

**Math 203: Linear Algebra  
Syllabus for the Spring of 2012**

**Instructor:** Prof. Flavia Colonna

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**Office hours:** TR 10:30 a.m.-12:00 p.m. or by appointment.

**Prerequisite:** Math 114

**Textbook:** David C. Lay, *Linear Algebra and Its Applications*, 4th Edition, Addison-Wesley Pub., 2012.

**Material to be covered:** Most of chapters 1 through 6.

**Tests:** There will be three one-hour tests scheduled on Thursday **February 16**, Thursday **March 22**, Thursday **April 19**, and a comprehensive final exam scheduled on Tuesday **May 15**, 7:30 a.m.-10:15 a.m. **All tests are closed book.**

**Quizzes:** There will be ten weekly 10-15 minute quizzes, generally on Tuesdays.

**Homework:** The list of homework problems on this syllabus is highly recommended. No homework will be collected and graded, however.

**Computer projects:** Two computer projects, based on the software **Matlab**, will be assigned in the course of the semester. No late work will be accepted.

**Grading policy:** Each one-hour test is worth 100 points. The lowest test grade will be dropped. Each quiz is worth 10 points. The lowest two quiz scores will be dropped. Each computer project is worth 40 points. The final exam is worth 200 points. Attendance and class participation are rated on a scale from 0 to 20 points.

**Attendance:** Each student is expected to come to class regularly. I will keep a record of students' attendance. **Insufficient attendance and/or class participation may result in a drop in the grade for the course.**

**Make-ups:** **No make-ups are allowed.** I will only allow a make-up if a student must miss a date for unavoidable reasons (e.g. an athletic meet, a court date) but the **make-up work must take place before the scheduled date.** In this case I need sufficient advance notice to arrange the make-up work.

**Final remarks:** Anyone having a problem with the exercises should seek immediate help from me or a tutor. **Beware! This course requires a lot of work!** You may get free additional help at the Math Tutoring Center, 344 Johnson Center.

**Homework Assignments**  
(Odd numbered exercises only)

<b>Section</b>	<b>Problems</b>	<b>Section</b>	<b>Problems</b>
1.1	1-19, 25, 29	4.1	1-21
1.2	1(b,c), 3-19	4.2	1-15, 19, 23, 27
1.3	3-25	4.3	1-13, 19, 23, 25
1.4	1-21, 37	4.4	1-13, 17, 27, 31(a)
1.5	1-21, 33	4.5	1-17, 21, 23
1.7	1-19, 31, 41	4.6	1-15
1.8	1-19, 33-37	4.7	1-13
1.9	1-21, 37	4.9	3-7, 13
2.1	1-17, 27	5.1	1-17, 23
2.2	1-13, 17, 19, 25, 29, 31, 35	5.2	1-15, 19
2.3	1-13, 23, 33	5.3	1-19, 23, 25
2.4	1-13, 21	5.4	1-13, 17
2.5	1-5, 9-15	5.5	1-13
2.8	1-19, 23	5.8	1-9
2.9	1-15, 21, 23	6.1	1-17
3.1	5-21, 27, 29, 35	6.2	1-21
3.2	1-7, 11, 15, 19, 21, 25, 39	6.3	1-13
3.3	1-11, 19, 23, 27	6.4	1-15