MAC 2313   CALCULUS WITH ANALYTIC GEOMETRY III   2014-2015
STUDENT COURSE INFORMATION SHEET

I.   COURSE DESCRIPTION:
MAC 2313: Calculus with Analytic Geometry III, 4 lecture hours, and 4 credit hours.
Prerequisite: Minimum grade of "C" in MAC 2312.
Topics included: three-dimensional space, vectors, vector-valued functions, partial derivatives, and multiple integrals.

II.   TEXT: Calculus ETF, Larson/Edwards, 5th edition, 2011, Cengage.

OTHER MATERIALS: A graphing calculator is **required**. TI-83 or TI-84 recommended. These are the only calculators that will be allowed on test days.

III.   GENERAL COURSE OBJECTIVES:
Students will:
- Demonstrate a basic understanding of properties and applications of vectors
- Solve problems involving vector-valued functions
- Find arc length and curvature
- Demonstrate an understanding of partial derivatives and their applications
- Evaluate multiple integrals

IV.   COURSE OUTLINE: Chapters 11-15 in textbook. Detailed outline in daily schedule.

V.   ATTENDANCE AND WITHDRAWAL POLICIES
   A.   Attendance Policy:
   Students are expected to attend class every day. Roll will be taken daily.

   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   Students wishing to be withdrawn should withdraw themselves by the deadline.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 A grade will be assigned for students who have not withdrawn.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.

   C.   Grade Forgiveness:
   A student may repeat a course when a grade of "D" or "F" has been earned. The last grade counts. However, universities may count forgiven grades in calculating the grade point average. Forgiven grades may also be calculated in determining financial aid eligibility.

   D.   Attempts:
   This course, which is a college credit course, may be attempted three times. On the third attempt, 100% of the full cost of instruction will be charged. Students with major extenuating circumstances may submit a letter of appeal stating the circumstances to the VP of Student Affairs. All grades from the third and subsequent attempts will be calculated in the grade point average.

VI.   HOMEWORK:
Homework will be assigned daily. The daily completion of all homework is essential for learning the material in the course and as preparation for the examinations.

VII.   TESTING:
There will be four or five (4 or 5) unit tests and a final exam. The unit tests 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, unannounced "pop-quizzes", graded homework, or group activities may be given. If so, the average of the grades will count as an additional unit test. Therefore, the number of grades counted as a unit test may be five or six (5 or 6). The student is expected to keep up daily with the assigned work. **Although a graphing calculator is required for this course, The student will be expected, at times, to demonstrate mastery of differentiation and integration techniques without the use of a calculator.**

VIII.   GRADING:
A comprehensive final exam (no exemptions) will count 25% of your grade. The Mathematic Division's grading scale will be used to convert the numerical average to a letter grade. The grading scale is: A (100-90), B (89-80), C (79-70), D (69-60), and F (59-0)

IX.   MAKE UP WORK:
No daily quizzes will be made up. If you miss a unit test and you have a valid excuse, the instructor has the option to use your final grade in the place of the first missing unit test 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 instructor may opt to replace the lowest unit test grade with the final exam grade.

X.   OTHER:
Studying requires discipline, tenacity, and hard work. View this course as a job. Attendance is absolutely necessary, as well as attentiveness to detail and alertness. You must earn a "C" in this course in order to receive credit.

A.   Available Help:
1.   Your Instructor
Full time faculty have posted ten (10) hours per week on their schedule. Their offices are located in Student Union West (SUW) 2nd floor. Adjunct faculty are available for assistance 30 minutes before or after class. Students having difficulty are strongly encouraged to see the instructor for additional help.

2.   Specific Course Objectives
Specific Course Objectives are available upon request. These objectives are posted on the Mathematics' Web Site. Ask your instructor how to obtain a copy.

3.   Communication Through Angel
Students should be encouraged to e-mail one another through Angel and organize study groups in public locations. Do not encourage students to invite people they do not know well to their homes.

XI. **CLASSROOM CONDUCT POLICY**
OF THE
DIVISION OF MATHEMATICS
GULF COAST COMMUNITY 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, <u>absolutely and unequivocally</u>, 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. <u>Everyone is required to be in class on time</u>.
    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. <u>Disciplinary action in the case of cheating will be administered in accordance with college policy</u>.

3. . <u>The student must have prior consent of the instructor before leaving the class early</u>.
    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.

4. <u>The instructor is not to allow talking or other distractions to occur at inappropriate times</u>.
    <u>There will be **NO usage of electronic communication devices**</u> (including, but not limited to, cell phones, Ipods, PDA's, MP3/Music players, Blackberries, etc) allowed in the classroom. Talking or other disruptive behavior (texting, ringing or vibrating cell phones, etc.) are distractiing to other students and have no place in a college environment. Students who engage in such behavior will be asked to stop. If the behavior continues, the student(s) 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.

5. **No food or drink** <u>is allowed in the classroom</u>.

6. <u>Infractions of discipline may be handled by the instructor as final authority</u>.
    The student has a right to appeal.

XII. **Americans with Disabilities Statement:**
Any student who feels he or she may need an accommodation based on the
impact of a disability should contact the Office of Disability Support Services
at (850) 872-3834 or in SUE 59. The Office of Disability Support Services will
coordinate reasonable accommodations for students with documented
disabilities.

XIII. **QEP Vision Statement:**
We believe that teaching Critical Academic Literacy (CAL) strategies will improve
student learning. Students will construct knowledge as they develop their
analysis, synthesis and evaluation skills. CAL strategies must be taught explicitly
through direct classroom instruction and be reinforced through consistent
practice.

XIV. **Pay for Print:**
Pay4Print is installed in all computer labs and in the library. The logon to the
system can be found on the Oasis homepage, and will be the same logon ID
as the student email, using only the initials and randomly generated number.
(You may also access the information by going to www.gulfcoast.edu and
clicking on Student Resources and then on Pay4Print.) Students will be required
to add money to their print accounts before they are able to print. In labs where
students are paying a lab fee, students will not be required to pay for print in
those labs during class time. Money can be added to student print accounts by
credit or debit card with a minimum of $5.00 or at patron kiosks or bill acceptors
on the Panama City campus at the third floor Library Circulation Desk, the lobby
of the Technology Building, and the lobby of the Student Union West Building
outside the bookstore. Bill acceptors are also located at the Gulf Franklin Center
in room B108, at the Tyndall AFB Center in room 34, and at the North Bay
Center in the EOC student break room. Black and white copies will be 5¢, and
color copies will be 20¢. There will be no refund on any portion of unused
prints.