FALL 2012

MAT 331 - M001: FIRST COURSE IN LINEAR ALGEBRA

Instructor:　　　　Professor Mark Kleiner

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Office Hours:	Tu 3:00PM - 3:50PM, Th 10:00AM - 10:50AM, and by appointment

Class:　　　　TuTh 11:00AM – 12:20PM, 208 Carnegie

Textbook:　　　　Linear Algebra and its Applications, 4th edition.
Author: David C. Lay
Publisher: Addison-Wesley
The course will cover Chapters 1, 2, 3, 5, and 6 with some omissions. If time permits, portions of Chapter 4 may also be included.

Calculator Policy:　　　　Symbolic calculators, e.g., TI 89 or TI92, are not allowed. Standard scientific calculators are allowed in exams and quizzes, but students may need to show work for full credit.

Homework/Quiz Policy:　Homework will be assigned in class. Weekly quizzes modeled on the homework problems will be given.

Grading Policy:　　　　The course grade will be based on two midterm exams (20% each), the comprehensive final exam (35%), and quizzes (25%). The semester grade will be given according to the following rule:

> A (93 and above), A- (90-92), B+ (87-89), B (83-86), B- (80-82),
> C+ (77-79), C (73-76), C- (70-72), D (60-69), F (<60)

Exam Dates:

Exam 1	**Oct. 2, Tuesday**
Exam 2	**Nov. 6, Tuesday**
Final Exam	**Dec. 12, Wednesday, exact time to be announced later.** ***Do not plan to leave campus before 2:30PM on that day.***

Attendance Policy:　　　　Attendance is mandatory in this course.
Warning: The material in this course builds upon itself more than in most courses you have taken so far. Keeping up with it on a daily, rather than weekly, basis is ***crucial*** for success. A student with a valid excuse who plans to miss an exam or quiz should ***notify the instructor in writing one week before the absence.***

Academic integrity:　　　　The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result

from academic dishonesty of any sort. For more information and the complete policy, see the Academic Integrity Policy and Procedures (PDF).

Disabilities: Students who are in need of disability-related academic accommodations must register with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498. Students with authorized disability-related accommodations should provide a current Accommodation Authorization Letter from ODS to the instructor and review those accommodations with the instructor. Accommodations, such as exam administration, are not provided retroactively; therefore, planning for accommodations as early as possible is necessary. A student with disabilities, for which special considerations are necessary, should contact the instructor in ***the first two weeks of the class***.

The suggested homework problems are given below:

Section	Suggested Problems
1.1	11, 13, 15, 17, 19, 23, 24, 25
1.2	2, 5, 6, 11, 15, 19 (find all such values of h and k), 21, 25, 26
1.3	9, 11, 13, 15, 17, 21, 23(b-e), 25
1.4	1, 3, 7, 9, 11, 15, 17, 19, 21, 23(b-e), 31, 33
1.5	1, 7, 11, 23, 28, 29, 30, 31
1.7	1, 5, 7, 9, 11, 15, 17, 19, 21, 31
1.8	1, 3, 5, 7, 8, 9, 13, 15, 17, 19, 21, 26
1.9	1, 3, 5, 7, 8, 17, 19, 23, 25, 27
2.1	1, 3, 5, 7, 11, 12, 15, 18, 19, 27, 28
2.2	1, 5, 9, 13, 17, 21, 22, 24, 31, 32, 33, 35
2.3	4, 8, 11, 13, 14, 15, 16, 17, 33, 35
2.7	2, 3, 5, 7
2.8	1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25
2.9	1, 3, 5, 9, 11, 13, 15, 16, 17, 19, 20, 21, 22
3.1	9, 11, 13, 15, 17
3.2	11, 13, 15, 17, 19, 29, 31, 34
3.3	3, 5, 11, 13, 19, 21, 23, 27, 28
5.1	3, 5, 9, 13, 15, 17, 18, 19, 21, 25, 29
5.2	1, 3, 5, 7, 13, 15, 16
5.3	7, 9, 11, 13, 17, 21, 23, 25
6.1	5, 7, 9, 11, 15, 17
6.2	1, 5, 9, 11, 13, 15
6.3	3, 5, 7, 9, 11, 13
6.4	3, 5, 7, 9, 11