

Matrix Algebra with Applications

Math 308 L; Autumn 2016

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Course Website: <http://www.math.washington.edu/~rahoberg/Math308Autumn2016.html>

Office Hours: Mondays 4:30-5:20 in CDH 110A and by appointment

Required 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. You will also be expected to become comfortable using precise definitions and working with abstract concepts.

Grading: Your grade will consist of:

Homework	10%
Participation	14%
Midterm I	23%
Midterm II	23%
Final Exam	30%

Once your percentage in the course is determined, it will be translated into a grade out of 4.0. Your exact grade will depend on how others in the course perform (the median should be roughly 3.0), but you have the following guarantees. 95% \rightarrow 4.0; 90% \rightarrow 3.8; 80% \rightarrow 3.0; 65% \rightarrow 2.0.

Homework: Homework assignments will be assigned, collected and graded via Webassign. Most weeks, homework will be due at 11:00 p.m. on Thursday. Specific due dates are on Webassign. Getting at least 90% of overall homework points will get you full credit for homework.

Participation: In addition to Webassign, you will have additional assignments and quizzes, either in class or take-home, that I will collect and grade. I will provide feedback which should be helpful when studying for exams. However, your grade on this portion will be based solely on participation. You may miss one assignment or activity without penalty to your grade.

Exams: No calculators or any electronic devices will be allowed on exams. You will be allowed one 8.5×11 sheet of notes. It may be double-sided but **it must be in your own handwriting.**

Exam Dates:

Midterm I	Friday October 21st	in lecture
Midterm II	Friday November 18th	in lecture
Final Exam	Thursday, December 15, 2:30-4:20	CDH 110A

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 an exam due to unavoidable, compelling, and well-documented circumstances (e.g., illness, transportation emergency), your final exam may be weighted more heavily. **Contact the instructor 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.