

COURSE INFORMATION      Location:            MTH 217  
                                 Class Times:        TR 09:30-10:45  
                                 Instructor:         Dr. Karl Frinkle  
                                 Office:             MTH 112  
                                 Office Hours:      MWF 10:00-12:00, TR 11:00-13:00, or by appointment  
                                 Office Phone:      (580)745-2028  
                                 E-mail:            kfrinkle@se.edu  
                                 Website:           http://carmine.se.edu/kfrinkle

TEXT                      *Calculus and Its Applications* (9th Edition),  
                                 by M. Bittinger and D. Ellenbogen  
                                 ISBN # 9780321395344

COURSE OVERVIEW      In this course, we will develop mathematical tools which are used widely and regularly in many areas of science and everyday life. Some of these areas include Business, Economics and the Social Sciences. We will discuss the many aspects of these mathematical concepts and how they are used in the aforementioned settings.

As a general education course, this course will satisfy the goal of the mathematical or quantitative reasoning component of general education: to develop the ability of students to understand and apply mathematical abstraction. As such, students will (1) solve problems using the principles of algebra or symbolic logic; (2) apply mathematical reasoning to analyze and interpret quantitative information; and (3) use and interpret mathematical formulas.

COURSE OUTLINE        A brief review of functions will be covered first in chapter R, followed by an introduction to differentiation and integration along with their respective applications in the sciences which covers the next 5 chapters. Given time, we will also cover chapter 6, which covers functions of several variables.

POLICIES                Given the nature of this class, attendance is critical. Some of the material discussed in class will not come from the textbook. As a result, if you miss class, it will hurt your grade.

Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued.

You will not be able to make up a quiz or test or receive credit for any other assignment which you missed the deadline for unless you notify me ahead of time. If you are going to miss a class, please let me know ahead of time, and I will ensure that you can take a quiz early, or make it up afterwards if one is to be given that day. The same goes for homework and projects.

All cell phones, pagers, CD/MP3 players, laptops, calculators and other such devices must be turned off and put away before class begins. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

If you are caught using a cell phone or any other electronic device during class, your final grade will be dropped by **one letter grade per incident**.

I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope).

## GRADES

Your final grade will be based upon the following items

- 30% - Quizzes - given randomly, without warning
- 35% - Hand-in Homework - about once a week
- 10% - Class participation - interaction during class
- 25% - Final Exam - exam covering all of the material from the semester

## IMPORTANT DATES FOR SPRING 2009

- 2009.01.14 - Classes begin
- 2009.01.21 - Last day to add a class
- 2009.01.21 - Last day to drop a class with no grade record
- 2009.01.21 - Last day to drop a class with refund/no charges
- 2009.03.11 - Last day to drop a class with automatic W
- 2009.04.01 - Last day to complete final application for graduation
- 2009.04.16 - Last day to drop a class
- 2009.05.15 - Classes end

## SPECIAL ACCOMMODATIONS

Any student needing special accommodations due to a disability should contact the Coordinator of Student Disability Services, Student Union, Suite 204 or call (580) 745-2254 (TDD# 745-2704). It is the responsibility of each student to make an official request to the Coordinator for accommodations.