless** the student notifies the instructor in writing **prior** to the exam, and the instructor determines that the reason is legitimate. If approved, the make-up exam must be completed by the designated deadline; failure to meet this deadline will result in a score of zero. Only one make-up exam is allowed per semester, provided all necessary documentation is submitted.
Online exams require that you **upload your work in PDF format** to **Brightspace - D2L**. All work must be shown, problems numbered, and submissions must meet these requirements. Exams cannot be retaken.
The Final Exam score will replace your lowest exam score for the semester if you attended at least 11 of our 15 class meetings AND submission of all required work for the Online Exams in D2L.

Discussion Board: There will be discussion board questions on BrighSpace-D2L. You must participate in each discussion and reply to at least one of your classmates by the due date.

Projects: There will be 1-2 Projects during the Semester. TBD

Grading Scale:
Grade A: Final Average is [89.5, 100]
Grade B: Final Average is [79.5, 89.5)
Grade C: Final Average is [69.5, 79.5)
Grade D: Final Average is [59.5, 69.5)
Grade F: Final Average is [0, 59.5)
Grade I: Given unforeseen circumstances that result in the inability to successfully complete the course objectives, an I-Contract can be requested from the instructor assuming you meet the following criteria:
 1. Have a passing overall average (70 or higher)
 2. All work completed except for The Final Exam

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. College of the Mainland recognizes no excused absences other than those prescribed by law. There is a strong correlation between excessive absences and failing grades. It is extremely difficult to succeed in this course without having good attendance. Students with excessive absences will be referred to Student Services. Students should consult information provided in My Math Lab and the course calendar when it becomes necessary to miss a class in order to be prepared when they return to class. If you are absent, you are still responsible for the work that was to be finished by the next class.

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 Learning Outcomes

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
1. Explain and model the arithmetic operations for whole numbers and integers.	Empirical and Quantitative Skills (EQS)	Exam 4
2. Explain and model computations with fractions, decimals, ratios, and percentages	Empirical and Quantitative Skills (EQS)	Exam 3
3. Describe and demonstrate how factors, multiples, and prime numbers are used to solve problems.	Critical Thinking Skills (CT)	Exam 2
4. Apply problem solving skills to numerical applications.	Critical Thinking Skills (CT)	Problem-Solving Project(Quiz)
5. Represent and describe relationships among sets using appropriate mathematical terminology and notation.	Visual Communication Skills (CS)	Exam 1
6. Compare and contrast structures of numeration systems.	Critical Thinking Skills (CT)	Exam 1

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 been academically dishonest on a quiz or test will receive a zero on that quiz or test and forfeit the chance to retake. In addition, he or she will be referred to the Office of Student Conduct for further disciplinary action. For the second offense, students will be given an "F" for the class. Please read the sections on *Standards of Student Conduct and Discipline and Penalties* in the on-line Student Handbook.

The scientific calculator TI-30XIIS is required for this course. *Graphing calculators and unapproved calculators are not permitted when testing. Using a calculator for tests that is not approved 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 the Department Chair, Mr. Leslie Richardson at (409)933-8329.

Course outline:

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

Week	Dates	Math 1350-221H1	Due Dates by 11:59pm
1	January 13-17	**In Class Lectures and Complete MML Assignment by Due Date**	
		Syllabus Quiz on D2L	1/16/2025
		1-1 Mathematics and Problem-Solving	1/16/2025
		1-2 Explorations with Patterns	1/17/2025
		Quiz 1 (1.1 & 1.2)	1/20/2025
		Chapter 1 Discussion Board	1/20/2025
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		2-2 Describing Sets	1/20/2025
		2-3 Other Set Operations	1/20/2025
		Chapter 2 Discussion Board	1/20/2025
2	January 20 -Holiday January 21-24	**In Class Lectures and Complete MML Assignment by Due Date**	
		Project Information	
		3-1 Numeration Systems	1/24/2025
		3-2 Addition of Whole Numbers	1/25/2025
		Quiz 2 (3.1& 3.2)	1/27/2025
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		3-3 Subtraction of Whole Numbers	1/27/2025
		3-4 Multiplication of Whole Numbers	1/27/2025
3	January 27-31	**In Class Lectures and Complete MML Assignment by Due Date**	
		3-5 Division of Whole Numbers	1/31/2025
		Review Exam 1 (Chapters 3) In class	
		Chapter 3 Discussion Board	2/3/2025
		4-1 Divisibility	2/3/2025
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		Exam 1 (Chapters 3) (February 2, 2025)	2/2/2025
4	February 3-7	**In Class Lectures and Complete MML Assignment by Due Date**	
		4-2 Prime and Composite Numbers	2/7/2025
		4-3 Greatest Common Divisor & Least Common Divisor	2/7/2025
		Quiz 3 (Chapter 4)	2/10/2025
		Chapter 4 Discussion Board	2/10/2025
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		5-1 Addition and Subtraction of Integers	2/10/2025
		5-2 Multiplication and Division of Integers	2/10/2025
5	February 10-14	**In Class Lectures and Complete MML Assignment by Due Date**	
		Review Exam 2 (Chapter 4&5) in class on February 10, 2025	
		6-1 The Set of Rational Numbers	2/11/2025
		Exam 2 (Chapter 4&5) (February 12, 2025) in Class	2/12/2025
		Chapter 5 Discussion Board	2/16/2025
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		6-2 Addition, Subtraction, and Estimation with Rational Numbers	2/17/2025
		6-3 Multiplication, Division, and Estimation with Rational Numbers	2/17/2025
6	February 17-21	**In Class Lectures and Complete MML Assignment by Due Date**	
		Quiz 4 (6.1, 6.2, & 6.3)	2/21/2025
		6-4 Proportional Reasoning	2/21/2025
		Chapter 6 Discussion Board	
		Review Exam 3 (Chapter 6) in class on February 19, 2025	
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		Exam 3 (Chapter 6) (February 23, 2025)	2/23/2025
		7-1 Terminating Decimals	2/24/2025
7	February 24-28	**In Class Lectures and Complete MML Assignment by Due Date**	
		7-2 Operations on Decimals	2/28/2025
		7-3 Repeating Decimals	2/28/2025
		7-4 Percent	3/2/2025
		Chapter 7 Discussion Board	3/2/2025
		Review Exam 4 (Chapter 7) on February 26, 2025	
		Watch the Online Lectures and Complete MML Assignment by Due Date	
		Exam 4 (Chapter 7) (March 2, 2025)	3/2/2025
8	March 3-7	**In Class Lectures and Complete MML Assignment by Due Date**	
		Review for Final Exam in class on March 3, 2025	
		***Final Exam** (March 5, 2025)*	

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

Census Day – January 21, 2025

W-Day – February 26,2025

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 February 26. The last date to withdraw from the 16-week session is April 21. The last date to withdraw for the 2nd 8-week session is April 30.

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.