

MAT 203, Multivariable Calculus, FALL 2007

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Office Hours: DUNN N102 MW 1:30-2:20
and Math Center T 2:30-3:45

Class meetings: MWF 12:30-1:20 TOLL SG10

Text: *Essential Calculus*, by James Stewart

Overview: The purpose of this course is to dive further into calculus by examining functions of multiple variables. In particular we will be focusing on functions of higher dimensions. This process starts by understanding something simple like: how to formulate a line in arbitrary dimensions. A function of several variables may represent lines, but it may also represent other complex shapes and surfaces. Using multivariable calculus we can find volumes, curves of steep ascent and descent and a variety of other useful information.

Topics: We will cover parametric equations, vectors, and vector operations. We will also cover the calculus of multiple variables occurs in the form of partial derivatives and multiple integrals

Advising: MAT 201 and MAT 202 are prerequisites for MAT 203.

Exams: Tentative exam dates are: 9/24, 10/24, 11/28. The final exam will be administered during its scheduled slot during final exam week. An absence on the day of the exam will result in a grade of 0. Except in cases of very extreme emergency, exams must be taken on the day the exam is given. Before a make-up test is scheduled, documentation of the extreme emergency must be given. Make-up exams for tests missed due to an extreme emergency will be arranged for a time that is mutually convenient for the student and Dr. Ramsey.

Attendance: Attendance is mandatory in this course. On your seventh absence, you automatically fail the course. As a matter of courtesy, you are

expected to notify Dr. Ramsey before class describing the reason of your absence. You must be present on the day of an exam or you will receive a 0.

There is no distinction between excused and unexcused absences. It is quite likely that I will email you to discuss the reasons you have missed the class, but it is ultimately your duty to keep track of your absences and to contact me. Missing a class may result in missed classwork and/or quizzes. There are no make-up quizzes or classwork. It is your responsibility to obtain assigned homework, announcements and class notes from a classmate.

Grading: Each exam (and the final) is worth 20% of your final grade. Homework, classwork and quizzes are worth the last 20% of your grade. Late homework will receive a grade of 0. Homework is due by the beginning of class on the day it is due.

Academic Honesty: You are always subject to the Honor Code of Washington College. Always sign the honor code on materials that you hand in to me. All work must be your own.

Accommodations: If you have an accommodation that has been reported to the college, please let me know as soon as possible so I can work to meet your accommodation.

Suggestions: Get into a group. You may point out errors in others homework, but all work must be of your own creation. Visit the math center! Make sure to use the resources.