

Matrix Algebra With Applications

Section C - Winter 2015

Instructor: Dr. Annie Raymond

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Course website:

<http://www.math.washington.edu/~raymonda/math308winter2015.html>

Office hours: Monday and Wednesday from 9:00AM to 10:00 in my office

Text: *Linear Algebra With Applications* by Jeffrey Holt. You may purchase a hard copy of the text at the bookstore or use the electronic version that comes with WebAssign.

Other Materials: You also need a WebAssign access code.

Course content: This is an introduction to linear algebra. We will cover systems of linear equations, vector spaces, matrices, subspaces, orthogonality, least squares, eigenvalues, eigenvectors, and applications.

CLUE: The Center for Learning and Undergraduate Enrichment (CLUE) is the university's free, late-night, multi-disciplinary study center. They offer drop-in tutoring, discussion sessions led by graduate and senior undergraduate students, and a writing center.

Grading: The weight for each part of the course is given below.

Category	Weight
Quizzes	14
Homework	14
Midterm	27
Final exam	45
Total	100

Homework: Homework assignments (eight in total) will be given out and collected via WebAssign. Homework will generally be due at 12:01 AM on Fridays. Your worst homework grade will be dropped.

Quizzes: There will be eight quizzes throughout the quarter, always at the end of a lecture on Friday. The material covered on those quizzes will be the same as the homework due right before. You can use a scientific calculator (but not a graphing calculator) on the quizzes. Any formula you need will be given to you. Your worst quiz grade will be dropped.

Exams: You will be allowed to use a scientific calculator (but not a graphing calculator) and one 8.5×11 sheet of **handwritten** notes for the exams. The first midterm will be on 10/17 and the second on 11/17, both during the normal lecture time. The final exam will be on 03/16 from 8:30AM to 10:20AM.

Exam dates: There won't be any make-ups for homework assignments, quizzes or exams. If you miss an exam due to **unavoidable, compelling, and well-documented** circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. **Contact me immediately if one of these circumstances arises.**

Grading scheme: I will set the grade scale for the course at the end of the quarter. My preliminary estimate is that the scale will be linear, with $4.0 = 95\%$ and $2.0 = 70\%$. The actual grading scale will be no tougher than this preliminary estimate, so your course grade will be at least as good as the preliminary scale indicates.