

# MTH U151

Professor:  
Sandy BLANK  
535 LAke  
Conference hours:  
MWΘ 11:45 535LA (and by appointment)

“Text”:  
Goldstein, Lay & Schneider  
Calculus and Its Applications  
11<sup>th</sup> edition  
(& other material on BlackBoard)

## 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 (and I do mean roughly) as a (re)introduction 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.

## Prerequisites:

**YOU MUST KNOW HIGH SCHOOL ALGEBRA COLD!** If you are weak in this area you'll be better off in **MTH U121**. If you have had no calculus at all and feel unsure about your math skills you you'll be better off in **MTH U141**.

<u>Grading:</u>	Quizzes	~ 50%
	Final	~ 50%
	Class Participation, Homework, Neatness, Brownie Points 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 specifically assign them. Discussion of the homework will form the first part of the class.

Class participation: Encouraged but not required.

Don't feel bad about coming in late, just try not to disrupt the class. If for some reason you must leave early see me before class, no other early departures will be tolerated with the exception of severe (= life-threatening) medical problems.

All cell-phones must be turned **off**. Points will be deducted for each time your phone rings in class.

The university thoughtfully provides wastebaskets in the classroom for you to use **before** and **after** class, **not during**.

Quizzes: There will be no make-ups. Excuses only for documented, severe (see definition above) medical problems. Quizzes will be every other week or so and will be on one sheet of paper. (A typical sheet of paper has two sides: the “front” and the “back” and four edges: “top”, “bottom”, “left” and “right”. You are responsible for checking whether there are questions on the back - there will be no questions on the edges). There will be no make-ups.

## **Tutoring**

(provisional schedule)

Math. Dept:

540B Nightingale Hall starting Sept 18

M T W 10:00 - 9:00

Th 10:00 - 6:00

F 10:00 - 1:00


Snell Library

Peer Tutoring Center

Snell Library 2<sup>nd</sup> Floor

373-2150

## **Calculators**

A “sin” calculator (that is one with a button marked  ) is required.

A graphing calculator is useful but not required

Closing remarks: Don't fall behind. If you do, you're roadkill.