Math 54: Linear Algebra & Differential Equations, Section 1

Instructor: Chris Roman Miller
Email: chrismiller@berkeley.edu
Office Hours: Monday and Thursday 10:10-11:30 in 1066 Evans Hall

Website: `https://math.berkeley.edu/~crmiller`
Time and Place: Monday-Friday 8:10-10:00am in 109 Morgan Hall.

Textbook: *Linear Algebra and Differential Equations*, second custom edition for UC Berkeley

Grading: Your final grade will be computed as follows.

- Homework: 15%
- Quizzes: 20%
- Midterm 1: 20%
- Midterm 2: 20%
- Final Exam: 25%

Homework: Homework will be collected at the start of class on Tuesdays and Fridays. The assignments can be found on my website. The problems will come from your textbook. Only some of the problems will actually be graded, but you won't know which problems until after the homework is submitted. I will drop your lowest two scoring homework grades.

It is fine if you want to work on your homework in groups, but you must submit your own solutions to the problems.

Quizzes: Quizzes will be given for 20 minutes at the start of class on Tuesdays and Fridays, unless there is a midterm that day. They are closed book, with no notes or electronic devices. There will be no make up quizzes, but I will drop your lowest two scoring quiz grades.

Midterms: The midterms will be given in class on the scheduled dates. You will have the full class time to work on each midterm. You cannot use books, notes or electronic devices on either exam.

Any DSP students seeking accommodation during a midterm should email me immediately, and must provide me with the appropriate documentation before the exam.

How do I get an A? Even during the 15-week semester, this is a dense course. If you fall behind, you will find it hard to catch up. For that reason, I urge you to do the following:

- *Read the textbook:* Chapters in this textbook aren't very long, so you can certainly read them even before the corresponding lecture!
- *Come to every class:* Attendance is not mandatory, but the things I emphasize in lecture will certainly play a prominent role in the exams and quizzes.
- *Do all the homework:* Math is not a spectator sport. Watching me talk in lecture will not be sufficient to learn this material, so please do all the homework and any additional problems that you find.
- *Come to office hours:* I'm happy to talk about homework problems in office hours.

Calendar

Week 1; *1.1-1.5, 1.7-1.9, 4.1*
6/25 Homework 1 due, Quiz 1

Week 2; *4.2- 4.7, 2.1-2.2*
6/28 Homework 2a due, Quiz 2a
7/01 Homework 2b due, Quiz 2b

Week 3; *2.3, 3.1-3.3*
7/04 **No Class**
7/05 Homework 3 due, Quiz 3
7/08 **Midterm 1**

Week 4; *5.1-5.4, 6.1*
7/12 Homework 4a due, Quiz 4a
7/15 Homework 4b due, Quiz 4b

Week 5; *6.2-6.4, 6.7, 7.1-7.2*
7/19 Homework 5a due, Quiz 5a
7/22 Homework 5b due, Quiz 5b

Week 6; *4.1-4.6*
7/26 Homework 6 due, Quiz 6
7/29 **Midterm 2**

Week 7; *9.1, 9.4-9.8*
8/02 Homework 7a due, Quiz 7a
8/05 Homework 7b due, Quiz 7b

Week 8; *10.1-10.7*
8/09 Homework 8 due, Quiz 8
8/12 **Final Exam**