

Math 2410Q Syllabus

Elementary Differential Equations

Course: Math 2410Q Elementary Differential Equations

Lecture: Section 011, TR 12:30 - 1:45 in room MONT 321

Instructor: Brandon Alberts

Office Hours: TWR 9:30-10:45, T 3:45-5, or by appointment in room MONT 125

Contact: HuskyCT messages or email: brandon.alberts“at”uconn.edu. Please allow up to 24 hours for me to respond, especially for scheduling a meeting.

Course Description: Qualitative, analytical and numerical methods for first and second order single ordinary equations as well as first order constant coefficient linear system and some special nonlinear systems. Laplace transform and its application to differential equations.

Prerequisites: Math 1132, or 121. Recommended preparation: a grade of C- or better in Math 1132; and Math 2110 or 220. Not open for credit to students who have passed Math 2420. Open to sophomores or higher.

Required Materials (available at the [UConn Bookstore](#)):

1. *A First Course in Differential Equations with Modeling Applications* (11th edition) by Dennis G. Zill
 2. A WebAssign code. This can be purchased as a bundle (\$80) with the textbook through the [UConn Bookstore](#). Alternatively a code can be purchased directly from WebAssign (\$100 with an ebook) and the textbook purchased elsewhere.
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	Percent of Grade	Dates
Homework	15%	weekly
Exam 1	25%	September 27
Exam 2	25%	November 8
Final Exam	35%	to be announced by the Registrar

Homework: The homework will be assigned weekly and graded through WebAssign, which is accessible on the HuskyCT webpage for the course. The assignment will close after the due date and no late assignments will be accepted.

Exams: The exams will be given in class. No calculators, cellphones, computers, or notes will be allowed during the exams. The use of any prohibited materials may result in receiving a grade of 0 on the exam.

Final Exam: The Final Exam will be cumulative, covering all material taught in the course. It will be scheduled according to the university wide Registrar’s schedule of final exams.

Grades: Grades will be posted on HuskyCT within two weeks of the completion date. The base grading scale is as follows:

Grade	Letter Grade	GPA
93-100	A	4.0
90-92	A-	3.7
87-89	B+	3.3
83-86	B	3.0
80-82	B-	2.7
77-79	C+	2.3
73-76	C	2.0
70-72	C-	1.7
67-69	D+	1.3
63-66	D	1.0
60-62	D-	0.7
<60	F	0.0

The instructor reserves the right to lower the grade cutoffs during the semester, and will not announce the final grading scale until after the final exam is graded.

Schedule: This is a rough schedule for the course. It is subject to change as the semester goes on, as some sections may take more or less time than expected.

Week #	Dates	Sections
1	August 28, 30	1.1,1.2,1.3
2	September 4, 6	2.1, 2.2
3	September 11, 13	2.3, 2.4
4	September 18, 20	2.5
5	September 25, 27	2.6, Exam 1
6	October 2, 4	3.1, 3.2, 3.3
7	October 9, 11	4.1, 4.3
8	October 16, 18	4.4, 4.6
9	October 23, 25	5.1, 7.1
10	October 30, November 1	7.2, 7.3
11	November 6, 8	7.4, Exam 2
12	November 13, 15	B.1, B.2, B.3
X	November 20, 22	Thanksgiving Break, no class
13	November 27, 29	8.1, 8.2
14	December 4, 6	8.2, Review for Final