

# Matrix Algebra With Applications

## Section D - Spring 2015

**Instructor:** Dr. Annie Raymond

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**Course website:**

<http://www.math.washington.edu/~raymonda/math308spring15.html>

**Office hours:** Monday from 9:00AM to 10:00 and Tuesday from 9:15AM to 10:15AM 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 Wednesdays. Your worst homework grade will be dropped.

**Quizzes:** There will be eight quizzes throughout the quarter, always at the end of a lecture on Wednesday. The material covered on those quizzes will be the same as the homework due right before. You should not need a calculator on most 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  $8.5 \times 11$  double-sided sheet of **handwritten** notes for the exams. The midterm will be on 05/04 during the normal lecture time. The final exam will be on from 8:30AM to 10:20AM on 06/08.

**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.