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**FALL 2010**

**MAT 331: FIRST COURSE IN LINEAR ALGEBRA**

**Professor:** Dan Zacharia,  
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**Office Hours:** Mondays and Wednesdays 10:00-11:00 and also by appointment.

**Course Description:** The course will cover portions of (or all of) Chapters 1, 2, 3, 5, and 6 of the text. If time permits, portions of Chapter 4 may also be included.

Course Restrictions: Credit will not be given for both MAT 331 and MAT 485.

Prerequisites: MAT 286 or MAT 296

**Textbook:** Linear Algebra and its Applications, 3<sup>rd</sup> edition.  
Author: David C. Lay  
Publisher: Addison-Wesley

**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.

**Grading:** The course grade will be based on two term exams (25% each), the comprehensive final exam (30%), and homework/quizzes (20%). The term exams will be given on the following dates:

Exam 1: Wednesday, October 13.

Exam 2: Wednesday, November 17.

**Final Exam Date:** The final exam will be given on Wednesday, December 15 2010. The exact time will be notified later. Do *not plan to leave the campus before 2:30 pm on this day*.

**Disabilities** If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities Accommodation

Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

*Please inform your instructor of any problems that you have with the course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the Course Supervisor (listed above) without delay.*

### **MAT 331: FIRST COURSE IN LINEAR ALGEBRA**

Your instructor may elect to grade some homework assignments and to use these in determining your final grade. It is essential to do all the homework in a timely fashion!

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