

Math 225. Introductory Matrix Theory - Section R1
Fall 2010

- Instructor: Szu-Yin Yeh
- Office Hours: Tu/Th 1:00-1:50pm, 3:50-4:40pm
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1. CLASS SCHEDULE

— Tuesday and Thursday, 2:00-3:50pm in 7 Illini Hall (October 18 - December 8).

2. TEXT

— David C. Lay, *Linear Algebra and its Applications*, 3rd ed., Addison-Wesley, 2002.

3. COURSE DESCRIPTION

— Systems of linear equations, matrices and inverses, determinants, and a glimpse at vector spaces, eigenvalues and eigenvectors. Prerequisite: Math 220 or Math 221; or equivalent.

4. HOMEWORK

— A number of problems will be assigned each day. The homework will not be graded but it will help you prepare the quizzes.

5. QUIZZES

— A short quiz will be given at the end of class almost each day. Each quiz will cover what was taught in **last** class. There will be NO makeup quizzes. However, if you present a letter from an Emergency Dean excusing your absence due to an illness, accident or family crisis then you will be excused from the quiz. Your lowest two quiz scores will be dropped over the semester. **No notes, books, or electronic devices are allowed.**

6. EXAMS

— There are 2 midterms during the second hour of class on **Thursday, November 4**, and **Tuesday, November 30**. Make-up exams will be given under very limited circumstances (serious illness or family emergency) and a letter from an Emergency Dean is required.

The Final Exam is from 1:30pm to 4:30pm on Monday, December 13. It will be cumulative. No conflict exam will be given except for those few individuals who meet the official university criteria given in the student code. If you are one of them, let me know no later than the last class on Tuesday, December 7.

7. GRADING

- Quizzes: 20%
- Two midterms EACH worth: 20%
- Final exam: 40%

Please do not hesitate to contact me if you have questions or problems relating to this course.

8. PROPOSED SCHEDULE

Tuesday		Thursday	
Date	Sections (to be)	Date	Sections (to be)
Oct 19	1.1, 1.2	Oct 21	1.3, 1.4
Oct 26	1.5, 1.6, 1.7	Oct 28	2.1, 2.2
Nov 02	2.2, 2.3	Nov 04	Review
Nov 09	3.1, 3.2	Nov 11	3.2, 3.3
Nov 16	4.1, 4.2	Nov 18	4.3, 4.5, 4.6
Thanksgiving Break			
Nov 30	Review	Dec 02	5.1, 5.2, 5.3
Dec 07	6.1, 6.2, 6.3		

9. HOMEWORK/QUIZ/EXAM CALENDAR

Tuesday		Thursday	
Date	Due	Date	Due
Oct 19		Oct 21	Homework1 / Quiz1
Oct 26	Homework2 / Quiz2	Oct 28	Homework3 / Quiz3
Nov 02	Homework4 / Quiz4	Nov 04	EXAM 1
Nov 09		Nov 11	Homework5 / Quiz5
Nov 16	Homework6 / Quiz6	Nov 18	Homework7 / Quiz7
Thanksgiving Break			
Nov 30	EXAM 2	Dec 02	
Dec 07	Homework8/Quiz8		
MONDAY, Dec 13, 1:30p-4:30p FINAL EXAM			

10. GRADE SCALE

— I will not curve on the exams. The final grade cutoff percentages will be decided at the end of the term. However, you can expect that at the least the following will hold:

Grade	Percentage	Grade	Percentage	Grade	Percentage
A+	96.6	A	93.3	A-	90.0
B+	86.6	B	83.3	B-	80.0
C+	76.6	C	73.3	C-	70.0
D+	66.6	D	63.3	D-	60.0
F	< 60				