

MTH U151

Fall 2006

Calculus and Differential Equations for Biology I

“Text”: Calculus and Its Applications 10th ed., by Goldstein, Lay, and Schneider (& other material to be handed out)

Instructor: Rung-Tzung Huang Email: huang.r@neu.edu office Phone Ext: 5234
Office: 534 Nightingale Hall Office Hours: MWTh 3:00-4:00 Pm

Course Description: MTH U 151 is the first semester of the two semester Calculus and Differential Equations sequence for Biology Majors. The course will cover the first four or five chapters of the “text” (roughly) as an introduction (or reintroduction) to Differential Calculus, in order to get quickly into Differential Equations commonly used by biologists, which form the main body of the course. This is a totally innovative “Mathematics for Biologists” course, which explains the use of quotes around the word text. There just is no book yet doing what we want to do at the level we need. Goldstein *et al* is mainly there as a security blanket as the course will rely heavily upon material that will be distributed to you.

Prerequisites: YOU MUST KNOW HIGH SCHOOL ALGEBRA!!! If you are weak in this area, you should consider MTH U121.

<u>Grading</u> :	Quizzes	50%
	Final	50%
	Class Participation, Homework, etc.	10%

Homework: You’re old enough to do this without my collecting it and checking up on you. You are responsible for having done the problems at the end of the section discussed in last class, even if I don’t specially assign them. Discussion of the homework will form the first part of the class.

Class Participation: Encouraged but not required. All cell-phones must be turned off; and if you are late, try not to disrupt the class. If, for some reason, you must leave early, let me know beforehand.

Quizzes: Expect a quiz each week, mostly likely at the beginning of Thursday’s class. There will be no make-ups. Excuses are only for documented, severe medical problems.

Tutoring

Math. Dept: (provisional schedule)

540B Nightingal Hall starting Sept 19

M T W 10:00 am-9:00 pm

Th 10:00 am-6:00 pm

F 10:00 am-1:00 pm

Snell Library

Peer Tutoring Center
Snell Library 2nd Floor
373-2150

Calculators

A calculator with a “sin” button is required. A graphing calculator is useful but not required.

Closing remarks: PLEASE DO NOT FALL BEHIND.

If you have a problem that I can't resolve, you may see our course coordinator, Professor S. Blank, 535LA, x5644, blank@neu.edu. If he can't resolve, please contact Professor A. Martsinkovsky (undergraduate Director), 471LA, x5510, alexmart@neu.edu.

“All students without legitimate conflicts will take the final exam at the scheduled time. Do not make travel plans that conflict with the final exam.”

“It is your responsibility to be aware of any changes the instructor may make to the syllabus as they are announced in class. Students are responsible for all information given when they are absent.”

“It is University policy that no grade, including an incomplete, can be changed after one year. Exceptions must be authorized by the Academic Standing Committee.”