DeAnza College

Math 1D.53Z – Calculus IV
Asynchronous Online Classes

Winter 2025

Instructor: Lilit Mazmanyan, Ph.D.	
Contact: mazmanyanlilit@fhda.edu	**Office hours:** Thursday, 10:00–11:00 AM, online via Zoom (check Canvas course for instructions)

This is an **asynchronous** online class that does not have scheduled meetings. You can study the assigned course materials and complete the assignments via Canvas course management system and WebAssign at your own pace by meeting weekly deadlines. You can access Canvas via MyPortal as you are enrolled in the course or using direct link Dashboard (instructure.com) with your MyPortal login credentials. We will communicate via Canvas Inbox, discussion board, and emails. Check periodically Canvas announcements. Information about Canvas and Online Education Orientation can be found on Canvas on the Student Resources page: Student Resources (instructure.com). The Student Online Resources hub with extensive information and tips can be found at Online Learning Resource Hub for Students (deanza.edu).

Course Description
Topics in this course include partial derivatives, multiple integrals, vector calculus, and their applications.

Requisites
Prerequisite: MATH 1C or 1CH (with a grade of C or better) or equivalent.
Advisory: ESL 272 and ESL 273, or ESL 472 and ESL 473, or
eligibility for EWRT 1A or EWRT 1AH or ESL 5

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 or the equivalent one.
- You can use online calculator via website as DESMOS (https://www.desmos.com) or GeoGebra (https://www.geogebra.org) for the homework and group activities.

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. • Most homework assignments are due on Sunday. There will be some homework due on scheduled weekday. Follow the Canvas and WebAssign for deadlines. • After the due date/time, HW cannot be submitted for credit. • Answer key is available online after the deadline. • You are allowed to request three homework extensions for the quarter. The answer key must not be followed if you choose to request an extension. • The lowest homework score will be dropped. • You can ask your HW questions during our office hours or anytime through "ask my teacher" on WebAssign or through Canvas Inbox.
Group Work (GW)	• GW will be assigned randomly during our course time. • GW must be completed in groups of at least two and no more than four. • Topics and details will be discussed on Canvas. • Due date will be announced. • Group Work is graded based on group discussions, simulation analysis and problem solving. • It is your responsibility to join group discussions not to miss any point.
Quizzes (Q)	• Quiz is online through WebAssign and work details must be submitted on Canvas. • Quiz is based on classwork and homework. • NO MAKE-UP QUIZZES are given. • It is recommended to have one or two sheets of notes ready. • 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 and work details must be submitted on Canvas. • 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 one or two sheets of notes ready. • 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	10 %
Group Work	10 %
Quiz	15 %
Exam 1	15 %
Exam 2	15 %
Exam 3	15 %
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

Academic Calendar (deanza.edu)

Monday	**January 6**	First day of Winter Quarter 2025
Friday	**January 19**	Last day to drop classes without a "W"
Saturday	**January 19**	Last day to add classes
Monday	**January 20**	Martin Luther King Jr. Holiday - no classes
Friday-Monday	**February 14-17**	Presidents' Holiday - no classes
Friday	**February 28**	Last day to drop classes with a "W"
Wednesday	**March 26**	Final examination

Online Education Center

- Student Resources (deanza.edu): The Online Education Center is committed to providing students with the support they need to successfully access and use Canvas, our course management system.
- Online Learning Student Resource Hub (deanza.edu): The Hub will provide resources for students who are learning online at De Anza.
- 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.

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.

Disability Support Services
https://www.deanza.edu/dsps/dss/
Students with disabilities who qualify for academic accommodation 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

		Assignments
Week 1	January 6-12 **Syllabus/ Sections 12.6, 14.1-14.2**	
Week 2	January 13-19 **Sections 14.3-14.5**	January 16 **Quiz 1**
Week 3	January 20-26 **Sections 14.6-14.8**	January 23 **Quiz 2** January 20, Martin Luther King Jr. Holiday – no class
Week 4	January 27 - February 2 **Sections 15.1-15.2**	January 30 **Exam 1 (one hour, Thursday)**
Week 5	February 3-9 **Sections 15.3-15.5**	
Week 6	February 10-16 **Sections 15.6-15.8**	February 13 **Quiz 3** February 14-17, Presidents' Holiday - no classes
Week 7	February 17-23 **Sections 15.9-16.1**	February 20 **Exam 2 (one hour, Thursday)**
Week 8	February 24 - March 2 **Sections 16.2-16.4**	February 27 **Quiz 4**
Week 9	March 3-9 **Sections 16.5-16.7**	March 6 **Quiz 5**
Week 10	March 10-16 **Sections 16.8-16.9**	March 13 **Exam 3 (one hour, Thursday)**
Week 11	March 17-23 **Section 16.10, Review Problems**	
Week 12	March 24-30	March 26 **Final Exam (two hours)** **Chapters 14, 15, 16, and Section 12.6**

- Any change in schedule is announced on Canvas. Students are responsible for keeping track of schedule changes.
- The **due dates for HW** assignments can be found on WebAssign. They are announced on Canvas in Weekly module sections as well. Most homework assignments are due on Sunday. There will be some homework due on scheduled weekday. Follow the Canvas and WebAssign for deadlines.
- **Group Works** will be assigned in random weekdays, and they are due given Sunday.
- **Quizzes** will be opened on scheduled week Thursday at 4:00 PM, and you will have one day to complete them with time limit.
- **Examinations 1,2&3 and Final Examination** with time limits will be opened on scheduled week Thursday at 4:00 PM due midnight.

Course materials (syllabus, lecture presentations, quiz/exam answer keys through WebAssign and additional resources) are uploaded onto *Canvas*. It is 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.

Student Learning Outcome(s):

• Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
• Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
• Synthesize the key concepts of differential, integral and multivariate calculus.

Office Hours:

TH	10:00 AM	12:00 PM	Zoom