

Introductory Linear Algebra (01:640:350)
Mon/Thu 0840 A - 1000 HLL-005, Bush

Instructor: Angela Gibney

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Office hours are Wednesdays from 9 am to 10 am, in HLL 230, and by appointment.

Course topics: This is a one-semester class about vector spaces, linear transformations, systems of equations, determinants, eigenvectors, and Jordan canonical form.

Text (in the book store): Friedberg, Insel and Spence, Linear Algebra, 4th edition (but you can use an earlier edition)

Syllabus:

Lectures	date	chapter.section
1	(09/06)	1.1, 1.2, 1.3
2,3	(09/10, 09/13)	1.4, 1.6, 1.7
4,5	(09/17, 09/20)	2.1, 2.3, App. E
6,7	(09/24, 09/27)	2.4, 2.5, 2.6
8, 9	(10/01, 10/04)	Midterm 1 (Monday review; Test Thursday)
10, 11	(10/08, 10/11)	3.1, 3.2
12,13	(10/15, 10/18)	4.1, 4.2
14, 15	(10/22, 10/25)	4.3, 5.1
16,17	(10/29, 11/01)	5.2, 5.3
18, 19	(11/05, 11/08)	5.5, review
20, 21	(11/12, 11/15)	Midterm 2 (Monday review, Test Thursday)
22, 23	(11/19, 11/20)	6.1, 6.2
24, 25	(11/26, 11/29)	6.3, 6.4
26, 27	(12/03, 12/06)	6.5, 6.6
28	(12/10)	catch up and review for the final exam.

Homework and quizzes Homework will be assigned weekly. Three homework scores will be dropped. The average of the remaining scores will determine 20% of your grade. I will also give occasional quizzes, which will account for 5% of your grade.

Exams There will be a total of 3 exams given during the course: 2 midterms and one final exam. Each exam score will determine 25% of your grade.

Grades are based on homework (20%), quizzes (5%), Tests 1, 2, and the Final exam (which each count for 25% of your grade).

Do well in class:

- (1) Read the book before you come to class;
- (2) Do a little bit of homework every day (don't lose your place);
- (3) If you are confused, ask questions.
- (4) Pay attention during lecture: no email, etc during class.

Academic Honesty You may work on problems together in class and outside, but everyone must be able to do the problems on their own for quizzes and for exams. Cheating won't be tolerated.