

# Math 2410Q Syllabus

## Elementary Differential Equations

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**Course:** Math 2410Q Elementary Differential Equations

**Lecture:** Section 010, MWF 10:10 - 11:00 in room MONT 321

**Instructor:** Brandon Alberts

**Office Hours:** M 2-3pm, TuTh 10-11:30am, 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.

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**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%              | Wednesday February 20th          |
| Exam 2     | 25%              | Wednesday April 10th             |
| 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.