Math 241: Calculus IV

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The Course

General description: This is the fourth semester of Calculus, it covers topics connected with the problems of solving partial differential equations, and ideas for representing functions in terms of orthonormal bases. The textbook this semester is: Richard Haberman's *Applied Partial Differential Equations with Fourier Series and Boundary Value Problems*, 5th Edition 2012, published by Pearson/Prentice Hall.

The main web page for the course can be found at [http://www.math.upenn.edu/ugrad/calc/m241/](http://www.math.upenn.edu/ugrad/calc/m241/). Here you will find the core problems, as well as links to the various resources we offer to help you do well in this course. Much useful information can also be found at [http://www.math.upenn.edu/ugrad/Undergrad.html](http://www.math.upenn.edu/ugrad/Undergrad.html).

Homework and Quiz (25%): Problem sets will be assigned most weeks on **Tuesday**, due the following week on **Tuesday in the lecture**. The problem sets are assigned in class and I will send an email each Tuesday about the same information just in case. Each problem set will have several problems, and three of them will be graded. Every Thursday, we will have a short quiz.

Exams (75%): We will have 1 midterm and 1 final exams(in-class) during the 6-week program. The schedule for these exams (with approximate content) is:

- midterm, Thursday, June 6th, 1:00-3:10PM
- Final exam, Thursday, June 27th, 1:00-3:10PM

A doctor's note will be *required* in order to be considered for a make-up exam. The midterm and final exams together count for 75% of your final grade. (midterm 30% and final 45%)

Support: I will hold regular **office hours** on every **Wednesday** after class from 3:10PM to 5PM. The department provides many opportunities for help with this course. Besides myself, you can find help through the calculus **help-page** at [http://www.math.upenn.edu/ugrad/calc/help/help.html](http://www.math.upenn.edu/ugrad/calc/help/help.html). The department maintains the **Math Help Sessions** for Summer I held Monday through Thursday from 9am to 1pm. The sessions are being directed by **Sebastian Moore** and are located in 4C8 DRL.

- The class meets on MTWTh from 1:00-3:10PM.
- Quiz and problem set grades will be posted on **BlackBoard**.
- Contact me by e-mail for an appointment if you cannot come during my office hours.