

De Anza College
Math 12 – Introductory Calculus for Business and Social Science (CRN# 38511)

Instructor: Alex Cheng **Email:** chengalex@fhda.edu

Office Hours: Monday & Wednesday 3:30 PM - 6 PM in E37

Class meets in person every **Monday & Wednesday** from **6:30 PM - 8:45 PM** in **MLC 108**

Course Description: This is an introduction to limits, differentiation, and integration of single and multivariate functions, with applications in business, economics, and social sciences.

Student Learning Outcome(s)

- Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.
- Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Textbook & Required Materials:

- We use a free open-source textbook. This can be downloaded at <https://www.opentextbookstore.com/appcalc/appcalc.pdf>

Attendance: This is an in-person course, attendance will be taken in every in-person meeting. Students are expected to attend all class meetings, arrive on time, take note, and stay for the entire class. Students who missed 3 meetings will be dropped from the course.

Attendance on the first day is **MANDATORY**. If you don't come to class on the first day, then you will be dropped from the class.

Smartphone Use: All smartphones must be on silent mode and put away during lecture. We do not learn how to text or search the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows so.

Grade Breakdown: A:100-90% B:89.99-80% C:79.99-70% D:69.99-60% F:<59.99%

Classwork/Homework	100 Points
Quizzes (4)	80 Points
Exams (2)	200 Points
Final	100 Points
Total	480 Points

Homework: Homework will be assigned and completed through canvas. Pay close attention to due dates and do not wait until the last minute to start the assignments. Extensions for the homework can be given if needed. Extensions can't be given on homework assignments that are two weeks old.

Quizzes: There will be 4 quizzes. **NO MAKE-UP** will be allowed. Please don't ask or email about a make up quiz.

Exams: There will be 3 exams which will all be taken in person. **NO MAKE-UP** will be allowed. Please don't ask or email about make up tests. The Final Exam is cumulative, covering all material in this course. The Final Exam is mandatory.

Extra Credit Assignment: There are no extra credit assignments in this course to improve your grade. Please do not ask for any.

Tutoring Services: The De Anza campus has a free tutorial center for math students where students can get "drop in" help or make appointments with a tutor. Also, there are specific MPS tutors available for free. Check Canvas for links to access these tutors through Zoom meetings. Additionally, I am very glad to help you in office hours. Please use your resources.

Academic Integrity: All students are expected to exercise high levels of academic integrity throughout the quarter. You are encouraged to work together but you are expected to write up your answers independently. Any instances of cheating or plagiarism will result in disciplinary action, including getting a '0' on the assignment and report to the PSME dean, which may lead to dismissal from the class or the college

Student Honesty Policy: "Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal."

Disabled Services: Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to <http://www.deanza.edu/dss>.

Recipe for Success:

1. If you ever have any questions, Email me! You are welcome to send email to me whenever you need help!
2. Visit the Online Tutoring Center.
3. Form a study group.

4. Attend all lectures, participate in every discussion, and complete every homework assignment.
5. Read the sections to be discussed in class prior to the lecture

Winter 2025 Tentative Schedule

Week	Monday	Wednesday
1	2.1	2.2
2	2.3	2.4, Quiz#1
3	Holiday	2.5
4	2.6	2.7, Test#1
5	2.8	2.9, Quiz#2
6	2.10	3.1
7	Holiday	3.2, Quiz#3
8	3.3	3.4
9	3.5, 3.6	3.6, 3.7, Test#2
10	3.7, 3.8	3.8, 4.1, Quiz#4
11	4.2, 4.3	Review
12	<u>Final Exam</u> 6:30 - 8:45 PM	

Important Dates and Deadlines: <http://www.deanza.edu/calendar/dates-and-deadlines.html>

De Anza Final exams schedule: <https://www.deanza.edu/calendar/final-exams.html>

***This syllabus is subject to change at the instructor's discretion. Changes will be announced in class and on Canvas.**

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Office Hours:

In-Person In-Person M,W 3:30 PM 6:00 PM