

Student Course Information Sheet**I. COURSE DESCRIPTION:**

MAC 2233: Calculus for Business and Social Science I, 3 lecture hours, and 3 credit hours.

Prerequisite: Math placement test or minimum grade of "C" in MAC 1105.

Topics included are limits, continuity, derivatives, and the differential, with applications to graphing, rate of change and optimization methods; integration, applications to business and social sciences, and an introduction to multivariate calculus.

II. TEXT: Calculus and Its Applications, 11th edition, by Bittinger and Ellenbogen, 2012, Addison-Wesley, Pearson Education, Inc.

III. OTHER MATERIALS: A graphing calculator **is required**. The TI is recommended.

IV. STUDENT LEARNING OUTCOMES:

Upon completing the course the student should be able to:

1. Evaluate limits, derivatives, indefinite integrals and definite integrals graphically, algebraically and using formal definitions
2. State and apply basic definitions, properties, and theorems
3. Analyze and sketch graphs of functions using the principles of Calculus
4. Choose and apply appropriate differentiation and integration techniques
5. Solve applied problems using differentiation (single – multivariable functions) and integration (single variable functions)

VI. COURSE OUTLINE: The material covered is given in Chapters 1, 2, 3, 4, 5, and 6. See attached daily class schedule for a detailed outline.

VI. ATTENDANCE-WITHDRAWAL-GRADE FORGIVENESS-ATTEMPTS:**A. Attendance Policy:**

Students who are absent from class more than one eighth of a course without the instructor's permission shall be withdrawn. Students who never attend during the first two weeks of class shall be classified as "no show" and withdrawn from the course.

B. Withdrawal Policy:

Two withdrawals are permitted per course. After that, a grade will be assigned. Please be concerned about withdrawals. When admitting students into certain programs, universities may calculate a withdrawal as an F.

1. Student Withdrawal (Student cannot initiate withdrawal after Withdrawal Date)

Student completes a withdrawal form and submits the form to the Office of Admissions and Records prior to the withdrawal date.

2. Administrative Withdrawal

Students wishing to be withdrawn should withdraw themselves by the deadline. Effective Fall 2013, instructors will not issue withdrawals after the deadline. A grade will be assigned for students who have not withdrawn. If there are extenuating circumstances, a student may appeal to Dr. Melissa Lavender, VP of Student Affairs.

VII. **HOMEWORK:** Homework will be assigned daily.

VIII. **TESTING:**

There will be four (4) unit tests. The test will be announced in advance, will count equally, and will be returned. The final exam **will not** be returned. There are **no exemptions** from the final exam. At the option of the instructor, "pop-quizzes" may be given almost daily and/or group activities and/or a homework notebook. The average of the daily grades will count as an additional unit test. Therefore, the number of grades counted as a unit test may be four or five (4/5). The student is expected to keep up daily with the assigned work.

IX. **GRADING:**

The average of the four or five (4/5) unit tests and the daily average (quizzes, homework, etc) will count 75% of your grade. A comprehensive final exam (no exemptions) will count 25% of your grade. The college catalog will be used to convert the numerical average to a letter grade. The Mathematics Division grading scale is: A (100-90), B (89-80), C (79-70), D (69-60), and F (59-0).

X. **MAKE-WORK:**

No daily quizzes or homework will be made up. At the discretion of the instructor, a missed unit test may be replaced by your final exam grade. If you miss more than one unit test, you may take a make up test at the discretion of the instructor. If you have not missed any unit tests, the final exam grade may be used to replace the lowest unit test grade, at the discretion of the instructor. **The quiz/homework grade will not be replaced by the final exam grade.**

XI. **Available Help:**

A. **Your Instructor** – See your course Daily Schedule for contact info and/or office hours.

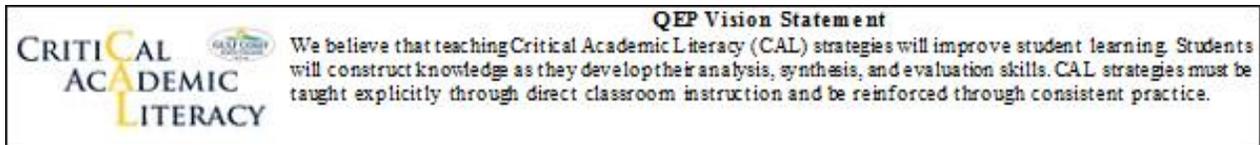
B. **Math Lab** - Visit <https://www.gulfcoast.edu/current-students/academic-divisions/mathematics/math-lab/> for more information, including hours of operation.

C. **Online Course Videos** – Available via Canvas.

XII. **American Disability Statement:**

Disability Statement
Gulf Coast State College supports an inclusive learning environment for all students. If there are aspects of the instruction or design of this course that hinder your full participation, reasonable accommodations can be arranged. Prior to receiving accommodations, you must register with Disability Support Services. Appropriate academic accommodations will be determined based on the documented needs of the student. For information regarding the registration process, email dss@gulfcoast.edu or call 850-769-1551, Ext. 6071.

XIII. QEP Vision Statement



XIV. CLASSROOM CONDUCT POLICY OF THE DIVISION OF MATHEMATICS GULF COAST STATE COLLEGE

In order to promote a learning environment in which you as a student may receive the greatest consideration, we will do all we can to prevent unnecessary interruptions and class disruptions. To this end, it is the stated policy of the Division of Mathematics that disruptions, absolutely and unequivocally, will not be tolerated in the classrooms administered by this division. To this end, we remind you that the **instructors are obligated** to adhere strictly to the following policies:

1. Everyone is required to be in class on time.
Anyone entering the classroom after the instructor has begun class is late and is a disruption to the class. The instructor must implement an appropriate policy to discourage late arrivals.

2. The student must have prior consent of the instructor before leaving the class early.

If you must leave class early, notify the instructor before the beginning of class. We do not conduct “open” classrooms where individuals may arrive and exit at their discretion. This activity is disruptive to those trying to learn and will not be allowed. If you leave early without prior notification to the instructor, you will not be allowed back in the classroom without first obtaining permission from Mrs. Reynolds, Division of Mathematics Chair.

3. The instructor is not to allow talking or other distractions to occur at inappropriate times.

Talking or other disruptive behavior (including pagers and ringing cell phones) is a distraction to other students and has no place in a college environment. Students who engage in such behavior will be asked to stop. If the behavior continues, the student will be asked to leave and confer with Mrs. Reynolds, Division of Mathematics Chair, concerning the nature of the behavior before being allowed back in the classroom.

4. No food or drink is allowed in the classroom.

5. There will be no usage of electronic communication devices (including, but not limited to, cell phones, iPods, PDAs, MP3/Music players, Blackberries, etc.) allowed in the classrooms.

6. Infractions of discipline may be handled by the instructor as final authority.

The student has a right to appeal.