

**Math 1A, section 4**  
**CRN 40428**

**Calculus 1**

**Spring 2020**

**Instructor:** Rick Taylor (Roderic Taylor)

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**Office Hours:** Office hours will be held online, 12:10 pm – 1:00 pm, Monday through Friday except Thursday.

**Classes:** Classes will be held online from 9:30 am – 10:20 am, Monday – Friday (except on official school holidays). The final exam will be held online on June 23 from 9:15 am to 11:15 am. While lessons will be recorded, you will need to be available at these times when taking exams, particularly midterm exams and the final.

**Text:** Calculus: Early Transcendental, 8th edition, by James Stewart, published by Thomson Brooks/Cole, 2016. Access to WebAssign is necessary for this course and is free to students through spring 2020. Access to Canvas is also required and is available to De Anza students.

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

**Quizzes and take-home problem sets:**

Miscellaneous quizzes and assignments, both in class and out, will contribute to 40% of your overall grade. A number of the lowest such assignments may be dropped.

**Midterm Exams:**

There will be three midterm exams for this course, currently tentatively scheduled for April 30, May 14, and May 28 (all on a Thursday). Each midterm contributes to 15% of your final grade. If your final exam is better than your lowest midterm grade, then your lowest midterm grade will be dropped. This includes midterms that are missed due to illness or other unavoidable reasons. Make up exams are not given for missing midterms. Under extreme circumstances, if a second midterm is missed for a well-documented reason, the final exam score may replace it.

**Final Exam:**

The final exam normally contributes 30% towards your final grade. If your final exam score is lower than your lowest midterm score, then it will contribute 15% towards your overall grade.

Taking the final exam is required to pass this class. It will be given on Tuesday, June 23, 9:15 AM to 11:15 AM (the date and time officially specified by the college). 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.

**Grade:**

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

- A 92.5% - 100%
- A- 89.5% - 92.5%
- B+ 86.5% - 89.5%
- B 82.5% - 86.5%
- B- 79.5% - 82.5%
- C+ 75.5% - 79.5%
- C 67.5% - 75.5%
- D 50% - 67.5%
- F 0% - 49.5%

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 doing projects 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:**

A student who doesn't attend classes or do the online quizzes during the first two days of class and does not contact me will automatically be dropped. 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.