

MTH 1251

Fall 2009

Instructor: Andrew Carroll
537 (NI)ghtengale Hall
email: carroll.a@neu.edu
Office Hours: MW 10 -11am; Th 9-10am

Text: Goldstein, Lay and Schneider
Calculus and its Applications
11th edition (and other assorted materials)

Course Description:

MTH U 1251 is the first semester of the two semester Calculus, Differential Equations and Linear Algebra Sequence for Biology Majors. The course will cover the first four or five chapters of the “text” roughly as a (re)introduction to Differential Calculus. This will lead quickly to Differential Equations commonly encountered by biologists, which form the main body of the course. This is a very *different* “Mathematics for Biologists” course. As such, there is no text that explicitly covers this assortment of material, so it will be important for you to keep up with the materials offered on Blackboard as well as the book assignments (there is homework from both sources).

Prerequisites:

YOU MUST KNOW HIGH SCHOOL ALGEBRA LIKE THE BACK OF YOUR HAND!
You will be given a diagnostic test on the first Monday of class. It is VERY important that you take this quiz so that it can be determined if you are in the right level for your experience. If you are weak on this test, it will be suggested that you move to either MTH 1241 or an appropriate precalculus course.

Grading: The grading will consist of weekly to bi-weekly quizzes, a final exam, and some flexibility for class participation and homework with the following scale:

Quizzes	~50%
Final Exam	~50%
Participation/Homework	~10%

Homework: You are practically grown-ups at this point, so act like it. You should do all of the homework assigned, despite the fact that I may never collect it (I reserve the right to check it at random for participation).

Class Participation: Attendance is not required, but keep in mind that the class will move very quickly, so it would be ~~unwise~~ stupid to miss class frequently. Even if you have seen calculus before, you have not seen all of this material.

Quizzes: There will be no make-ups of quizzes with the exception of well-documented medical excuses.

Tutoring: 540B Nghtengale Hall starting Sept. 18--MTW 10am-9pm; Th 10am-6pm; F 10am-1pm

Calculators: You need to have a calculator that has the “sin” or “sine” function on it. A graphing calculator is neat, and possibly useful, but not necessary,

