Matrix Algebra with Applications
Math 308 F, Spring 2018

Instructor: Josh Swanson
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Course Website: `http://www.math.washington.edu/~jps314/m308_sp2018`
Office Hours: Wednesdays, 2:30-3:20pm.

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, matrices, subspaces, bases, eigenvalues, eigenvectors, and diagonalization. See the course schedule for a breakdown of lecture topics by day.

Homework and Textbook: Homework is through WebAssign. The textbook is *Linear Algebra with Applications* (second edition) by Jeffrey Holt. You have two options. You can purchase access to WebAssign and an eBook directly from WebAssign, or you can purchase access to WebAssign and a physical copy of the book from the UW Bookstore. See the course schedule for a breakdown of homework due dates. You may miss up to 10% of the total number of homework points without penalty to your grade. Consequently, individual extensions or extra submissions on homework will be given only in exceptional circumstances such as a medical emergency.

Grading: Your grade will consist of:

Homework (WebAssign)	15%
Midterm 1	25%
Midterm 2	25%
Final Exam	35%

though I reserve the right to tweak the grading scheme during the quarter as I see fit. Your raw weighted grade will be converted to a GPA using a two-piece linear interpolation, though I reserve the right to manually tweak the results in individual cases. The median GPA will be in the range 2.7-3.2.

Exams: You are allowed a TI-30X IIS basic scientific calculator and one 8.5×11 inch sheet of **handwritten** notes for the exams, front and back. 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 on an exam.

All exams will be in the regular lecture room.

Midterm 1	Monday, April 16th	In-lecture
Midterm 2	Friday, May 11th	In-lecture
Final	Monday, June 4th	2:30-4:20pm

Make-Ups: 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 midterm due to <u>unavoidable</u>, <u>compelling</u>, and <u>well-documented</u> 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. In any case, **contact me immediately if one of these circumstances arises.**

Resources for Students with Disabilities:

It is important to me and the University of Washington to provide reasonable accommodations 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.