Department of Mathematics

Syllabus

Math 2412-102C5
Pre-Calculus
Summer II 2025
MTWTRF 8:00am-10:30am in STE RM 107

Instructor Information: Ms. 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
10:30 am – 11:30 am Mondays & Wednesdays

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: $99.12, **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 ebook 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.

Course requirements:

Homework Assignments on MyLab Math: There is a homework assignment for each section covered in class. 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 finished after it's due date. If you opted out of *MyLab Math*, your recorded *MyLab Math* homework and online quiz grades will be zeros.
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Although the homework is online, 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 notes for future reference, both as an aid for preparing for quizzes and exams, and as a place to begin when seeking assistance from your

professor, your peers, or the college tutoring center. The student has a limit of five attempts to answer a question correctly on the homework assignments.

Quizzes on MyLab Math: Online quizzes must be completed in <u>one sitting and are timed</u>. 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.

Chapter Exams: There are four exams which cover the chapters in the textbook. The exams are given on the dates listed on the Course Outline. The student has one hour and thirty minutes to take each exam. There are no make-up exams **unless** the student notifies the instructor in writing <mark>**before**</mark> the exam and the professor determines if it is a legitimate reason. If you are permitted to make-up the exam, there is a deadline for completing the exam, and if the deadline is not met, the score for the exam will be recorded as a zero. <u>Exams may not be retaken</u>. However, if the grade on the final exam is higher than the lowest chapter exam grade, the final exam grade will replace the one lowest chapter exam grade. **<u>The final exam will replace your lowest test score .</u>**

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%

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

MyLab Math **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 online homework is usually the day before the exam. *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.

Quizzes

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.

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 <mark>one</mark> 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 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**.

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. 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. I am not responsible to send you the notes, nor will I do so.

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 or lrichardson@com.edu.

Course outline:

Week	Dates	Math 2412-102	Due Dates

1		Syllabus 4.6 Real Zeros of Polynomial Functions 4.7 Complex Zeros 5.1 Composite Functions 5.2 Inverse Functions 5.3 Exponential Functions 5.4 Logarithmic Functions 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 1 assignments are due 7/13/24 by 11:59PM
2		Review for Exam 1 **Exam 1 (4.6 – 5.8) -July 14th** 6.1 Angles and their Measure 6.2 Trigonometric Functions 6.3 Properties of Trig Functions Quiz 2 (6.2 – 6.3) 6.4 Graphs of Sine, Cosine Functions 6.5 Graphs of the Other Trigonometric Functions 6.6 Phase Shift Review for Exam 2	All Week 2 assignments are due 7/20/24 by 11:59PM
3		**Exam 2 (6.1 – 6.6) -July 21st** 7.1 Inverse Trigonometric Functions 7.2 Inverse Trigonometric Functions 7.3 Trigonometric Equations 7.4 Trigonometric Identities 7.5 Sum and Difference Formulas 7.6 Double-Angle and Half-Angle Formulas 7.7 Product to Sum and Sum to Product Formulas 8.1 Right Triangle Trigonometry 8.2 The Law of Sines	All Week 3 assignments are due 7/27/24 by 11:59PM
4		8.3 The Law of Cosines Quiz 3 (8.1 – 8.3) Review for Exam 3 **Exam 3 (7.1 – 8.3)-July 29th** 9.4 Vectors 10.2 The Parabola 10.2 The Parabola (Continue) 10.3 The Ellipse 10.4 The Hyperbola Quiz 4 (10.2 – 10.4) 11.5 Partial Fraction Decomposition 12.1 Sequences	All Week 4 assignments are due 8/3/24 by 11:59PM
5		12.1 Sequences 12.2 Arithmetic Sequences 12.3 Geometric Sequences and Series Review for Exam 4 **Exam 4 (10.2 – 12.3)-Aug 6th** 2024 Review for Final Exam **Final Exam-Aug 7th**	All Week 5 assignments are due 8/5/24 by 11:59PM

PLEASE NOTE: The syllabus is subject to change at the discretion of the instructor.
W-day for 2nd 5-week session-Aug 1st

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 5-week session is June 30. The last date to withdraw from the 10-week session is July 29. The last date to withdraw for the 2nd 5-week session is August 1.

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.