Math 2412.101C6
Precalculus
Summer 2025
MTWTh   8:00 am – 9:35 am   ST 119

Instructor Information: James Griffiths 409-933-8225 jgriffiths@com.edu

Student hours and location: MTWTh 9:45 am – 10:45 am ST325-08

Required Textbook/Materials: The textbook used in this course is Precalculus, by Michael Sullivan, 11th edition, published by Prentice Hall. The e-text is provided with *MyLabMath* through VitalSource, along with the video support and materials for doing the homework and quizzes. All these materials are available to the student on the first day of class through D2L Brightspace on the COM website. The cost of $105.25 was paid with your tuition when you registered. You will be given the opportunity to opt out of the e-text prior to census day. The problem with opting out of the e-text is that you lose access to all resources from *MyLabMath* and you will be unable to submit any of the homework assignments or quizzes, and you will fail the course. So, **do not opt out of the e-text**.

The student will need a laptop or desktop computer and internet service outside of class to gain access to the online assignments on *MyLabMath*. Computers and internet access are available on campus during specified times. A Texas Instruments TI30XIIS scientific calculator is recommended. Graphing calculators may **not** be used on quizzes or exams.

Course Description: Precalculus is an in-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

Course requirements:
Homework on *MyLabMath*: There is a homework assignment for each unit covered. Each day's homework assignments must be completed by 11:59 pm on the due date shown on the course outline in this syllabus and on the list of assignments on *MyLabMath*. The student should do the assignments as soon as possible after doing one or more of the following: reading the appropriate section

in the text book (on *MyLabMath*), watching the instructor video lecture or reading the lecture notes (on D2L), or watching the associated videos by Pearson (on *MyLabMath*). 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 the professor or the college tutoring center, or your peers. You will have three attempts to answer each homework question. Don't waste any of them.

Quizzes on *MyLabMath*: Four quizzes will be taken on *MyLabMath*. Like the homework assignments, the due dates are shown on the course outline in this syllabus and on the assignment list on *MyLabMath*. Unlike the homework assignments, the quizzes must be taken in one sitting, they are timed (the student has 60 minutes to complete each quiz), and the student gets only **one** attempt to answer each question. The quizzes may be retaken **one** time. The higher of the two grades will be used to determine the student's quiz average. If you elect to take a quiz a second time, study the material you missed before trying again.
It is important that the student read and understand the suggestions on page 2 of the Orientation Notes, concerning taking quizzes on *MyLabMath*, which can be found among the tabs for this course on D2L. Failing to follow the suggestions may cause a quiz to be terminated.

Chapter Exams: There are **four** exams which cover the chapters in the text book. The exams are taken in class on the due date shown on the course outline in this syllabus. The student has 1 hour and 35 minutes to complete each exam. **Exams may not be retaken**. However, if the grade on the final exam is higher than the lowest exam grade, the final exam grade will replace the lowest chapter exam grade.

Comprehensive Final Exam: The final exam is taken in class on the due date shown on the course outline in this syllabus. The student has 1 hour and 35 minutes to take the final exam. **The final exam may not be retaken**.

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%

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 has been completed except for The Final Exam.

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)

Late Work, Make-Up Exams, and Extra-Credit Policy:

Late Work: There is a twenty (20) percent grade penalty for all homework and quizzes submitted after the due date. Any homework assignments or quizzes that are not finished by the due date of the associated exam will be given a grade of zero at the time the exam is given.

Make-Up Exams: There are no make-up exams, unless:
1. the student notifies the instructor that they will miss the exam before the time and date the exam is scheduled, and
2. the reason for the requested make-up exam is extraordinary, such as the death of a close family member, or the student's admittance to the hospital. (Transportation problems, minor illness, or scheduled doctor appointments are not extraordinary reasons for missing an exam.)
   Students will **not** be permitted to make up more than **one** exam.

Extra Credit: Three points extra credit is given on exams if the student earns a score of **100** on the review. Extra-credit assignments may also be given throughout the course at the discretion of the instructor. The total extra credit points for any exam may not raise an exam grade above **100**. Extra credit is never given at the end of the semester to bring up a grade. Don't even ask.

Attendance Policy: Students at COM are expected to attend and participate in every session of all classes for which they are registered. College of the Mainland recognizes no excused absences other than those prescribed by law. Students with excessive absences will be referred to Student Services. Students should consult information provided in MyLab Math and the course calendar when it becomes

necessary to miss a class to be prepared when they return to class. The student is still responsible for work that is assigned during an absence and due dates still hold.

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. The **preferred** method of communication in this course is in person. If that is not possible, an email or phone call will be satisfactory, but do not leave a message on my phone. If you cannot reach me by phone, email me. Be sure to include your name, the course in which you are enrolled, and state your question completely.

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	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 of *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 Mr. Leslie Richardson, Math Department Chair, at 409-933-8329 or lrichardson@com.edu.

Course Outline:

Week	Date	Sections Covered
1	6/2	Orientation Exercises Due 6/4
		4.6 Real Zeros of Polynomial Functions Due 6/4
	6/3	4.7 Complex Zeros Due 6/5
	6/4	5.1 Composite Functions Due 6/6
	6/5	5.2 Inverse Functions Due 6/7
2	6/9	5.3 Exponential Functions Due 6/11
	6/10	5.4 Logarithmic Functions Due 6/12
	6/11	5.5 Properties of Logarithms Due 6/13
		Quiz 1 (5.3 – 5.5) Due 6/13
	6/12	5.6 Exponential and Logarithmic Equations Due 6/14
3	6/16	5.8 Applications Due 6/16
		Review for Exam 1 Due 6/17 (beginning of class)
	6/17	**Exam 1 (4.6 – 5.8)** Due 6/17
	6/18	6.1 Angles and their Measure Due 6/20
		6.2 Trigonometric Functions Due 6/25
	6/19	HOLIDAY

4	6/23	6.2 Trigonometric Functions Due 6/25
		6.3 Properties of Trig Functions Due 6/25
		Quiz 2 (6.2 – 6.3) Due 6/25
	6/24	6.4 Graphs of Sine, Cosine Functions Due 6/26
	6/25	6.5 Graphs of the Other Trigonometric Functions Due 6/27
	6/26	6.6 Phase Shift Due 6/28
		Review for Exam 2 Due 6/30 (beginning of class)
5	6/30	**Exam 2 (6.1 – 6.6) Due 6/30**
	7/1	7.1 Inverse Trigonometric Functions Due 7/4
	7/2	7.2 Inverse Trigonometric Functions Due 7/4
	7/3	7.3 Trigonometric Equations Due 7/9
6	7/7	7.3 Trigonometric Equations Due 7/9
	7/8	7.4 Trigonometric Identities Due 7/10
	7/9	7.5 Sum and Difference Formulas Due 7/11
	7/10	7.6 Double-Angle and Half-Angle Formulas Due 7/12
7	7/14	7.7 Product to Sum and Sum to Product Formulas Due 7/16
	7/15	8.1 Right Triangle Trigonometry Due 7/17
	7/16	8.2 The Law of Sines Due 7/18
	7/17	8.3 The Law of Cosines Due 7/19
		Quiz 3 (8.1 – 8.3) Due 7/19
		Review for Exam 3 Due 7/21 (beginning of class)
8	7/21	**Exam 3 (7.1 – 8.3) Due 7/21**
	7/22	9.4 Vectors Due 7/24
	7/23	10.2 The Parabola Due 7/25
	7/24	10.3 The Ellipse Due 7/26

****** **The last date to withdraw is Tuesday, 7/29/2025 ********

9	7/28	10.4 The Hyperbola Due 7/30
		Quiz 4 (10.2 – 10.4) Due 7/30
	7/29	11.5 Partial Fraction Decomposition Due 7/31
	7/30	12.1 Sequences Due 8/1
	7/31	12.2 Arithmetic Sequences Due 8/2

10	8/4	12.3 Geometric Sequences and Series Due 8/4
		Review for Exam 4 Due 8/5 (beginning of class)
	8/5	**Exam 4 (10.2 – 12.3) Due 8/5**
	8/6	Review for the Comprehensive Final Exam Due 8/7
		(beginning of class)
	8/7	**Comprehensive Final Exam Due 8/7**

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 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 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.