

SYLLABUS

Math 217 – Section 4

- Instructor: Karl Schwede
- Class web page: <http://www-personal.umich.edu/~kschwede/math217>
- Text: *Linear Algebra and Its Applications* by David C. Lay
- Contacting the instructor:
 - Email: kschwede@umich.edu
 - Office: 3828 East Hall
 - Office Hours: To be determined
 - Instant Messaging:
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Course Content: We will be covering most of chapters 1 through 6 in Lay's book. There will be an emphasis on mathematically rigorous explanations (ie. *proofs*). For many people, Math 217 will be the first course you take that emphasizes proofs. We will also use computers where appropriate.

Homework, Quizzes, Exams, etc: We will have weekly homework, quizzes most weeks, and two midterms. The first midterm will be on February 6th. The second midterm will be on March 13th. Homework problems will emphasize proofs and correct explanation, quizzes will emphasize computation and mastery of certain algorithms. I will not grade every homework problem, but I will be doing the grading. There will also be opportunities for extra credit (but not a lot, and they'll be hard). I also would ask that you *read* the section of the book to be covered that day in class, *before* class.

Your grade:

- 25% Homework (written and computer projects)
- 15% Quizzes (in class, short)
- 10% Midterm #1
- 20% Midterm #2
- 30% Final

Special rules on homework: I'll assign about 4 homework problems each week. There will be other suggested (computational) problems to do as well. I expect you to

- Write up each problem neatly on a *separate* sheet of paper!
- Don't write a bunch of nonsense. I'd rather have you tell me what you do know / understand, and say "I don't know how to do this part / I'm not sure if this is correct", rather than write something you know isn't true. I will grade accordingly.
- Start early! These problems will not be computational in nature.

I strongly encourage you to work with each other on these problems, but each person needs to turn in their own write-up.

Computer Lab Every monday (except mondays before exams), we will meet in the computer lab in East Hall B735. We'll be using a program called Maple.