Math-1D-57Z Calculus De Anza College Spring 2026

CLASS MODE: 100% asynchronous
Canvas Course: Will be open to view on first day of class, April 6th. All materials and assignments for this course are available on Canvas week by week. Materials and assignments of each week will be open on the beginning of each week, which is Monday.

Instructor: Vinh Kha Nguyen
How to contact instructor: nguyenvinh@fhda.edu or Canvas Inbox the instructor (preferably)
Allow the instructor 24 hours to reply to a canvas inbox message or an email or a comment made on canvas.
Allow the instructor 72 hours to grade and comment on the exams and other assignments after its due date.

Office hours: M,T,W,Th 9:50-10:20am in S-76d
W, Th 2:30-3:20pm on Zoom (see Canvas course for zoom link)

Textbook: Calculus IV: Multivariable Calculus, 1st edition by Nguyen & Yarahmadi published by Libretext.

Required Materials: Textbook and a calculator

Grade is composed of homework, quizzes, discussions, exams, and final.

0-59.99% F	70-76.99% C	80-82.99% B-	90-92.99% A-
60-69.99% D	77-79.99% C+	83-86.99% B	93-100% A
		87-89.99% B+	

homework	quizzes	discussions	exams	final	total
50pts	70pts	30pts	210pts	140pts	500pts

Homework: each hw due date is posted on Canvas Modules and is due on Sunday. Late homework receives 0 points.
Student must submit hw on Canvas using the Grades tab by its due date to get credit.
Discussions: discussion and its due date are posted on the course Canvas Modules. Missed discussion receives 0 points.
Quiz: each section quiz is open on Monday and must be completed by Sunday on Canvas. Missed quiz receives 0 points.
Exam: each exam date is posted on Canvas Modules and must be taken on Canvas. Missed exam receives 0 points.
Final: comprehensive and given on Monday June 22nd on Canvas. There is no make-up for the final exam.

If student notices that the instructor made an error on the grading, the student is responsible to inform the instructor within a week of the date of the exam/quiz. Otherwise, the student's score on the exam/quiz will be unchangeable.

Makeup Policy: No makeup quizzes or exams are available. Students must notify the instructor in advance of a missed exam to use the following makeup policy.

Only 1 missed exam due to an excused absence or emergency will be covered by the final exam (50% credit).

Exam procedure/policy:
- Each exam is 60 minutes for part1 and 30 minutes for part2, and there is no dropping lowest exam score.
- The Final Exam is 2 hours for part1 and 30 minutes for part2.
- Make sure you have fully studied and prepared before taking an exam. (see Canvas Modules for outlines)
- **All exams and final exam must be taken on Canvas.**
- **No partial credit will be given on questions that do not require proof of show-work.**

Academic Dishonesty: Students will get 0pt on the related assignments if:
- Cheating on exams and assignments.
- Copying another's work as their own.
- Including only final answer, but do not show any work or offer any explanation for questions required proof of show-work.
- Altering work on exam/quiz after it has been graded to deceive the instructor.
- **Sharing/Uploading instructor's exams or a part of the exam online for others to view will result in a failing grade.**

Repeated academic dishonesty will result in a failing grade in the course. Moreover, all academic dishonesty instances will be reported to the college!

Time Commitment: As stated in the De Anza College course catalog, students are expected to spend at least 5 hours each week to watch the lecture videos, read the lecture notes, and redo all examples in the lecture note. Students are also expected to spend at least 10 hours each week to study for quizzes and exams and do homework. Students may want to spend extra hours watch other Youtube

videos and read the textbook for more example before doing the homework. This asynchronous course requires serious self-discipline and time-management to succeed.

Grade improvement: This class is rigorous, so it can be fast-paced and challenging quite often during the quarter. The only way to build confidence is through practice and more practice. Other strategies to improve grade: take detailed notes during lecture, ask questions when in doubt, work with classmates during group work, form study group, do hw sooner than later, seek help when need help, understanding rather than memorizing, prioritize tasks, do not multi-task while study, etc.
If you are interested in improving your grade, please spend time to study and do the homework.

Campus tutoring, additional assistance, and Internet resources:

- On campus tutoring in S43: https://www.deanza.edu/studentsuccess/mstrc/
- Online tutoring: https://www.deanza.edu/studentsuccess/onlinetutoring/
- Student's services: https://www.deanza.edu/services/
  Disability Support Service, EOPS, Veterans, CalWORK, Foster Youth, Food Pantry, Health Service, etc.
- The Internet: Youtube lecture video, Khan Academy, Paul's note, Wolfram Alpha, Microsoft Math Solver, Desmos, GeoGebra, etc.

Students Responsibilities:

- Read the syllabus word by word and honor the syllabus.
- Watch lecture videos, take notes, and study problems on the note before working on homework.
- Do and submit all assignments on time.
- Do homework outside of class before the next lecture to stay current with the materials.
- Study and prepare for quizzes and exams.
- Read the textbook for more examples.
- Behave as educated and civilized individual and be held accountable for your actions.

Attendance (Weekly Assignments): Students are expected to complete all weekly assignments on Canvas. Missing a week of assignments is the same as missing a week of class. If so, the student may get dropped from the course.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to drop the class. Do not rely on the instructor to drop. A student who stops working on assignments on Canvas and fails to withdraw by the deadline receives a grade FW.

Expected Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to this syllabus. Please make sure you keep a copy. You can find Foothill-De Anza College Code of Conduct at https://www.deanza.edu/student-development/conduct.html

Accommodation: Students who need additional accommodations, due to a learning disability or some other reason, please contact the instructor during the first two weeks of class to discuss your options. Disability Support Services determines accommodations based on appropriate documentation of disabilities. DSS is located in Student Community Services building room 141, and their phone number is (408) 864-8753.

All students registered for this course will be expected to uphold the following values:
We strive to establish a class atmosphere that is welcoming and inclusive so that students may bring their authentic selves and work to reach their potential. We recognize the value and individuality that each student brings – our learning experience becomes all the richer when we hear from different perspectives. As such, we support all students equally, without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Course description: This course explores partial derivatives, multiple integrals, vector calculus, and their applications.

Course SLOs:
Upon successful completion of the course, students will be able to:

- 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.

Tentative Course Calendar (students are responsible to check Canvas daily for assignments and due dates)

Week1 4/06-4/12
- 1.1, 1.2, 1.3, 1.4
- Section quizzes, discussion#1, Syllabus and Canvas quiz, hw#1 due by Sunday

Week2 4/13-4/19
- 1.5, 1.6
- Section quizzes, hw#2 due by Sunday

Week3 4/20-1/26
- 1.7,1.8
- Section quizzes, discussion#2, hw#3 due by Sunday

Week4 4/27-5/03
- **Exam#1 on Monday 1/26**
- 2.1, 2.2, 2.3
- Section quizzes, hw#4 due by Sunday

Week5 5/04-5/10
- 2.4, 2.5, 2.6
- Section quizzes, discussion#3, hw#5 due by Sunday

Week6 5/11-5/17
- 2.7, 2.8
- Section quizzes, hw#6 due by Sunday

Week7 5/18-5/24
- **Exam#2 on Monday 2/16**
- 3.1, 3.2
- Section quizzes, discussion#4, hw#7 due by Sunday

Week8 5/25-5/31
- 3.3, 3.4
- Section quizzes, hw#8 due by Sunday

Week9 6/01-6/07
- 3.5, 3.6
- Section quizzes, discussion#5, hw#9 due by Sunday

Week10 6/08-6/14
- **Exam#3 on Monday 3/09**
- 3.7, 3.8
- Section quizzes due by Sunday

Week11 6/15-6/21
- 3.9
- Section quizzes, discussion#6, hw#10 due by Sunday

Week12 6/22-6/26
- **Final exam on Monday.**

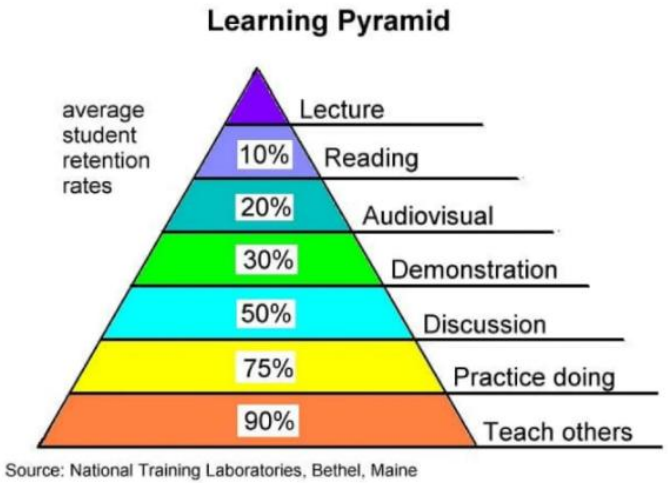
Important dates in the quarter!

4/19 Last day to add/drop
4/20 Census
5/29 Last day to drop with a W
6/22-6/26 Final Exam week, no lecture

Math 1D Homework
(see Canvas for due date, upload files in .pdf format)

- Homework is graded on completeness and neatness, see tentative course calendar for due date.
  - Must show work for each problem. Hw without show work will be -1pt.
  - Submit one file per section. If not, hw will be -1pt.
  - Name each file to match with the hw description. If not, -1pt.
  - Deduct points from each missing problem depending on the amount of problems in each hw.
- Why should students care about showing work?
  - **Practice makes confidence**
  - **Help to prepare for quizzes and exams**
- Students are responsible to do all homework and submit the work on time
  - Late hw gets a solid 0pt, so do not submit late hw.

Hw#1 (5pts)
1.1E #6,7,8,39,40,42,43,57
1.2E #5,7,9,22,23,24,25,28,30,37
1.3E #7,9,11,13,15,23,25,29,31
1.4E #3,9,19,21,34,41,45,47,49
Hw#2 (5pts)
1.5E #1,3,5,7,9,11,13,17,21,23,37,39,43
1.6E #1,3,9,13,21,23,37,39,41,43,47
Hw#3 (5pts)
1.7E #5,9,13,15,17,27,39,41,45
1.8E #1,5,9,11,17,19,23,25,30
Hw#4 (5pts)
2.1E #13,15,17,19,21,23,25,31,33
2.2E #13,15,17,19,30,31,32,33,37,39,43
2.3E#11,15,17,19,21,31,33,47,49
Hw#5 (5pts)
2.4E#7,13,15,17,27,29,31,33,52
2.5E#5,7,9,13,27,29,31,33,35
2.6E#1,5,9,11,13,15,27,29,31,43,45
Hw#6 (5pts)
2.7E#1,6,10,13a, 13b, 19a, 19b
2.8E#23,25,27,31,35,37,39,41
Hw#7 (5pts)
3.1E #5,7,15,17,19,26
3.2E #11,13,15,17,19,29,31,33
Hw#8 (5pts)
3.3E #9,11,13,15,39
3.4E #2,4,6,8,10,15,18,24,31
Hw#9 (5pts)
3.5E #8,10,12,18,20,22
3.6E #5,6,7,8
Hw#10 (5pts)
3.7E #1,3,5,16,18,21,22,23,24
3.8E #7,9,19,21,30,32
3.9E #10,11,13,15,17



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:

M,T,W,TH	9:50 AM - 10:20 AM	S76-d
W,TH	2:30 PM - 3:20 PM	Zoom