

MATH 3013.002—Linear Algebra Fall, 2010

MWF 11:30 AM-12:20 PM, ES 111

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Office Hours: MWF 1:30–2:20 PM, or by appointment

Online Classroom (Desire to Learn, “D2L”): <https://oc.okstate.edu>

Check this site for announcements, updates, homework assignments, and other material.

Text: *Linear Algebra, A Modern Introduction, Third Edition*, by David Poole. We will cover sections 1.1-1.4, 2.0-2.4, 3.1-3.7, 4.1-4.4, 4.6, 5.0-5.5, 6.1-6.2, and 6.4. Additional topics may be covered as time permits.

Quizzes and Homework: During most weeks a quiz (closed book and closed notes, unless otherwise indicated) will be given. Homework will be assigned, but it will not be collected or graded. Nevertheless, it is extremely important that you work on the homework problems; the weekly quizzes will consist of similar problems. The list of homework problems is posted on D2L under Content.

Exams: There will be three fifty-minute examinations. A comprehensive final examination will be administered from 10:00 to 11:50 AM on Wednesday, December 15. Unless otherwise indicated, exams will be closed book, closed notes.

Grading: Each regular exam is graded on a 100 point scale and counts 20% of your total course score. The final is graded on a 200 point scale and counts 30% of your total score. There is no curving of exam scores.

The quizzes may be graded on different point scales from week to week. At the end of the semester your total quiz score will be adjusted to a 100 point scale as follows. A certain number of quiz points will be dropped from the actual maximum possible number of points to obtain a certain “perfect score”. For example, if the actual maximum possible number of quiz points were 150, and if 30 points were dropped, then the “perfect score” would be 120. You will then be assigned the percentage (up to 100) of this “perfect score” that you have earned. Continuing with our example, if you earned 90 quiz points, then your total quiz percentage would be 75 (90 out of 120) instead of 60 (90 out of 150). If, in this example, you earned 120 or more quiz points then you would receive the maximum of 100. The number you are assigned will then count 10% of your total course score.

The following formula will give you a total course score which is some number out of 1000.

$$\text{TOTAL} = 2(\text{EXAM 1} + \text{EXAM 2} + \text{EXAM 3}) + (1.5)\text{FINAL} + \text{QUIZ}\%$$

If you make at least the following total score, you will make at least the indicated letter grade. (Depending on the distribution of scores, it is possible that lower cutoffs may be used.)

900 points–A, 800 points–B, 700 points–C, 600 points–D

Partial Credit: On quizzes there will be very little, if any, partial credit. On exams the amount of partial credit will depend primarily on how much of a problem you do correctly. On both quizzes and exams it is extremely important that you write down all of the steps involved in getting your final answer, not just the final answer by itself, in order to get credit.

CONTINUED ON THE BACK

Online Material: The Online Classroom site for this course will contain general information and announcements, quiz and exam keys, review sheets, and possibly other material, such as notes and exercises on supplemental topics and links to linear algebra resources on the Web.

MLRC: The Mathematics Learning Resource Center, located on the fourth floor of the Classroom Building, provides several services which may be useful to you. In particular it provides tutoring for this course. Tutoring will be available at certain specified times which will be announced later. The MLRC computers have mathematical software, such as Maple, which can be used to solve various linear algebra problems. Maple is also available in various computer labs on campus. You are not required to use such software, but I urge you to familiarize yourself with it. In particular, it is an excellent way to check your homework. The MLRC phone number is 744-5818. The website is at <http://www.math.okstate.edu/mlrc>.

Electronic Device Usage: Unless otherwise indicated the use of calculators, computers, cell phones, or other electronic devices will not be permitted during quizzes and exams.

Makeups: The procedure described earlier of dropping a certain number of quiz points to obtain a “perfect score” is the official mechanism for dealing with missed quizzes. Therefore, there will be no makeups for missed quizzes, no matter what the reason why the quizzes were missed.

Makeups for exams will be given only for serious and unavoidable reasons. You should try if at all possible to contact me before the regularly scheduled exam time. These makeup exams may be somewhat harder than the original exams.

OSU Syllabus Attachment: <http://osu.okstate.edu/acadaffr/aa/syllabusattachement-Fall.htm>

This contains further information on such things as drop dates, incomplete grades, special accommodations for students with disabilities, academic integrity, and general university policies.