

Math 1A: Calculus I, Summer 2022
June 27th to August 4th
MTuWTh, 5:30 – 7:45 pm on Zoom

Instructor: Matthew Lee

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Required Materials:

- 1) Textbook (online and free)
- 2) Internet and computer access.
- 3) Notebook, paper, and scientific/graphing calculator (optional but helpful)

About the Course: This is the first Calculus course at De Anza College and focuses on differential calculus. The goal of this course is to understand the derivative and its applications.

About the Textbook: We will be using Calculus Volume 1 by Strang, et al., OpenStax. It is a FREE textbook available at <https://openstax.org/details/books/calculus-volume-1>
Calculus can be quite challenging, and I highly encourage you to read each section before and after coming to class to reinforce your learning.

Course website: Canvas will be the main hub of information for the course. All course materials will be uploaded and made available as the course progresses, and you will submit most of your assignments through Canvas.

Since our class is online, it is YOUR responsibility to check Canvas often and keep up with course material, announcements, quizzes, and other assignments. You must develop a good habit of checking Canvas daily if you plan to succeed in all your classes at De Anza, especially in summer!

Grades: We will use a standard letter grading system (97-100 A+, 93-96 A, 90-92 A-, etc).

<i>Weekly Homework</i>	20%	<i>Online Quizzes</i>	10%
<i>Midterm Exams</i>	30%	<i>Classwork and Reflections</i>	20%
<i>Final Exam</i>	20%		

Weekly Homework: There are daily homework assignments, which will use the free website MyOpenMath. Expect to spend multiple hours per week on problems.

You will have multiple attempts on each question.

<https://www.myopenmath.com/>

Make a student account using the Course ID and Enrollment Key provided in Canvas.

Online Quizzes: We will have timed quizzes on Canvas every few days to review some of the fundamental concepts from previous sections. The dates are listed on the Course Calendar. You are welcome to use your notes.

Quizzes are 10% of your grade. If you miss or plan to miss a quiz, let me know ASAP.

Midterm Exams: We will have two midterm exams, one for Chapter 1 and 2 and another for Chapter 3. These are listed in the Course Calendar and are take-home, asynchronous exams which you will submit on Canvas. You are welcome to use your notes, but you must show ALL work and not use any outside help.

Midterm Exams are each 15% of your grade. There may be an opportunity for exam corrections.

Classwork and Reflections: There will be short reflections due at the end of every week where you will have the opportunity to share your thoughts about what we are learning and what you need additional support on. Studies have shown that thinking about your own learning process will make you a better learner as a result and enable you to track your own progress in the course. You will also receive a grade for submitting your Classwork, completing certain problems each week and engaging with your classmates.

Classwork and Reflections are 20% of your grade.

Final Exam: The final exam will be cumulative and will be taken on the last day of class. Just as with the chapter tests, you may use your notes. More details will be given closer to the date.

The final exam is 20% of your grade. There will be no makeup exam.

Academic Integrity: All students are expected to exercise high levels of academic integrity throughout the quarter. As this is an online class, you are more responsible than ever for your own learning – cheating and plagiarism only hurt your own learning experience and will not be tolerated.

Disability Notice: If you have any special circumstances that you feel may influence your performance in this class (a diagnosed learning disability, physical disability, or anything at all that might interfere with your learning), please email or chat with me privately so that we can best accommodate you and we can create a learning environment that works for you. If you have technology issues which are preventing you from accessing our course, please let me know ASAP and we will work out a solution together.

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.

Office Hours:

Zoom

T,TH 02:00 PM 03:00 PM