Course Info

Description: Multivariate calculus including vectors, vector-valued functions, partial differentiation, multiple integration, and an introduction to vector fields.

Prerequisites: Grade of C or better in MAT 230 or equivalent.

Attendance: You are expected to be in class daily and to show up on time. If you are more than 5 minutes late, it will count as an absence. Your group members are counting on you to be in class and prepared to work. It is your responsibility to keep up with course work when you miss class.

Withdrawal: It is your responsibility to officially withdrawal from the course. You will receive a grade of F if you do not.


Group Work: You will work with a group every week in and out of class. If you do not like working in a group or participating in class and out of class discussions, this will be a problem.

Important Dates

Quiz Dates: Fridays/Weekends
Midterm: Oct. 20
Final: Dec. 17

Group Quiz: on weeks starting
Sept. 8, Sept. 22, Oct. 6, Nov. 3, Nov. 17, Dec. 1

No Classes
Sept. 1 (Labor Day), Nov. 11 (Veteran’s Day), Nov. 27, 28 (Thanksgiving)

Instructor Info

Frank Rivera
MA—191
623-845-3716
Email: frank.rivera@gccaz.edu
Webpage: web.gccaz.edu/~FRAFU39111

Office Hours
M–F 9:00–9:50 am
Online
M–Th 9:00–9:50 pm
Or by appointment

Course Details

- Section # 19114
- M–F 10:00–10:50 am
- MA—102
- Text: Calculus Early Transcendental Functions 5th Ed., Larson/Edwards
- WebAssign: Optional. The course ID: gc.maricopa 8964 0843
- Calculator: You will need a graphing calculator. TI–83, TI–84, or TI 86 should be okay. However, some quizzes and tests will be done without a calculator. We will be using Maple at times or Wolfram Alfa

Course items may change to accommodate the needs and interests of the class.
Course Grading Material

Quizzes: There are 8 scheduled in-class quizzes. Each is worth 50 points. I will drop your lowest quiz score at the end of the semester. NO MAKE-UP quizzing is allowed, but you can take a quiz early if needed. Let me know ASAP if you need an early quiz.

Midterm: The midterm is worth 100 points. NO MAKE-UP will occur, but you can take it early if needed. Let me know ASAP if you need an early midterm.

Canvas Discussion: Each week, you will carry on group/class discussion on Canvas. I am looking for things such as frequency, relevance, and depth of discussion about math. It is a great place for me to observe who is understanding material, who is doing their HW, who is participating. Each week will be worth 10 points.

Final: The final will be cumulative and I will use the grades that result from the final to determine the final letter grades for the course. Hence, to get a grade for the course, you have to take the final. Furthermore, to be eligible to take the final, you need a 50% average on all graded material (no extra credit) prior to the final. If you do not take the final, you will be given a grade of F for the course. The final will be worth 800 points. If you have a 90% on all graded material (no extra credit) prior to the final, you are exempt from the final. (You earned an A for the course)

Group Points: How you earn group points will be covered on another handout called “Group Dynamics”.

Course Grades: Your final grade will be determined using two different options. You will earn the grade that is the highest from either option.

OPTION 1: For all course points, grades will be based on the following percentages

A) 90%—100%  B) 80% - 89.9%  C) 70%—79.9%  D) 60% - 69.9%

OPTION 2: Individual Class Ranking and Class Performance on the final

For this option, all points earned in the course will determine a class ranking. I will then use the letter grades from the final to split the class into two categories. The first group will be those who passed the final with a C or better. The second group will be those who did not get a C or better. The number of A’s, B’s, C’s, that I get on the final will be applied to the ranking in the first group, and the number of D’s and F’s to the second group. I will assign grades on the Final according to this scale:

A) 88%—100%  B) 76% - 87.9%  C) 64%—75.9%  D) 52% - 63.9%

Lecture and HW Expectations Understanding is being able to apply what you have learned to new situations and problems.

I will not be collecting HW from you on a regular basis this semester. You are responsible for practicing the material that we are learning in class. The better you get at doing your HW, the more prepared you will be for class discussions, quizzes, midterms, and the final. It is obvious to me and your group members if you are not doing your HW. Don’t be the person who is constantly dragging your group down by being unprepared for class every day. Keep up with your notes and HW everyday!

I will not be going over HW in class. You do have 5-10 minutes at the beginning of every class period to go over HW questions with your group. I will be “floating” around helping where I might be needed.

Lecture time will be predominately used to introduce more material and to discuss class topics in more detail. Be prepared to learn each day.

If you have a disability that could impact your class work and for which you may require accommodations, you need to notify the Disability Services and Resources office, located in TDS 100. Their number is 845-3080.