Math 2412-103C3 & Math 2412-603C3
Pre-Calculus
Spring 2025
Lecture: 11:00 am – 12:20 pm TR   ST 103
9:00 am – 9:50 am F   ST 115

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 used in this course is *Precalculus*, by Michael Sullivan, 11th edition, published by Prentice Hall. 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: Precalculus is an in-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

Delivery of Course: This course is a completely a Face-to-face course, meaning that you will be attending class every week on **Tuesday and Thursdays** from 11:00 - 12:20pm and **Fridays** from 9:00 - 9:50am. Every lecture will have a MyLab Math assignment.

Course requirements:
1. Four Chapter Tests
2. Comprehensive Final Exam
3. *MyLab Math (MML)* Online Assignments
4. Quizzes Assignments

Determination of Course Grade/Detailed Grading Formula:
Comprehensive Final Exam   20%
Average of Chapter Exams   60%
Homework Average   10%
Quiz Average   10%
Final Average   100%

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. Exams may not be retaken. **The Final Exam score may replace your lowest exam score of the semester if you have attended at least 38 of our 46 class meetings. To be marked as present, you must attend the full duration of each class session: 1 hour and 20 minutes on Tuesdays and Thursdays, and 50 minutes on Fridays.**

Grading Scale:
Grade A: Final Average in [89.5, 100]
Grade B: Final Average in [79.5, 89.5)
Grade C: Final Average in [69.5, 79.5)
Grade D: Final Average in [59.5, 69.5)
Grade F: Final Average in [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 the College of the Mainland (COM) are expected to attend and actively participate in every session of their registered classes. Regular attendance is crucial for success, as excessive absences strongly correlate with failing grades. COM does not recognize excused absences except as required by

law. Consistent attendance is vital for succeeding in this course, and students with excessive absences may be referred to Student Services.

If you must miss a class, consult the information provided in MyMathLab and the course calendar to stay prepared and on track for when you return. Remember, you are still responsible for completing any work due for the next class.

As a reminder, your Final Exam score can replace your lowest exam score of the semester if you have attended at least 38 of our 46 class meetings. To be marked as present, you must attend the full duration of each class session: 1 hour and 20 minutes on Tuesdays and Thursdays, and 50 minutes on Fridays.

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 Outcomes	Maps to Core Objective	Assessed via this assignment
1. Demonstrate and apply knowledge of properties of functions.	Critical Thinking Skills (CT)	Exam
2. Recognize and apply algebraic and transcendental functions and solve related equations.	Critical Thinking Skills (CT)	Quiz
3. Apply graphing techniques to algebraic and transcendental functions.	Communication Skills (CS3)	Quiz
4. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians.	Empirical and Quantitative Skills (CT)	Quiz
5. Prove trigonometric identities.	Critical Thinking	Exam
6. Solve right triangles and oblique triangles.	Critical Thinking	Quiz

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 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 sections on Standards of Student Conduct and Discipline and Penalties in the on-line Student Handbook.

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 2412-103	Due Dates
1	January 14, 17, 18	Syllabus Quiz on D2L 4.6 Real Zeros of Polynomial Functions 4.7 Complex Zeros 5.1 Composite Functions	All Week 1 assignments are due 1/20/25 by 11:59PM
2	January 21, 23, 24	5.2 Inverse Functions 5.3 Exponential Functions 5.4 Logarithmic Functions	All Week 2 assignments are due 1/27/25 by 11:59PM
3	January 28, 30, 31	5.5 Properties of Logarithms Quiz 1 (5.3 – 5.5) 5.6 Exponential and Logarithmic Equations 5.8 Applications Review for Exam 1	All Week 3 assignments are due 2/3/25 by 11:59PM
4	February 4, 6, 7	**Exam 1 (4.6 – 5.8) on February 4, 2025** 6.1 Angles and their Measure 6.2 Trigonometric Functions	All Week 4 assignments are due 2/10/25 by 11:59PM
5	February 11, 13, 14	6.2 Trigonometric Functions (continue) 6.3 Properties of Trig Functions Quiz 2 (6.2 – 6.3) 6.4 Graphs of Sine, Cosine Functions	All Week 5 assignments are due 2/17/25 by 11:59PM
6	February 18, 20, 21	6.5 Graphs of the Other Trigonometric Functions 6.6 Phase Shift Review for Exam 2	All Week 6 assignments are due 2/24/25 by 11:59PM
7	February 25, 27, 28	**Exam 2 (6.1 – 6.6) on February 25, 2025** 7.1 Inverse Trigonometric Functions 7.2 Inverse Trigonometric Functions	All Week 7 assignments are due 3/3/25 by 11:59PM
8	March 4, 6, 7	7.3 Trigonometric Equations 7.4 Trigonometric Identities 7.5 Sum and Difference Formulas	All Week 8 assignments are due 3/10/25 by 11:59PM
9	March 11, 13, 15	7.6 Double-Angle and Half-Angle Formulas 7.7 Product to Sum and Sum to Product Formulas 8.1 Right Triangle Trigonometry	All Week 9 assignments are due 3/24/25 by 11:59PM
10	March 25, 27, 28	8.2 The Law of Sines 8.3 The Law of Cosines Quiz 3 (8.1 – 8.3) Review for Exam 3	All Week 10 assignments are due 3/31/25 by 11:59PM
11	April 1, 3, 4	**Exam 3 (7.1 – 8.3) on April 1, 2025** 9.4 Vectors 10.2 The Parabola	All Week 11 assignments are due 4/7/25 by 11:59PM
12	April 8, 10, 11	10.3 The Ellipse 10.4 The Hyperbola Quiz 4 (10.2 – 10.4)	All Week 12 assignments are due 4/14/25 by 11:59PM
13	April 15, 17	11.5 Partial Fraction Decomposition 12.1 Sequences	All Week 13 assignments are due 4/21/25 by 11:59PM
14	April 22, 24, 25	12.2 Arithmetic Sequences 12.3 Geometric Sequences and Series Review for Exam 4	All Week 14 assignments are due 4/28/25 by 11:59PM
15	April 29, May 1, 2	**Exam 4 (10.2 – 12.3) on April 29, 2025** Review for Final Exam	All Week 15 assignments are due 5/5/25 by 11:59PM
16	May 6, 8	**Final Exam on May 6, 2025**	

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.
Census Day – January 29, 2025
W-Day – April 21, 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.