TEXT: *Fundamentals of Differential Equations*, Nagle, Saff, Snider, fifth edition., Addison-Wesley (2000).

COMPUTING: Some work in Math 221 may require the use of a computer algebra system. The Math Department Computer Lab (Bessey 105) is available for this purpose for all students enrolled in the course. The computer lab also gives students access to email and the World Wide Web. To obtain a computer lab account, students must attend a lab orientation session. Sign-up sheets will be posted on the door of Bessey 105.

DAILY WORK: Do the reading from the sections to be covered before coming to class each day. Your instructor will be planning class activities assuming you have done the reading. The exercises suggested below represent a minimal assignment and should also be done as the material is covered. Some students may have to work additional exercises from the text to attain sufficient mastry of the material.

PREQS: Math 106, 107, and 208. You are expected to know differentiation and integration techniques and to be familiar with vector fields and parameterized curves.

NOTES: The pace of the course, order of topics, number of exams, projects, quizzes, and number of assignments may be varied at the discretion of your instructor. Your grade in the course will be determined by your instructor, who will describe his/her grading policy in detail.

EXAMS: Examinations may, in part, test whether the student can apply concepts learned in the course to new situations; thus, problems appearing on the exams may not be exactly like exercises in the text.

PROJECT: You will be given one group project, assigned as detailed in the schedule below.

FINAL EXAM: All Math 221 students are required to take a comprehensive final examination covering all the topics listed on this syllabus, barring a specific announcement to the contrary. The final exam will be in your regular classroom at the time listed in the UNL Schedule of Classes. You must arrange your personal and work schedules to allow you to take the exam at this scheduled time. Students with conflicting exam schedules may be permitted to take an alternate final exam AFTER the regularly scheduled exam.

WEEK	DATES	SECTIONS	EXERCISES
1	Aug 26-30	1.1, 1.2, 1.3	p.5: 1, 5, 6, 8, 11, 13, 16 P.14: 1, 4, 7, 9, 12, 16, 18, 23, 25 p.22: 1, 3, 5, 7, 8, 11, 16
2	Sep 2 Sep 3-6	 1.4, 1.5	Labor Day holiday p.31: 1, 4, 7, 10, 13, 15, 19 p.35: 1, 3, 7, 12

Friday, September 6, is the last day to withdraw from the course and not have it appear on your transcript.

WEEK	DATES	SECTIONS	EXERCISES
3	Sep 9-13	2.1, 2.2, 2.3, 2.4	p.51: 3, 6, 9, 15, 20, 23, 31 p.59: 1, 4, 6, 9, 11, 14, 17, 20, 23 p.70: 3,5, 8, 9, 12, 15, 21, 25
4	Sep 16- 20	3.1 REVIEW/CATCH UP EXAM 1	p.104: 1, 2, 5, 7, 9, 12, 21, 25
5	Sep 23-27	3.2, 3.4, 4.1, 4.2	p.121: 1, 5, 7, 13 p.160: 1, 3, 4 p.166: 1, 3,4,7, 11, 15, 18, 23, 26, 31

WEEK	DATES	SECTIONS	EXERCISES
6	Sep 30-Oct 4	4.3, 4.4, 4.5	p.176: 1, 3, 5, 7, 10, 13, 15, 17, 19, 23 p.181: 1, 4, 5, 9, 10 p.189: 1, 4, 9, 13, 16, 21, 25, 32, 35
7	Oct 7-11	4.6 REVIEW/CATCH UP EXAM 2	p.198: 1, 5, 9, 16, 21, 25, 33, 36
8	Oct 14-18	6.1, 6.2, 6.3, 4.7 PROJECT ASSIGNED	p.345: 1, 3, 5, 8, 11, 15, 23, 29 p.352: 1, 4, 9, 12, 15, 18, 19, 31 p.359: 1, 4, 7, 10, 11, 15, 18, 23, 26 p.202: 1, 4, 7, 11, 13, 15, 18

Friday, October 18, is the last day to change your grade option to or from "Pass/No Pass".

WEEK	DATES	SECTIONS	EXERCISES
9	Oct 21-22 Oct 23-25	 4.8, 4.9	Fall Semester break p.211: 1,5, 9, 15, 18, 21, 27, 33, 37, 39, 45, 49 p.217: 1, 5, 9, 13, 17
10	Oct 28- Nov 1	5.1, 5.2, 7.1	p.274: 1,3,4, 7 p.274: 10,11, 14, 19, 21, 29
11	Nov 4-8	7.2 REVIEW/CATCH UP EXAM 3	p.381: 1, 5, 8, 11, 13, 16, 19, 21, 24, 26, 31
12	Nov 11-15	7.3, 7.4	p.386: 1, 4, 7, 11, 15, 21, 21, 24, 31, 33 p.396: 1, 3, 5, 8, 11, 13, 20, 21, 25, 29

Friday, November 15, is the last day to withdraw from the course and receive a grade of W.

WEEK	DATES	SECTIONS	EXERCISES
13	Nov 18 -22	7.5, 7.6	p.405: 1, 4, 7, 10, 15, 21 p.417: 1,3,5,6,8,11,15,21,24,29,33
14	Nov 25-26 Nov 27-Dec 1	7.7	p.427: 1,4,5,9,12,13,15,19 Thanksgiving vacation
15	Dec 2-6	PROJECT DUE REVIEW/CATCH UP Exam 4	Due date is Dec 2
16	Dec 9-13	REVIEW/CATCH UP	

Department Grading Appeals Policy: The Department of Mathematics and Statistics does not tolerate discrimination or harassment on the basis of race, gender, religion or sexual orientation. If you believe you have been subject to such discrimination or harassment, in this or any math course, please contact the department. If, for this or any other reason, you believe that 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.