

Matrix Algebra with Applications

Math 308 F, Summer 2017

Instructor: Josh Swanson

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Course Website: http://www.math.washington.edu/~jps314/m308_sp2017

Office: Padelford C-109

Office Hours: Monday, Wednesday, and Friday, 1:15-1:45pm.

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.

Course Content: Math 308 is an introductory course in linear algebra intended for students in engineering, mathematics, and the sciences. Topics will include systems of linear equations, vector spaces, matrices, subspaces, orthogonality, least squares, eigenvalues, eigenvectors, and applications.

Grading: Your grade will consist of:

Homework (WebAssign)	15%
Quizzes	35%
Final Exam	50%

though I reserve the right to tweak the grading scheme during the quarter as I see fit. Scores for the homework, each quiz, and the final will all be normalized in terms of standard deviations from the mean. More details will be discussed in lecture.

Homework: Homework is assigned and collected via WebAssign. It will be due at 11:00 p.m.; see schedule for specific due dates. You may miss up to 10% of the total number of homework points during the quarter without penalty to your grade.

Final: You will be allowed to use a scientific calculator and one 8.5×11 sheet of **handwritten** notes for the final, both sides. Graphing or programmable calculators and other electronic devices will not be allowed (e.g. no cell phones, no laptops, etc). You may not share a calculator nor a note sheet with another student. See the course web site for more information.

Quizzes: You will be allowed to use a scientific calculator on the quizzes and one index card with **handwritten** notes, both sides. See the course web site for more information.

Make-Ups: Extensions and extra submissions on homework will not be given under any circumstances. You may miss up to 10% of the total number of homework points during the quarter without penalty to your grade.

In the case of observance of religious holidays or participation in university sponsored activities, such as class field trips or athletics, arrangements must be made at least one week in advance for exams. You will be required to provide documentation for your absence.

Make-up exams will not be given. If you miss a quiz due to unavoidable, compelling, and well-documented circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. If you miss the final, we will have to discuss your options. **Contact me immediately if one of these circumstances arises.**

Resources for Students with Disabilities:

The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.