Math 2410Q (211Q): Elementary Differential Equations

Professor Hohn

Fall 2013

Lecture: Section 003: TuTh 11:00am−12:15pm, MSB 319,
Section 008: TuTh 8:00−9:15am, MSB 407

Credit Hours: 3 credits

Prerequisite: MATH 1132, 1152 or 2142. Recommended preparation: A grade of C− or better in MATH 1132; and MATH 2110 or 2130. Not open for credit to students who have passed MATH 2144 or 2420.

Catalog Description: Introduction to ordinary differential equations and their applications, linear differential equations, systems of first order linear equations, numerical methods.

Textbook: *Differential Equations, Fourth Edition*, by Blanchard, Devaney, and Hall.

Subject Material: We shall cover most of chapters 1 through 4 and chapter 6 of the text.

Reading: Reading the assigned material in advance of each lecture is expected. This will keep the reading interesting and give the lectures more clarity. Reading the sections of the textbook corresponding to the assigned homework exercises is considered part of the homework assignment. You are responsible for material in the assigned reading *whether or not it is discussed in the lecture.*

Lecture: Attending the lecture is a fundamental part of the course. You are responsible for material presented in the lecture whether or not it is discussed in the textbook. You should expect questions on the exams to test your understanding of concepts discussed in the lecture *and* in the homework assignments.

Homework: Homework exercises will be assigned on the course homework webpage and be collected in class on the date listed. No late homework will be accepted! You should make every effort to complete each assigned homework problem. You may seek help during office hours with any exercises you have difficulty solving. Notice that the solutions to certain exercises are in some textbooks, but be wary of simply mimicking those solutions. Genuinely "struggling" with the exercises is an important part of mathematics: do not expect to know immediately how to solve every problem by looking at it. Part of the problem-solving process is trying things until you find something that works. A thorough understanding of how to solve the homework exercises is the best preparation for the exams.

Midterm Exams: There will be three midterm exams, tentatively given on September 19, October 17, and November 14 during class (see the course calendar page). No calculators or notes will be allowed during these exams. **Students will not be allowed to take makeup midterm exams.**

Final Examination: The final examination date and time is determined by the university. The

preliminary final exam schedule sets our exam on **Tuesday, December 10 at 8:00am−10:00am for Section 008 and at 10:30am−12:30pm for Section 003**. The confirmed date and time will be announced in class and on the class webpage as soon as it becomes available. No calculators or notes will be allowed during the final examination.

Regrades: Midterm exams will be returned approximately one week after the exam. If you wish to have your exam regraded, **you must return it immediately to me**. Regrade requests will not be considered once your exam leaves the room. If you do not retrieve your exam during class, you must arrange to pick it up from me within one week after it was returned in order for any regrade request to be considered.

Grading: Your course grade will be determined by your cumulative average at the end of the term and will be based on the following scale:

A	A−	B+	B	B−	C+	C	C−	D+	D	D −	F
93	90	87	83	80	77	73	70	67	63	60	below 60

Your cumulative average will be based on whichever of the following two weighted averages is better.

- 15% Homework, 15% Midterm Exam 1, 15% Midterm Exam 2, 15% Midterm Exam 3, 40% Final Exam

- 15% Homework, 30% Best two midterms from Midterm Exam 1, 2, and 3, 55% Final Exam

Academic Dishonesty: Academic dishonesty is considered a serious offense at UConn. Students caught cheating shall be subject to the sanctions and other remedies described in The Student Code, http://www.community.uconn.edu/student_code_appendixa.html. It is in your best interest to maintain your academic integrity.