

## MATH 251 Matrix Algebra I

**INSTRUCTOR:** DR. Jie Xiong; Office: Temple Court 105; Phone#: x4-4271;

Office hours: TW 10:10-11:00 R 1:00-1:50

**TEXT:** Elementary Linear Algebra, 2000 (8th edition), by Howard Anton. John Wiley & Sons, Inc.

**EXAMS:** 3 midterm exams and 1 comprehensive final.

**GRADING:** Final exam is counted as two exams. The lowest one of 5 exams will be dropped. The average of 4 exam grades will determine 90% of your final grade and homework will count for 10%. The following scale will be used: 90-100%=A, 87-89.99%=A-, 83-86.99%=B+, 80-82.99%=B, 77-79.99%=B-, 73-76.99%=C+, 70-72.99%=C, 67-69.99%=C-, 63-66.99%=D+, 60-62.99%=D, 57-59.99%=D-, below 57%=F.

**Make-up policy:** In case of a genuine reason, you may choose taking a make-up exam or using the score of the final exam for the missed midterm (Missed final exam has to be determined by a make-up).

### COVERAGE and HOMEWORK:

Class	Section	Suggested Homework Problems
1	1.1	1, 3(a-c), 4(a,c), 5(a,c), 6, 10, 12, 13
2	1.2	1, 3, 5, 6(b,d), 7(b), 8(b), 10(b), 12, 14(a,b), 17, 21, 22
3	1.3	1, 2, 3, 5, 7(a-d), 9, 10(a), 13(a), 14(a), 18(a), 21
4	1.4	1, 3, 7, 9, 13, 14, 15(b), 17, 21, 29
5	1.5	1, 3, 5(a,c), 7(a,d), 9, 11, 15
6	1.6	1, 11, 15-17, 19, 24
7	1.7, 9.9	1, 2, 3(a), 4, 5, 11, 12, 15, 17 2, 5, 9, 11
8	2.1-2.2	2.1: 3, 4, 11, 13, 17; 2.2: 2-4, 6, 9, 13
9	2.3 2.4	4-6, 12, 14(a,b), 15(a,b), 16 1, 3(c,f), 4(a), 5, 7, 9, 13, 17, 25
10	Exam 1	
11	3.1-3.3	3.1: 6(a-e), 7-10; 3.2: 1(a,e), 3(a,b,c,e,f), 4 3.3: 1(a,d), 2(a,d), 4(a,c), 5(a,c), 8, 9, 16, 22
12	4.1 4.2	1, 3, 7, 8, 9(c), 10(a,b), 14-16 1, 3, 5, 7, 8, 12, 16, 20
13	4.3 5.1	2, 3, 5, 7, 8, 11, 15, 19(a,c), 22 1, 5, 7, 9, 10, 11, 14, 18

14	5.2	1, 2(b), 3(a,b), 5(b), 7, 10(b-d), 11(a,b), 13
15	5.3	1, 3(a,b), 7, 9-12, 15, 17
16	5.4	1, 3(a,c), 4(a), 5, 7(a,b), 8(a), 9-11, 13, 15, 16, 17(a,c,d), 18(b), 19, 21, 25, 26
17	review/Catch-up	
18	Exam 2	
19	5.5	1, 2(c,d), 3(b,c), 5(b,c), 6(b,c), 7, 8(b,c), 9(a-d), 11, 12(a,c), 13
20	5.6	2(b,c), 3(b,c), 4, 5, 7-9, 12, 13
	6.1	1, 3(a), 4(a), 5, 8(a), 9(a,c), 10, 11, 13, 15(a), 20, 24, 30
21	6.2	1(a,b,d,e), 2, 3(c,e), 7-9, 11(a), 13(a,b), 14, 15(a,c,d), 20, 23
22	6.3	1-4, 6, 7, 9, 13, 15
	6.5	
23	review/Catch-up	
24	Exam 3	
25	7.1	1, 3(a,b,e,f), 4, 6(a,c,f), 7, 9(a,b), 11, 20, 21
26	7.2	1-4, 7, 9, 11, 16, 17, 19, 21
27	7.3	1(a,c,e,f), 2, 6-9, 11
28	review/Catch-up	

**Schedule** TR 2:10pm-3:25pm JHB 104

**Comprehensive Final Exam:** 2:45-4:45 December 9, 2009

**Remark:** Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Office of Disability Services at 865-974-6087 in 2227 Dunford Hall to coordinate reasonable accommodations for students with documented disabilities.