Math 1A.47Z – Calculus — Winter 2022
Meets: MW, 6:30 PM to 8:45 PM
Online classes via Zoom

Instructor: Lilit Mazmanyan	
Contact: mazmanyanlilit@fhda.edu	**Office hours:** Friday, 5:00 – 6:00 PM, online via Zoom (check Canvas course for instructions)

This is an online class and instructional method is **synchronous**. Lectures will be delivered online via Zoom during scheduled class times. Virtual breakouts will be used for group collaboration. Instructions how to connect Zoom lectures can be found on **Canvas**, which are accessible to you via **MyPortal** as you are enrolled in the course. You can also access Canvas using direct link (https://deanza.instructure.com) with your MyPortal login credentials.
We will communicate via Canvas Inbox, discussion board, Zoom office hours, and emails. Check periodically Canvas announcements. Instructions to access WebAssign for online assignments and Zoom for office hours can be found on our Canvas course.
Information about Canvas, Zoom, and Online Education Orientation can be found in Canvas on the Student Resources page: https://deanza.instructure.com/courses/3382. The Student Online Resources hub with extensive information and tips can be found at deanza.edu/online-ed/students/remotelearning.

Course Description
Fundamentals of differential calculus.

Requisites (Not open to students with credit in MATH 1AH.)
Prerequisite: MATH 32, 43 or 43H (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year.
Advisory: EWRT 211 and READ 211, or ESL 272 and 273.

Textbook
James Stewart, Daniel Clegg & Saleem Watson "**Calculus: Early Transcendentals**", bundled with WebAssign Access Code, 9th Edition, Cengage 2021.

You can choose to buy only the **WebAssign Access Code** and have access to the **e-book** and online assignments.

Homework and tests must be completed online using WebAssign software.
You need a Class Key and Access Code for WebAssign.
- **CLASS KEY** to register on WebAssign **WILL BE SENT TO YOU BY EMAIL.** You must self-register at http://www.webassign.net to use the WebAssign.
- **ACCESS CODE** can be purchased online after signing in WebAssign or through De Anza College bookstore.
- WebAssign is FREE for the first two (2) weeks of the quarter only.

Follow the link on additional information on Cengage/WebAssign.

Calculators
- A TI-83 PLUS, TI-84 or TI-84 PLUS graphing calculator is recommended for this course.
- If you do not have graphing calculator you can use online graphing calculator via website as https://www.desmos.com

Weekly course lectures and assignments, and other resources, grades and announcements will be published on our Canvas course (https://deanza.instructure.com).

Homework (HW)	• Homework must be completed online through WebAssign. • Each homework is due Sunday. • After the due date/time, HW cannot be submitted for credit. • Answer key is available online after the deadline. • The lowest homework score will be dropped. • You can ask your HW questions during our Zoom office hours or anytime through "ask my teacher" on WebAssign or through Canvas Inbox.
Group Work (GW)	• GW will be assigned randomly during the class times. • There are about tree to four group works. • GW must be completed in groups of at least two and no more than four. • Topics and details will be discussed in class. • Work with details must be uploaded on Canvas as one document. • Due date will be announced in class.
Quizzes (Q)	• Quiz must be completed online through WebAssign. • There are four quizzes based on classwork and homework problems. • Quizzes are timed, and they are assigned on scheduled Wednesday due Thursday. • You have two attempts for quiz. • NO MAKE-UP QUIZZES are given. • Missed quiz is graded as a zero (0). • The lowest quiz score will be dropped.
Exams & Final Exam (EX,FE)	There will be four (4) examinations through WebAssign. • EX 1, 2 & 3 are one hour each and Final exam is two (2) hours. • EX 1, 2 & 3 and the FE dates are on the course schedule. They are assigned on scheduled Wednesday due Thursday. • It is required to submit your handwritten work details of exam on Canvas. You will have additional 15 minutes to scan or take a picture of your work and upload on Canvas. • Possible partial credits are available based on your work details submitted on time. • It is recommended to have ready one or two sheets of notes. • There are NO MAKE-UP examinations. • An absence from any examination earns a grade of zero (0). • You MUST take the final exam to pass the course. Check the announcements and follow the course schedule on Canvas and WebAssign.

Grading

Students will be graded on homework (HW), group works (GW), quizzes (Q), and exams (EX1, 2 & 3, FE).

Distribution of weights for each category

Category	% Weight on Final Grade
Homework	5 %
Group Work	5 %
Quiz	10 %
Exam 1	20 %
Exam 2	20 %
Exam 3	20 %
Final Exam	20 %

Grading Scale

			A	94-100		A-	90-93
B+	87-89		B	83-86		B-	80-82
C+	77-79		C	70-76		D	60-69
						F	<60

Extra Credit

During the course you will have opportunities for extra credits. There will be extra problems included in the coursework.

Important Dates and Deadlines

https://www.deanza.edu/calendar/

Monday	**January 3**	First day of Winter Quarter 2022
Saturday	**January 15**	Last day to add classes
Monday	**January 17**	Last day to drop classes with no record of "W" Last day to drop classes for full refund or credit
Monday	**January 17**	Martin Luther King Jr. Holiday. No class
Friday-Monday	**February 18-21**	Presidents' Holiday. No classes
Friday	**February 25**	Last day to drop classes with a "W"
Wednesday	**March 23**	Final examination

Online Education Center

- Student Resource Hub: Visit this site for tips, guides and answers to your questions about using Canvas, Zoom and other online learning tools that your classes may be adopting.
- Staying Organized: This webpage has advice for planning and staying on top of your online coursework.
- Canvas Help: Need technical support with Canvas? This page has information on how to get help.
- More Student Resources: Visit this page for more links and tips.

California Virtual Campus

- Get Ready for Online Learning: This website has videos about getting "tech ready," managing your time, communicating with instructors and more.

Student services and support
https://www.deanza.edu/online-spring/#Services

- Tutoring and Library Help
- Computers and Tech Products
- Internet Access
- Food and Financial Assistance
- Health and Psychological Services

Attendance, Drops or Withdrawals

- Regular online attendance is essential for success in the course.
- You must not miss a class in the first week of the quarter or you will be dropped.
- It is the student's responsibility to drop or withdraw from this course by the college deadlines.

Academic Honesty and Discipline Policy:
Students are expected to abide by the DeAnza College Code of Conduct and not participate in academic dishonesty.
https://www.deanza.edu/policies/academic_integrity.html

Student Success Center
http://deanza.edu/studentsuccess/mstrc/
Hours of online Zoom Tutoring Center are Monday to Thursday 9:00-6:00 PM and Friday 9:00 AM-12:30 PM.
The SSC provides free tutoring services such as individual, drop-in, groups, in-class and workshops.
For individual tutoring, fill out a weekly individual application:
http://deanza.fhda.edu/studentsuccess/mstrc/weekly_ind.html
For group tutoring, contact to Helen at nguyenhelen@deanza.edu.

Disability Support Services
https://www.deanza.edu/dsps/dss/
Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss their specific needs with the instructor at the beginning of the quarter.
For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) please contact Disability Support Services (DSS).
Phone number: (408) 460-7681
Email: dss@deanza.edu

Tentative Schedule

	Monday	Wednesday
Week 1	January 3 **Syllabus/Section 2.1**	January 5 **Sections 2.2 & 2.3**
Week 2	January 10 **Sections 2.4 & 2.5**	January 12 **Section 2.6** **Quiz 1**
Week 3	January 17 **Martin Luther King Jr. Holiday. No class**	January 19 **Sections 2.7 & 2.8**
Week 4	January 24 **Section 3.1 & Review**	January 26 **Section 3.2** **Exam 1 (one hour): Chapter 2**
Week 5	January 31 **Sections 3.3 & 3.4**	February 2 **Section 3.5** **Quiz 2**
Week 6	February 7 **Section 3.6**	February 9 **Sections 3.9 & 3.10** **Quiz 3**
Week 7	February 14 **Section 4.1 & Review**	February 16 **Section 4.2** **Exam 2 (one hour): Chapter 3**
Week 8	February 21 **Presidents' Holiday. No class**	February 23 **Sections 4.3 & 4.4**
Week 9	February 28 **Sections 4.5 & 4.7**	March 2 **Section 4.8** **Quiz 4**
Week 10	March 7 **Section 4.9 & Review**	March 9 **Section 10.1** **Exam 3 (one hour): Chapter 4**
Week 11	March 14 **Section 10.2**	March 16 **Review**
Week 12	March 21 No Class	March 23 **Final Exam (two hours): Chapters 2, 3, 4, and 10** **6:15-8:15 PM**

- HW is assigned on WebAssign each week due Sunday.
- Group Work is assigned randomly during class time and the due dates will be announced.
- Any change in schedule is announced during class and on Canvas. Students are responsible for keeping track of schedule changes.

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.