



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

**Winter 2023**

<b>Instructor:</b> Lilit Mazmanyman	
<b>Contact:</b> <a href="mailto:mazmanymanlilit@fhda.edu">mazmanymanlilit@fhda.edu</a>	<b>Office hours:</b> 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/remoteteaching](https://deanza.edu/online-ed/students/remoteteaching).

**Course Description**

This course covers the fundamentals of differential calculus.

**Requisites** (Not open to students with credit in MATH 1AH.)

**Prerequisite:** MATH 32, 32H, 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 for 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>).

<b>Homework (HW)</b>	<ul style="list-style-type: none"> <li>• Homework must be completed online through WebAssign.</li> <li>• Each homework is due Sunday.</li> <li>• After the due date/time, HW cannot be submitted for credit.</li> <li>• Answer key is available online after the deadline.</li> <li>• The lowest homework score will be dropped.</li> <li>• You can ask your HW questions during our Zoom office hours or anytime through “ask my teacher” on WebAssign or through Canvas Inbox.</li> </ul>
<b>Group Work (GW)</b>	<ul style="list-style-type: none"> <li>• GW will be assigned randomly during the class times.</li> <li>• There are about three to four group works.</li> <li>• GW must be completed in groups of at least two and no more than four.</li> <li>• Topics and details will be discussed in class.</li> <li>• Work with details must be uploaded on Canvas as one document.</li> <li>• Due date will be announced in class.</li> </ul>
<b>Quizzes (Q)</b>	<ul style="list-style-type: none"> <li>• Quiz must be completed online through WebAssign.</li> <li>• There are four quizzes based on classwork and homework problems.</li> <li>• Quizzes are timed, and they are assigned on scheduled Wednesday due Thursday.</li> <li>• NO MAKE-UP QUIZZES are given.</li> <li>• Missed quiz is graded as a zero (0).</li> <li>• The lowest quiz score will be dropped.</li> </ul>
<b>Exams &amp; Final Exam (EX,FE)</b>	<p>There will be four (4) examinations through WebAssign.</p> <ul style="list-style-type: none"> <li>• EX 1, 2 &amp; 3 are one hour each and Final exam is two (2) hours.</li> <li>• EX 1, 2 &amp; 3 and the FE dates are on the course schedule. They are assigned on scheduled Wednesday due Thursday.</li> <li>• 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.</li> <li>• Possible partial credits are available based on your work details submitted on time.</li> <li>• It is recommended to have ready one or two sheets of notes.</li> <li>• There are NO MAKE-UP examinations.</li> <li>• An absence from any examination earns a grade of zero (0).</li> <li>• You MUST take the final exam to pass the course.</li> </ul> <p>Check the announcements and follow the course schedule on Canvas and WebAssign.</p>

<b>Grading</b>	Students will be graded on homework (HW), group works (GW), quizzes (Q), and exams (EX1, 2 & 3, FE).					
	<b>Distribution of weights for each category</b>					
	Category		% Weight on Final Grade			
	Homework		5 %			
Group Work		5 %				
Quiz		10 %				
Exam 1		20 %				
Exam 2		20 %				
Exam 3		20 %				
Final Exam		20 %				
<b>Grading Scale</b>						
		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	
<b>Extra Credit</b>						
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/>

<b>Monday</b>	<b>January 9</b>	First day of Winter Quarter 2023
<b>Monday</b>	<b>January 16</b>	Martin Luther King Jr. Holiday. No class
<b>Saturday</b>	<b>January 21</b>	Last day to add classes
<b>Sunday</b>	<b>January 22</b>	Last day to drop classes without a W
<b>Friday-Monday</b>	<b>February 17-20</b>	Presidents' Holiday. No classes
<b>Friday</b>	<b>March 3</b>	Last day to drop classes with a W
<b>Wednesday</b>	<b>March 29</b>	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](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](http://deanza.fhda.edu/studentsuccess/mstrc/weekly_ind.html)

For group tutoring, contact to Helen at [nguyenhelen@deanza.edu](mailto: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](mailto:dss@deanza.edu)

**Tentative Schedule**

	Monday	Wednesday
<b>Week 1</b>	January 9 <b>Syllabus/Section 2.1</b>	January 11 <b>Sections 2.2 &amp; 2.3</b>
<b>Week 2</b>	January 16 <b>Martin Luther King Jr. Holiday. No class</b>	January 18 <b>Sections 2.3 &amp; 2.5</b>
<b>Week 3</b>	January 23 <b>Section 2.6</b>	January 25 <b>Sections 2.7 &amp; 2.8</b> <b>Quiz 1</b>
<b>Week 4</b>	January 30 <b>Section 3.1 &amp; Review</b>	February 1 <b>Section 3.2</b> <b>Exam 1 (one hour): Chapter 2</b>
<b>Week 5</b>	February 6 <b>Sections 3.3 &amp; 3.4</b>	February 8 <b>Section 3.5</b> <b>Quiz 2</b>
<b>Week 6</b>	February 13 <b>Section 3.6</b>	February 15 <b>Sections 3.9 &amp; 3.10</b> <b>Quiz 3</b>
<b>Week 7</b>	February 20 <b>Presidents' Holiday. No class</b>	February 22 <b>Review</b> <b>Exam 2 (one hour): Chapter 3</b>
<b>Week 8</b>	February 27 <b>Sections 4.1 &amp; 4.2</b>	March 1 <b>Section 4.3</b>
<b>Week 9</b>	March 6 <b>Sections 4.4 &amp; 4.5</b>	March 8 <b>Section 4.7</b> <b>Quiz 4</b>
<b>Week 10</b>	March 13 <b>Section 4.8 &amp; Review</b>	March 15 <b>Section 4.9</b> <b>Exam 3 (one hour): Chapter 4</b>
<b>Week 11</b>	March 20 <b>Sections 10.1 &amp; 10.2</b>	March 22 <b>Section 10.2, Review</b>
<b>Week 12</b>	March 27 No Class	March 29 <b>Final Exam (two hours):</b> <b>Chapters 2, 3, 4, and 10</b> <b>6:15-8:15 PM</b>

- 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.

**Office Hours:**

Zoom	F	4:00 PM	5:00 PM
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