

## MATH 5A SYLLABUS

**Instructor:** John Cloutier

**Office:** South Hall 6431K

**Office Hours:** Monday - Friday 12:10pm-1:10pm

**E-mail address:** john@math.ucsb.edu

**Course webpage:** <http://www.math.ucsb.edu/~john/math5a/>

**Textbook:**

*Differential Equations & Linear Algebra* by Farlow, Hall, McDill, and West

**Course Description:** This course is the second half of the two quarter sequence on linear algebra and differential equations. We will cover chapters 4, 5, and 6 in the text (although not in that order), possibly more if time permits. Topics include linear transformations, second order linear differential equations, eigenvalues and eigenvectors, and linear systems of differential equations.

**Homework and Exams:** Homework will be assigned at the end of each lecture and will be due each Friday in class. Homework will also be posted on the course webpage. There will be two midterms and a final exam. The dates for the exams are as follows:

- Midterm 1: Friday, August 18
- Midterm 2: Friday, September 1
- Final: Friday, September 15

**Grading:** The grades will be broken down as follows:

- Homework = 10%
- Midterm 1 = 25%
- Midterm 2 = 25%
- Final = 40%