Math 1C.32Z – Calculus   **Spring 2021**
Meets: TTh, 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 homework and Zoom for office hours can be found on our Canvas course.

Information about Canvas 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

Infinite series, lines and surfaces in three dimensions, vectors in two and three dimensions, parametric equations of curves. Derivatives and integrals of vector functions.

Prerequisites

• MATH 1B or MATH 1BH (with a grade of C or better) or equivalent.
• Not open to students with credit in MATH 1CH.
• Advisory: EWRT 211 and READ 211, or ESL 272 and 273.

Textbook

J. Stewart, Calculus: Early Transcendentals; with WebAssign, 8th edition, Cengage Learning, 2016.
The eBook with **WebAssign Access Code** can be purchased through
http://services.cengagebrain.com/course/site.html?id=4922575
Students need to self-register at http://www.webassign.net to use WebAssign and the **WebAssign Class Key** will be sent to students by email.

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

Homework (HW)	• Homework must be completed online using WebAssign. • After the due date/time, HW cannot be submitted for credit. • After the due date/time, the answer key is available online. • The lowest homework score will be dropped.
Group Work (GW)	• GW will be assigned randomly during the class times. • GW must be completed in groups of at least two and no more than four. • Topics and details will be discussed in class.

Quizzes (Q)	• Quiz is online based on classwork and homework. • 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 • 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. • 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/winterdates.html)

Monday	April 5	First day of Spring Quarter 2021.
Saturday	April 17	Last day to add quarter-length classes. **Add date is enforced.**
Sunday	April 18	Last day to drop for a full refund or credit. Last day to drop for a class with no record of grade. **Drop date is enforced.**
Friday	May 28	Last day to drop with a "W." **Withdraw date is enforced.**
Monday	May 31	Holiday: Memorial day (no classes).
Monday-Friday	June 21-26	Final examination https://www.deanza.edu/calendar/finalexams.html

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) 864-8753

Email: dss@deanza.edu

Tentative Schedule

	Tuesday	Thursday
Week 1	April 6 **Syllabus/Section 11.1**	April 8 **Sections 11.2, 11.3**
Week 2	April 13 **Section 11.4**	April 15 **Section 11.5** **Quiz 1**
Week 3	April 20 **Sections 11.6, 11.7**	April 22 **Section 11.8** **Quiz 2**
Week 4	April 27 **Section 11.9**	April 29 **Section 11.10** **Exam 1 (one hour)**
Week 5	May 4 **Section 11.11**	May 6 **Sections 10.1, 10.2** **Quiz 3**
Week 6	May 11 **Section 10.3**	May 13 **Section 10.4** **Quiz 4**
Week 7	May 18 **Section 12.1**	May 20 **Section 12.2** **Exam 2 (one hour)**
Week 8	May 25 **Section 12.3**	May 27 **Section 12.4** **Quiz 5**
Week 9	June 1 **Section 12.5**	June 3 **Section 13.1** **Quiz 6**
Week 10	June 8 **Sections 13.2, 13.3**	June 10 **Section 13.3** **Exam 3 (one hour)**
Week 11	June 15 **Section 13.4**	June 17 **Review Problems**
Week 12	June 22 No class	June 24 **Final Exam (two hours)** **6:15-8:15 PM**

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

Student Learning Outcome(s):

*Graphically, analytically, numerically and verbally analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
*Apply infinite sequences and series in approximating functions.
*Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.