

MTH 1251

Instructor: Andrew Keeley

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Office Hours:

MWTh 9:15 – 10:15 AM

Class meets in 411 RB

MWTh 8:00 – 9:05 AM

“Text:”

Goldstein, Lay & Schneider

Calculus and Its Applications

11th Edition

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, 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 fell unsure about your math skills you’ll be better off in MTH U141.

Grading:

Quizzes: 50%

Final: 50%

Class Participation, homework, neatness, and attendance will also be counted and can improve or reduce a grade.

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 class, even if I don’t specifically assign them. Discussion of the homework will form the first part of the class each day.

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 issues.

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

Quizzes:

If you will be unable to attend class the day of a quiz, please make arrangements with me beforehand. If you do not, I will require an authorized doctor's note stating that your absence was medically necessary, or else there will not be a make-up quiz.

Tutoring:

Tutoring is available to all students, provided free of charge by the math department. The hours this semester will be Mon-Wed 10am-9pm, Thurs 10am-6pm and Fri 10-1. The full schedule will start Monday, Sept 21. The tutoring center is located on the 5th floor of Lake Hall.

Calculators:

You are required to bring a calculator to class. A graphing calculator is preferred, but a scientific calculator is acceptable so long as it can perform trigonometric, logarithmic and exponential functions.

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.

If you have a concern about the course or the instructor that is not or cannot be resolved by speaking with the instructor, the next step is to speak with the course coordinator (Dr. Sandy Blank, Office 535 LA). If the course coordinator does not settle the matter, contact Professor S. Jekel (Undergraduate Advisor), 525 LA x5639, jekel@neu.edu

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.

All students without legitimate conflicts (approved by the instructor) will take the final exam at the scheduled time. Do not make travel plans that conflict with the final exam. You can check www.northeastern.edu/registrar/finexsched.html for the dates and times of your final exams. As of the time of this printing, exam times for this semester are not available.