Math 221, Sec. 001   Syllabus (March, 23)   Spring 2005

Text   *Differential Equations*, by Edwards and Penney, 3rd Ed.

Prerequisites   Math 106, 107 and 208. You must be familiar with differentiation and integration techniques, vector fields, and parameterized curves.

Calculator   You are required to have a graphing calculator for this course. The `TI-85` or `TI-86` is strongly recommended.

Reading   Please do the reading from the sections before coming to class each day. Your instructor will be planning class activities assuming you have done the reading.

Schedule   The pace of the course, order of topics, number and dates of exams, projects and quizzes may be varied at the discretion of your instructor. Your instructor will describe his/her grading policy either in class or in a separate document.

Computer Lab   Some work in Math 221 may require the use of a computer algebra system. The Math Department Computer Lab (Avery 18) is available for this purpose for all students enrolled in the course. The computer lab also gives students access to email and the Internet. To obtain a computer account, students must attend a lab orientation session. The schedule for orientation sessions will be announced in your class near the beginning of the semester.

Final Exam   All Math 221 students are required to take a comprehensive Final Exam. The final exam will be in Avery 119, 7.30–9.30 AM on May, 3 (Tuesday). You must arrange your personal and work schedules to allow you to take the exam at this scheduled time.

Date	Section	Remarks
January 10 M	1.1	
12 W	1.2	
14 F	1.3	
Martin Luther King Day: January 17th		
January 19 W	1.4	
21 F	1.4, 1.5	

January 21st is the last day to withdraw without the course appearing on your transcript. From January 22nd to April 8th you can drop without the instructor's approval with a grade of W. After April 8th you cannot withdraw from the course.

Date	Section	Remarks
January 24 M	1.5	
26 W	2.1	
28 F	2.2	
January 31 M	2.3	
February 2 W	2.4	
4 F	Review	
February 7 M	Midterm 1	
9 W	Test and homework discussion	
11 F	3.1	Hand out project
February 14 M	3.1	
16 W	3.2	
18 F	3.3	
February 21 M	3.3	
23 W	3.5	
25 F	3.5	
February 28 M	3.5	
March 2 W	Project discussion	Project due
4 F	Review	
March 4th is the last day to change your grade option to or from Pass/No Pass.		
March 7 M	Midterm 2	
9 W	4.1, 5.1	Systems and matrix notation

11 F	5.2	
Spring Break: March 13rd to March 19th		
March 21 M	5.2	
23 W	5.2, 5.4	Multiplicity 2 (pp. 328–333)
25 F	5.6	Undetermined coefficients (pp. 358–361)
March 28 M	6.1	
30 W	6.1	Population models
April 1 F	Review	
April 4 M	7.1	
6 W	7.1	
8 F	Midterm 3	
April 11 M	7.2	
13 W	7.3	
15 F	7.4	
April 18 M	7.5	
20 W	7.5	
22 F	7.6	
April 25 M	Instructor's choice	
27 W	Instructor's choice	
29 F	Instructor's choice	

Departmental Grading Appeals Policy The Department of Mathematics does not tolerate discrimination or harrassment on the basis of race, gender, religion, or sexual orientation. If you believe you have been subject to such discrimination or harrassment, in this or any math course, please contact the department. If, for this or any other reason, you believe your grade was assigned incorrectly or capriciously, appeals may be made to (in order) the instructor, the department chair, the departmental grading appeals committee, the college grading appeals committee, and the university grading appeals committee.