

Math 235 Sec 5 - Introduction to Linear Algebra - Spring 2005

TuTh 11:15 → 12:30 LGRT 323

Professor: Eyal Markman

Office: LGRT 1242

Office Phone: 545-2788

E-mail: markman@math.umass.edu

Course Web page: <http://www.math.umass.edu/~markman/> **Please check it often!**

Office hours: Tuesday 2:00 → 3:30 pm, Thursday 12:40 → 2:00 pm, and by appointment.

Text: *Linear Algebra and its applications*, Third Edition, by David C. Lay,, Addison-Wesley

Syllabus:

Ch 1: Sec 1.1 → 1.9, Samples from Sec. 1.10 as time permits

Ch 2: Sec 2.1→ 2.5, Samples from Sec. 2.6 and 2.7 as time permits

Ch 3: Sec 3.1→ 3.3

Ch 4: Sec 4.1→4.7, Samples from Sec. 4.9 as time permits

Ch 5: Sec 5.1→5.5, Samples from Sec. 5.7 as time permits

Ch 6: Sec. 6.1→6.6

Ch 7: Sec 7.1 and 7.2

Homework: Will be assigned weekly and will be due each Thursday, unless mentioned otherwise. The homework will be graded by a special grader. Due to lack of funds, it will not be possible to grade all the homework problems assigned. A few of the homework problems will be corrected and graded every week. Nevertheless, for your own benefit, you will be asked to hand in *all* the homework problems assigned. Your grade on each homework assignment will be calculated as follows:

70% The grade on the corrected problems.

30% Credit for handing in *most* of the homework problems assigned. Partial credit will be given.

Late homework will not be collected. Instead, your three lowest grades will be dropped.

Grades:

Homework–20%

Two Midterms–50% (each 25%)

Final Exam –30%

First Midterm: Thursday, March 3 during class period.

Second Midterm: Thursday, April 14 during class period.

Final: During the week beginning Saturday, May 14 and ending on Friday, May 20. The precise date is yet to be determined.

See back . . .

Calculators Policy: Calculators will **not** be allowed in the exams. A few in-class demonstrations will involve the graphing calculator TI-86. You may use calculators (e.g. TI-85 and TI-86) to check your homework solutions, but credit will be given only for answers showing all your steps (unless mentioned otherwise in the assignment).

Homework Assignment 1 (Due Thursday, February 3)

Section 1.1 page 11: 1, 3, 5, 7, 8, 11, 16, 17, 18, 21, 23, 24, 31, 33, 34

Section 1.2 page 25: 1, 3, 7, 11, 14, 19, 21, 22, 23, 30, 33