

Instructor: Rick Taylor (Roderic Taylor)

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Classes: Classes will be held in person in room S56, 8:30 am – 9:20 pm, Mondays, Tuesdays, and Thursday. Pre-recorded lectures will be made available online on material we would have otherwise covered on Wednesdays and Fridays.

WebAssign: WebAssign is optional for this class. I will make assignments available for those who enjoy using it, but no WebAssign will be graded.

Text: A First Course in Differential Equations with Modelling Applications, 11th edition, by Zill, published by Cengage Learning. An electronic version of the text is available in WebAssign. WebAssign is not required for the course, and nothing will be graded from it. However, I will put up homework assignments in it for those who like doing homework that way.

Calculator: A scientific calculator with trigonometric and exponential functions or a graphing calculator is recommended for this class. While they can be used for study and homework, calculators such as the TI-95 that do symbolic calculation are not allowed for exams.

Midterm Exams:

There will be four midterm exams for this course. Each midterm exam will contribute 25% towards your grade. Your lowest midterm exam will be dropped. If your second lowest midterm exam is lower than the final exam score, it will also be dropped. This includes midterms that are missed due to circumstances beyond your control, such as illness or emergencies. Make up exams are not given for missing midterms.

Final Exam:

If your final exam score is higher than your second lowest midterm score, it will contribute 50% towards your final grade. If it is lower than your second lowest midterm scored, it will contribute 25% towards your final grade. It will be given in person in our usual classroom on Wednesday, December 8, 7:00 am – 9:00 am. By registering for this class, you are saying that you are able to take the final exam at this date and time. If due to unforeseen circumstances such as illness or family emergency you are unable to take the final exam at the scheduled time and date, please contact me as soon as possible. In such circumstances, you will need to take an incomplete for the class and arrange a time to make it up.

Pandemic Issues:

You need to submit proof of vaccination or file for an exemption, or you will be dropped from the course. You will need to use Optimum HQ whenever you come to

campus and wear a mask. Detailed instructions for this are given at <https://www.deanza.edu/return-to-campus/students.html>

Extra Credit:

There may be extra credit assignments during the quarter, given online.

Grade:

The final grade is determined by the weighted average of quizzes, midterms, and finals as described above.

- A 92% - 100%
- A- 90% - 91%
- B+ 86% - 89%
- B 83% - 85%
- B- 80% - 82%
- C+ 70% - 79%
- C 60% - 69%
- D 40% - 59%
- F 0% - 39%

An F will also be given in the case one gets a 0 on the final exam.

Honors:

If you are taking the honors version of this class, you will be expected to do extra work, either proposing and carrying out an independent project, or viewing supplemental lecture material and doing extra problems I assign. Failure to do this work will result in lowering the grade for the course by one level (for example from A to A-, or A- to B+).

Policy on dropping:

I am required to drop students who do not attend any of the first two weeks of classes. After that, if you decide you no longer wish to take this class it is your responsibility to go online and formally drop the class by the appropriate deadline. If you fail to do so, I will be unable to drop you at a later date.

Policy on Academic Integrity:

If a student is found to have cheated on an exam, they will receive a 0 for that exam. They will not be able to drop that score from their average as they normally might when computing the final grade

Academic Help:

Mathematics is a challenging subject which takes time and effort to master. Of course, students differ in their backgrounds, but in general you should expect to do a minimum of 10 hours of work per week reading the book, doing homework, and

thinking about the material. This is in addition to the time you spend in class. If you find you are having difficulty with the material, it is important to address the situation immediately, as it's easy to fall behind. The tutorial center is available online for brief questions, as well as one on one sessions with a designated tutor. In addition, I encourage all students to come to my office hours listed above. Often, I'm able to help students talking with them individually in a way that's not possible in a large lecture class.

Student Learning Outcome(s):

- *Construct and evaluate differential equation models to solve application problems.
- *Classify, solve and analyze differential equation problems by applying appropriate techniques and theory.