**Instructor:** Carolyn Abbott
Office: 735 Evans
Office hours: Tuesdays 1-3 pm and Wednesdays 1-2 pm
Email: c_abbott@math.berkeley.edu
My website: `www.math.berkeley.edu/~c_abbott`

**Lectures:** Lecture is held Tuesdays and Thursdays from 9:30-11 in 310 Hearst Memorial Mining Building.

**Discussion Section:** Discussion section is held Mondays, Wednesdays, and Fridays from 11-12 in 310 Hearst Memorial Mining Building.

**GSI:** The GSI for this course is Jonathan Gleason.
Office: 935 Evans
Office hours: Mondays, Wednesdays, and Fridays 12-1 pm

**Textbook:** Lay, Nagle, Saff, & Snider, Linear Algebra and Differential Equations (UC Berkeley custom edition). A detailed curriculum is posted on the department website (`www.math.berkeley.edu/courses/choosing/lowerdivcourses/math54`).

**Honors Course:** This course is aimed at students with a strong ability and interest in mathematics. I will follow the curriculum for Math 54 but will try to provide greater rigor (real proofs), greater insight, and more interesting exercises. I don't expect the grading scale to be either higher or lower than for regular Math 54, but you will have to do more thinking to get a good grade; I hope that you will enjoy this. If you start H54 but find in a few weeks that it is not the course for you, it should be possible to transfer to regular Math 54 and not be at a disadvantage.

For more information on honors courses in the math department, see the department's web page on honors courses (there is a link on the course website).

**Homework:** Homework will be assigned weekly. Assigments will be posted on the course web page no later than midnight on Tuesday and will be due in discussion on the following Wednesday. Homework will be graded based on completion, with possible grades of 0, 1, or 2 points. The lowest homework grade will be dropped.

*Late homework will not be accepted under any circumstances.* In the case of extended illness, you must contact me as soon as possible. If you know you will miss a Wednesday discussion, you must arrange to turn your homework in to the GSI ahead of time.

You are encouraged to discuss the homework assignments with your classmates, but you must write up the solutions *entirely* on your own. That is, your assignment

should be your own work, written in you own words (i.e., by yourself without consulting someone else's solution). Plagiarism and copying (from other students, the internet, etc.) are not tolerated under any circumstances.

**Exams and quizzes:** There will be weekly quizzes in discussion, which will be based on the homework assigments. The lowest quiz grade will be dropped. There will also be two in-class midterms and a final exam. All exams are cumulative, however the second midterm will focus on material that was not tested on the first midterm. See below for dates.

**Grading Scheme:**

Homework: 5%
Quizzes: 15%
Midterm exams: 20% each
Final exam: 40%

**Important Dates:**

- Deadline to drop this class: Friday, September 22
- Midterm #1: Tuesday, October 10
- Midterm #2: Thursday, November 9
- Final exam: Wednesday, December 13, 11:30 am - 2:30 pm (according to the Final Exam Group Guidlines)

**General policies:** If you are a DSP student requiring special accommodations, or if you have extracurricular activities that may conflict with this course, see the course webpage and contact me ASAP (now or early next week).