
Math 12- De Anza College- Fall 2026- Syllabus

Instructor: Reza Shariatmadari

Course Name: Introductory Calculus for Business and Social Science

Class dates: This class runs from 09/21/2026 to 12/11/2026.

CRN/Section: 27563 / 61Z

Number of units: 5

Location: This is an online asynchronous class that does not have schedule meetings.

Office Hours: Monday 3:00 PM to 4:00 PM

Email: shariatmadarireza@fhda.edu

Textbook: Applied Calculus, 7th edition, by Waner (see De Anza bookstore for more details).

Course Description:

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

Course pre-requisite:

Intermediate algebra or equivalent (or higher), or appropriate placement beyond intermediate algebra.

Advisory:

ESL 272 and ESL 273, or ESL 472 and ESL 473, or eligibility for ENGL C1000 or ENGL C1000H or ESL 5.

Homework Assignments: Homework is an integral part of the course. Homework assignments will be posted on Canvas based on our progress throughout the semester.

Midterms, Exams and Quiz: There will be 6 quizzes this semester. Quizzes and exams are **cumulative**. Any change in quiz dates and/or location will be announced in advance. For more details about quiz and exams see page (8).

Tentative Exam Schedule:

Quiz 1: Wednesday, October 14, 2026

Quiz 2: Monday, November 09, 2026

Quiz 3: Wednesday, December 02, 2026

Final Exam: Wednesday, December 09, 2026

Academic Integrity: Students are expected to exercise academic honesty and integrity. Violations such as CHEATING and PLAGIARISM will result in an AUTOMATIC ZERO for that assignment or exam, and possibly further disciplinary action which may include recommendation for dismissal. Students are reminded that their behavior always reflects upon the college and the community. The minimum penalty for cheating, plagiarism, etc. is a grade of zero on the assignment. For additional information on the college's policies, read the Academic Honesty at <http://www.deanza.edu/studenthandbook/academic-integrity.html>.

ADA Accommodation:

Students requiring special services or arrangements because of hearing, visual, or other disability should contact their instructor, counselor, or the Disability Support Services (DSS) to make arrangements as soon as possible.

Students Learning Outcomes:

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.

Grades: Course grades will be determined by Assignment, quiz, and final exam. Your grade is always available to you on Canvas. I reserve the right to make changes to the syllabus at any time; you will be notified via Canvas announcement if such changes occur. I will not discuss grades via email for your security and privacy reasons, so consult with me (via zoom) during office hours throughout the semester. **I strongly suggest that you do not leave anything for the last minute.**

General guidelines are as follows:

Homework Assignments: 10%

Quiz 1: 15%

Quiz 2: 20%

Quiz 3: 25%

Final Exam: 30%

Your Course letter grade will be determined based on the following percentiles:

(A) 94% to 100%

(A-) 90% to < 94%

(B+) 87% to < 90%

(B) 84% to < 87%

(B-) 80% to < 84%

(C+) 77% to < 80%

(C) 74% to < 77%

(C-) 70% to < 74%

(D+) 67% to < 70%

(D) 64% to < 67%

(D-) 60% to < 64%

(F) 00% to < 60%

Course policy and important information and guidelines about our class. Please Read Carefully and refer to these sections throughout the semester:

This course serves as a professional training ground, where you will develop a comprehensive set of problem-solving skills that will be highly valuable in both academic and professional settings. To ensure your success, I will challenge you rigorously, as the real world demands a high level of preparedness from its participants. In return, I promise to treat you with the respect and dignity that emerging professionals deserve, earned through hard work and dedication rather than authority.

This course also equips you with the scientific mindset, emphasizing the importance of precision and empirical evidence in establishing credibility. While mastery necessitates effort, you will emerge equipped to address sophisticated algorithms, cryptographic protocols, and the fundamental principles of artificial intelligence. We will operate under three fundamental principles:

1. Precision is Essential: Show your work (homework, quiz, and exams) in full detail.
2. Perseverance is Essential: Overcoming challenges is paramount for achieving mastery. Constructive frustration serves as a steppingstone to success.
3. Professional Standards are Adhered To: Work should be submitted in a manner consistent with that of a professional, **ensuring timely delivery**, appropriate formatting, and thorough justification.

Your work requires:

- 1- Preparation
Attempt to solve the problems on your own or with your classmates. "I didn't understand" is acceptable, "I didn't try" is not.
- 2- Critique Ideas
Challenge arguments with evidence.
- 3- Struggle Out Loud
If you are experiencing confusion, specify precisely where you are encountering difficulties. Concealing information is counterproductive and hinders progress.
- 4- Forward Focused
Errors serve as valuable learning opportunities. Revisions should not be perceived as punishments; rather, they are essential components of the mastery development process.

Attendance: Math 12 is an asynchronous online class, which means you are solely responsible for maintaining your coursework and ensuring that you comprehend the subject matter covered in this class. This entails reading the textbook, solving problems, and practicing extensively, utilizing the problems provided within the textbook and recommended problems file.

Student participation and discussion is an important component of this class and can have a positive effect on your grade.

Given the modality of this course (Asynchronous), one way that I keep track of student participation is by looking at your activities through "**Discussions**" tab on Canvas. So, I highly suggest that you work together as groups and start discussions on the topics presented in this course and solve problems.

Policies and Protocols:

- 1- Late work will **not be accepted under any circumstances**, nor will credit be given for late homework or assignments.
- 2- **Under no circumstances will a makeup quiz or exam be administered.**
- 3- To submit assignments, quizzes, exams, or any documents to Canvas, ensure that your document is saved as a **PDF** file. **All other file types are not accepted.**
- 4- You are solely responsible for maintaining your coursework and ensuring you comprehend the subject matter covered in this class. This entails reading the textbook, solving problems, and practicing extensively, utilizing the problems provided within the textbook and the "Recommended Problems" file posted on Canvas.
- 5- To contact me, the most efficient method is to send me an email. I will do my best to respond to your emails promptly.
- 6- I reserve the right to make revisions to this syllabus. Any updates regarding changes to the syllabus will be communicated through Canvas's "Announcements" section.
- 7- You are responsible for maintaining an accurate record of significant dates on the academic calendar. <https://www.deanza.edu/calendar/>
- 8- Office hours are on ZOOM.
- 9- Check your course Canvas page **frequently**. **Respecting deadlines** are crucial to your success in this course. **Remember that I will not accept any late work under any circumstances.**

Here are some valuable tips to enhance your success in this course:

Your academic achievement in this class holds significant importance to me, and I am committed to providing comprehensive support to assist you in achieving your objectives.

- 1- Develop an active learning approach rather than relying solely on memorization. Emphasize comprehending the underlying concepts and principles.
- 2- When you try to solve a problem, make sure you understand what the problem is asking for. Read the question multiple times if needed. Think about how you are going to solve the problem, and what is your strategy for solving the problem.
- 3- Embrace Imperfection and Perseverance. Do not be apprehensive about making mistakes. It is perfectly acceptable that you may not be able to solve a problem on the initial attempt. Persevere and attempt to solve it again. Regardless of the outcome, never succumb to defeat.
- 4- Your progress is directly proportional to your commitment to mastering the materials in this course. I anticipate that you will allocate a minimum of three a day to manage your study for this course. I highly suggest that you work together to solve problems and to discuss the concepts presented in this course.

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My Expectations:

By the end of this semester, I would like you to be able:

- 1- To match key terms to the appropriate concepts and definitions.
- 2- To define key terms in your own words.
- 3- To recognize and use concepts and procedures correctly in new situations appropriate to your discipline.
- 4- To break larger issues and problems into their component parts to facilitate problem solving and deeper understanding.
- 5- To combine concepts and procedures from this class in new ways so you can solve problems and create new ways of seeing the course content.
- 6- To compare and contrast information in such a way that allows you to solve problems and accomplish your goals.
- 7- Finally, one of my objectives is for you to develop self confidence in your abilities to learn mathematics mainly by reading, thinking, and asking questions, rather than memorizing bunch of formulas.

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Quiz/Exams Procedures and how to succeed in this course

First and foremost, to succeed in this class, I suggest that you immediately plan and schedule your study time. This includes time to read your textbook, go over the power point presentations, complete all assignment including quizzes and the final exam, **ON TIME**.

Remember, I will not accept any late work **under any circumstances**. Grades are **NOT** curved and no assignment or quiz will be dropped.

Develop the habit of checking your class Canvas pages **at least** twice a day for any new activities. You are responsible for keeping up with all dates, schedules, and deadlines. Once again, I highly suggest that you check the Canvas page **frequently**.

Pay attention and keep up with quiz and final exam schedule. Quizzes become available at 6 AM on the day of the quiz/exam and are due on the same day by 11:59 PM.

All quizzes/Exams are **TIMED**, which means you don't have an entire day to answer the questions on the quiz/exam. You can only choose the time you start the quiz/exam. In general, a quiz/exam may take about 90 minutes to complete. You must upload your answers before your time expires. So, keep track of your time.

All quizzes will be posted on Canvas, under "Assignment" and "Quiz" tab. There will be a **PDF** file that contains all the questions. Write your answers on a **separate** piece of papers. When you are done, scan your answers, and upload it to Canvas.

I will not accept any answers via email under any circumstances. It is your responsibility to manage your time during quiz/exam in such a way that you have enough time to upload your work to Canvas.

Important:

To obtain full or partial credit, you must demonstrate your work step-by-step and in detail. Ensure clarity and neatness in your writing. **Simply providing a final answer without showing detailed work will not result in any credits.** I will grade your quizzes and assignments based on the clarity, detail, legibility, and logical construction of your arguments.

If you have any question about the quiz/exam procedures, see me immediately during office hours.

Final Remarks:

All quizzes and exams are strictly for **your exclusive use**. **Sharing them with anyone, posting them online, or using any other means without my written and verbal consent is strictly prohibited.** You are solely responsible for keeping quizzes and exams for your personal use.

To obtain full or partial credit, you must demonstrate your work step-by-step and in detail. Ensure clarity and neatness in your writing. Simply providing a final answer without showing detailed work will not result in any credits. I will grade your quizzes and assignments based on the clarity, detail, legibility, and logical construction of your arguments.

Use of Artificial Intelligence:

Artificial intelligence software is strictly prohibited (and considered cheating) for solving quiz and exam problems in this class.

To ensure compliance with this rule, I may run your submissions (homework, exam, quiz) through software that detects AI-generated work.

If detected, you'll receive a zero grade and be reported to college for disciplinary action.

Welcome to Math 12, and I trust you will find this class enjoyable.

R.S.

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I _____ have read this syllabus in its **entirety**, and acknowledge that **I have understood the content and agree to comply accordingly.**

Signature _____

Date _____

You must fill out this form and upload it to Canvas by the due date.

Please write your full name clearly, sign, and date.

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.

Office Hours:

3:00 PM - 4:00 PM	Zoom	M
4:00 PM - 5:00 PM	Zoom	M