

Math 1A, section 02Y

Calculus 1

Spring 2022

Instructor: Rick Taylor (Roderic Taylor)

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Classes: Classes will be held in person in room MLC 270, 8:30 am – 9:20 am, Mondays, Tuesdays, and Thursday. On Wednesdays and Fridays, we will have synchronized Zoom classes held at the same time.

Text: Calculus: Early Transcendental, 9th edition, by James Stewart, published by Thomson Brooks/Cole, 2016.

Calculator: You will need a scientific calculator with trigonometric and exponential functions that is not a graphing calculator, which does not do symbolic integration, and which is not programmable. This must be a calculator, not a smart-phone, tablet or similar device.

Midterm Exams:

There will be four midterm exams for this course. These will be given in person during our normal class time and location. Makeup midterm exams will not be given. Your final exam score will automatically replace up to two lower midterm scores, which may include midterms that were missed. Each midterm exam is weighted 10 points towards your final grade.

Final Exam:

Taking the final exam is required to pass the course. The final exam will be held in our usual classroom on Wednesday, June 22, 7:00 am – 9:00 am. The final is weighted 15 points towards your final grade.

Other:

Collectively canvas quizzes, in class activities, and attendance are weighted 0-15 points towards your final grade. These activities can only improve your grade; if you miss an activity, it will lower the weight of this component, but the average will still be 100%.

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>

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):

*Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

*Evaluate the behavior of graphs in the context of limits, continuity and differentiability.

*Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.