DeAnza College

Physical Sciences, Mathematics, & Engineering Division
Math 1A: Calculus I
Spring 2022 Syllabus

Instructor: Ms. Jennifer gutierrez
Email: gutierrezjennifer@fhda.edu

Office Hours: Monday – Thursday via Calendly
Office: Zoom Video Call

Required Materials

1. **Book:** *Calculus Volume I* by OpenStax*****
2. **Homework:** MyOpenMath (M.O.M.)*****
3. **Calculator:** https://www.desmos.com/calculator or a graphing calculator
4. **Scanner:** CamScanner mobile app, Genius Scan mobile app, a printer, or any other scanning application/ device.
5. **Camera:** A webcam such as a stand-alone device, laptop, or phone is expected for testing purposes.

**See our Canvas Homepage for details*.

Course Description

We will focus on the fundamentals of differential calculus.

Class Structure

This class will be meeting synchronously over Zoom during the scheduled days & times, i.e., **Monday through Friday** from **10:30am to 11:20am**. Class attendance & participation are expected. As such, lectures will not be recorded nor class notes will be posted.

Student Mentality

Students are encouraged to come into this course with a new mindset. This means that students are asked to leave behind any prejudice or previous bad experience with math & begin this course with a positive attitude. (Yes, it's a big ask but it's important!) Furthermore, successful students will ask questions, seek help, & be proactive with their education.

Instructor Commitment

My goal in this class is to create a welcoming environment for all students. I will assist students with the content as well as encourage students to ask questions & seek help when needed.

Communication

I will communicate via email &/or Canvas, ***so it is essential to check your email frequently & be aware of any communication posted or sent in Canvas.*** When emailing me, please write in the email's subject line both the **course name** & the **email's subject**. For example, *Math 1A, Homework Help*. You can expect a response from me within 24 hours when emailing during the week. If you don't hear back within 24 hours, shoot me another email.

To be current with the communication in Canvas, you can update Canvas notification settings following these steps:
Log into ***Canvas*** → go to ***Account*** → go to ***Notifications*** & adjust your ***Notification Preferences*** so that you have selected "***Notify me right away***" for Announcement, Submission Comment, Discussion Post & Conversation Message. The other notification settings are up to you.

Course Evaluation

(1) M.O.M. Homework	15%	(4) Discussions	5%
(2) Paper Homework	15%	(5) 3 Midterm Exam	45%
(3) Class Participation	5%	(6) 1 Final Exam	15%

M.O.M. Homework

- Expect every section to have a homework assignment in M.O.M.
- M.O.M. homework is intended for you to get **practice** with the topics discussed in class.
- All M.O.M. homework assigned in any given week will be due by the following **Monday @10:30am**.
- You should aim to chip away at the homework everyday – don't procrastinate.
- Late homework is accepted. The last day to request an extension on a homework assignment is 2 days after it was originally due. *Exceptions may occur for certain circumstances.*

If you are frequently asking for homework extensions, a late penalty may apply.

Paper Homework

- Expect every section to have more than one short, paper homework assignment.
- Paper homework is intended for you to (1) ensure you are writing correct mathematics, (2) assess & challenge your understanding of the material, (3) make sure you are showing all necessary work, & (4) prepare you for the exams. ***As such, you will be submitting a polished assignment, not scratch work.*** You will be graded based on the following guidelines:

I.	Neatness (10%)	Is your work numbered, legible, organized, & easy to follow?
II.	Technicality (15%)	Did you use correct math notation? Are your ideas coherent?
III.	Completeness (75%)	Did you show all necessary work that got you to your answer?

- See Canvas for paper homework deadlines.
- You should aim to chip away at the homework everyday – don't procrastinate.
- Late homework is accepted. The last day to request an extension on a homework assignment is 2 days after it was originally due. *Exceptions may occur for certain circumstances.*
- Got a low score? Let's chat in office hours so you can learn from your mistakes & get partial credit.

If you are frequently asking for homework extensions, a late penalty may apply.

Class Participation

- Expect to participate in our Zoom class meetings by typing in the chat, speaking, answering polls, asking questions, or working with others. On occasion you will have the opportunity to do groupwork with your classmates via Zoom breakout rooms where you are strongly encouraged to have either your webcam or microphone on.
- A few low scores will be dropped at the end of the quarter to make up for any absences throughout the term.

Discussions

- Expect to have a weekly discussion board on most weeks.
- The discussions are intended for you to (1) interact with your fellow peers throughout the term, (2) help each other on the homework assignments, (3) create a support system with one another, & (4) discuss ideas from the class material.
- Discussion boards close on **Mondays @8:59pm**.
- Late discussion responses are **not** accepted. *Exceptions may occur for certain circumstances.*
- The lowest score will be dropped at the end of the quarter.

Exams

- Expect to have a total of 3 Midterm Exams on the weeks shown in the class schedule.
- You are asked to have your camera on to ensure sufficient proctoring of academic integrity.
- The Final Assessment will be administered at the end of the term.
- If you do not take the final exam, you will **not** receive a passing grade.

Grading System

A	$94\% \leq x$
A-	$90\% \leq x < 94\%$
B+	$87\% \leq x < 90\%$
B	$83\% \leq x < 87\%$
B-	$80\% \leq x < 83\%$
C+	$77\% \leq x < 80\%$
C	$70\% \leq x < 77\%$
D	$60\% \leq x < 70\%$
F	$x < 60\%$

Student Success Center

Need help with this course? Want more personal connections this quarter? Student Success Center tutors & workshops are ready for you! Watch the SSC Welcome Video to learn more.

(1) Tutoring: To join a Zoom tutoring room during open hours, go to http://deanza.edu/studentsuccess.
(2) Workshops: Attend a Skills Workshop, a content-specific math/science workshop, an Accounting chapter review workshop, or a Listening and Speaking workshop.
(3) Resources: Join the SSC Resources Canvas site to see content & learning skills links.
(4) After-hours or weekend tutoring: See the Online Tutoring page for information about NetTutor (via Canvas).

Academic Integrity

In the 2020 – 2021 academic year, **three (3)** incidents were reported to the Dean & the College Disciplinary Officer of De Anza Community College. In Winter 2022, **one (1)** incident was reported. Academic dishonesty will not be tolerated. Students are not to copy, cheat, forge, nor obtain an unfair advantage with any assignment in this course. Appropriate actions will be pursued in suspicion of academic violations. For more information, visit the following link. https://www.deanza.edu/policies/academic_integrity.html.

Disability Accommodations

"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 the DSS office in the Registration & Student Services Building (RSS) – Room 141 for information on eligibility and how to receive support services. You can also go online to https://www.deanza.edu/dsps/ (Links to an external site.) for additional information."

Recording Policy

"To ensure compliance with the Family Education Rights and Privacy Act (FERPA), student recording of class lectures or other activities is generally prohibited without the explicit written permission of the instructor and notification of other students enrolled in the class section. Exceptions are made for approved accommodations under the Americans with Disabilities Act."

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.