

Syllabus and Problems
Mathematics 350, Section 02, Linear Algebra
Fall Semester, 2009

Text: *Linear Algebra*, Friedberg, Insel and Spence, 4th Edition, published by Prentice-Hall, 2003.

Lecture	Date	Reading	Problems
1	9/2	1.2	1.2: 17
2	9/8	1.3, 1.4	1.3: 7, 8(a) (b)
3	9/9	1.4, 1.5	1.4: 4(a) (b); 1.5: 2(d) (h), 18
4	9/14	1.6	1.6: 2(b) (d), 3(a) (b), 12
5	9/16	2.1, 2.2	2.1: 4, 9(b)
6	9/21	2.2, 2.3	2.2: 2(b), 4, 5(d)
7	9/23	2.3, 2.4	2.3: 2(b), 3(b)
8	9/28	2.4, 2.5	2.4: 2(c) (f), 3(b) (d), 7(b)
9	9/30	2.5, 2.6	2.5: 2(b), 3(d), 6(c); 2.6: 2(c) (d) (e), 3(a)
10	10/5	3.1, 3.2	3.1: 2, 6; 3.2: 2(b), 5(e), 6(a)
11	10/7	3.3, 3.4	3.3: 2(b), 3(b), 4(b); 3.4: 2(d) (f), 6, 8
12	10/12	Exam 1	
13	10/14	4.1, 4.2	4.2: 16, 18, 20, 22
14	10/19	4.3, 4.4	4.3: 4, 6, 24
15	10/21	5.1	5.1: 3(b) (d), 4(b) (f), 8(a) (b), 9
16	10/26	5.2	5.2: 2(b) (d) (f), 3(b) (d) (f), 7, 12, 14(b)
17	10/28	5.4	5.4: 2(a) (c), 6(a), 10 (only for the operator in 6(a)),
18	11/2	7.1	7.1: 2(a) (c), 3(a)
19	11/4	7.2	7.2: 2, 3, 4(a)
20	11/9	7.3	7.3: 2(a) (c), 3(b) (c)
21	11/11	7.4	7.4: 2(a) (c), 3(c)
22	11/16	Exam 2	
23	11/18	6.1, 6.2	6.1: 8, 9; 6.2: 2(a) (b) (c) (e), 4, 9
24	11/23	6.3, 6.4	6.3: 2(b), 3(b); 6.4: 2(b) (d) (f)
25	11/30	6.5	6.5: 2(b) (c) (e), 5(c), 6
26	12/2	6.6	6.6: 2, 3 (only for the matrices in 2(b) (c) (e) in 6.5)
27	12/7	6.8	6.8: 4(a) (c), 6, 17(a)
28	12/9	Review	

Note: This is an approximate syllabus only and because of differences in weekly schedules, some variations are to be expected.

Final Examination: December 21, 2009, 8:00–11:00 pm. The location will be announced later.