Math 2A, section 3Y **Differential Equations** **Spring 2024**

Instructor:
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Classes: Classes will be held in person, 10:30 am – 11:20 am, on Mondays, Tuesdays, Wednesdays, and Thursdays in our assigned classroom on the De Anza campus.

Text: A First Course in Differential Equations with Modelling Applications, 11th edition, by Zill, published by Cengage Learning. Only the textbook is required.

Calculator:
A scientific calculator with trigonometric and exponential functions may be necessary for exams. A graphing calculator (such as a TI 83 or TI 84) may be used for exams but is not required. More advanced calculators that can do symbolic manipulation may not be used for exams.

Electronic Equipment:
Resources for the class will be made available online via Canvas. You will need to have access to an internet connection, preferably using a computer or tablet of some sort, to access them. You need to be able to receive email from the address you have registered with myportal. You may be asked to submit some assignments to Canvas by scanning and uploading documents. Cell phones can generally do this. Or you can use a tablet with a stylus to write up and then upload assignments.

Homework and Attendance:
Most homework problems will be assigned but not be collected. A smaller number of selected problems will be assigned which you need to submit via Canvas. I will mark these and return them as though they were quizzes, but they are not timed. Attendance will be taken, and you will be given credit for it. You need to come on time to get credit for this Between them, homework and attendance will be weighted from 0-10 points towards your grade. This part of the grade is always counted as 100%, while the weight used depends upon the amount of completion. So, this part can only improve your final grade.

Midterm Exams:
There will be three midterm exams for this course. They will be given in person in our usual classroom, and I will proctor them. There will be no make-up midterms. Instead, your lowest midterm will be automatically replaced dropped. Each midterm exam is weighted 10 points.

Final Exam:
The final exam will be given Thursday, June 27, 9:15 am – 11:15 am in our usual classroom. I will proctor it. Taking the final exam 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. The final score you are assigned for the course will never be less than your final exam score.

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.

Policy on dropping:
I am required to drop students who do not attend any of the first week 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 dishonesty can include but is not limited to using material or references that are not allowed for an exam, receiving help from another student during an exam, copying from another student's exam paper, or aiding another student in doing any of this.

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 Monday through Thursday, 9:00 am – 6:00 pm, both in person in S43 and online. It's a good place to study and meet with other students taking the same class. Staff working there can help you with problems. Towards the beginning of the quarter, you can schedule one on one meetings with a personal tutor.

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,W	12:10 PM	01:00 PM	Zoom,In-Person	S12A
T,TH	12:30 PM	01:20 PM	Zoom,In-Person	S12A