Math 2A, section 20 Differential Equations Summer 2023

Instructor: Rick Taylor (Roderic Taylor)
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Classes: Classes will be held in person, 10:00 am – 12:15 pm, Monday-Thursday, in our assigned classroom.

Text: A First Course in Differential Equations with Modelling Applications, 10th edition, by Zill, published by Cengage Learning. Only the textbook is required.

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 two midterm exams for this course. There will be no make-up midterms. Instead, your final exam will replace your lowest midterm grade (if it is to your advantage). Each midterm exam is weighted 10 points.

Final Exam:
The final exam will be given Thursday, August 10, 10:00 am – 12:15 pm in our usual classroom. Taking the final is required for passing the course. If due to unforeseen circumstances such as illness or family emergency you are unable to take the final, let me know as soon as possible; you'll need to take an incomplete and make it up. If at the end of the quarter you decide you do not wish to pass the class so that you may be able to retake the course, then do not attend the final. The final exam is cumulative and is weighted 10 points.

Quizzes, Attendance, other activities:
Quizzes, attendance, and other activities will be weighted from 0-6 points. They are weighted according to how much you finished, and are always scored 100%. Therefore they can only raise your overall grade, not lower it.

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%

Policy on dropping:
I am required to drop students who do not attend class by July 5. 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 a very good resource: https://www.deanza.edu/studentsuccess/. In addition, I encourage all students to come to my office hours. 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.

Office Hours:

M,T,W,TH	01:30 PM	02:20 PM	Zoom,In-Person	S12-A