Math-1D-61Z Calculus De Anza College Summer 2025

CLASS MODE: 100% asynchronous
Canvas Course: Will be open to view on first day of class, Monday 6/30. All materials and assignments for this course are available on Canvas week by week. Materials and non-exam assignments of each week will be open on the beginning of each week, Monday.

Instructor: Vinh Kha Nguyen
How to contact instructor: nguyenvinh@fhda.edu or Canvas Inbox the instructor (preferably)
Office hours: W 1:30-2:20pm on Zoom (see Canvas course for zoom link)

Textbook: Calculus Early Transcendentals, 9th edition by James Stewart. (eText or .pdf copy is ok)

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
60pts	80pts	60pts	200pts	100pts	500pts

Homework: each hw due date is posted on Canvas Modules and is due on Sunday. *Late homework gets 0pts.* Students have a week to do and submit hw assignment, so best to start doing the hw early.
Discussions: each quiz is on open Monday and must be completed by Sunday on Canvas. *Missed discussion gets 0pts.*
Quiz: each quiz is on open Friday and must be completed by Sunday on Canvas. *Missed quiz gets 0pts regardless of excuses.*
Exam: each exam is open on Friday and must be completed by Sunday on Canvas. *Missed exam gets 0pts regardless of excuses.*
Final: comprehensive and given on the last day of class on Canvas. There is no make-up for 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 assignments are available. Student must notify the instructor in advance of a missed exam/quiz to use the following makeup policy.

Only 1 missed exam due to an excused absence or emergency will be covered by the final exam. (equivalent percent)
Only 1 missed quiz due to an excused absence or emergency will be covered by the final exam. (equivalent percent)

Exam/quiz procedure and policy:

- Each quiz is one hour long. Each quiz is open on Friday and must be completed by Sunday. One attempt only.
- Each exam is 120 minutes for part1 and 30 minutes for part2. One attempt only for each part of the exam.
- There is no dropping lowest exam score.
- The Final Exam is 120 minutes 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 shall be given on questions what do not require proof of show-work.**

Academic Dishonesty: Students will get 0pt on the related assignments if:

- Cheat on exams and assignments.
- Copy other's work as their own.
- Only include the final answer, but do not show any work or offer any explanation for questions required proof of show-work.
- Alter 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 note 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-tasking while studying, etc.
If you are interested in improving your grade, please spend time to study and do the homework. Doing hw is the best way to prepare for exams and quizzes.

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 Responsibility:

- Read the syllabus word by word and honor the syllabus.
- Attend lecture, take note, and study problems on the note before working on homework.
- Collaborate with classmates and the instructor during group work and in-class activities.
- 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 textbook for more examples.
- Behave as educated and civilized individual, to be hold accountable for your actions.

Attendance: Students are expected to participate in all weekly assignments on Canvas. Missing a week of assignment 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 will get 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 accommodation, 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 6/30-7/06

- 14.1, 14.2, 14.3, 14.4, 14.5
- Quiz#1, Discussion#1, Syllabus and Canvas quiz, Hw#1 due by Sunday

Week2 7/07-7/13

- 14.6, 14.7,14.8
- Discussion#2 , Hw#2 due by Sunday
- **Exam#1** opens on Friday and must be completed by Sunday.

Week3 7/14-7/20

- 15.1, 15.2, 15.3, 15.4
- Quiz#2, Discussion#3, Hw#3 due by Sunday

Week4 7/21-7/27

- 15.6, 15.7, 15.8, 15.9
- Discussion#4, Hw#4 due by Sunday
- **Exam#2** opens on Friday and must be completed by Sunday.

Week5 7/28-8/03

- 16.1, 16.2, 16.3, 16.4, 16.5, 16.6
- Quiz#2, Discussion#5, Hw#5 due by Sunday

Week6 8/04-8/08

- 16.7, 16.8, 16.9
- Discussion#6, Hw#6 due by Sunday
- **Final Exam** opens on Friday and must be completed on Friday.
- Friday 8/08 is the last day of summer course.

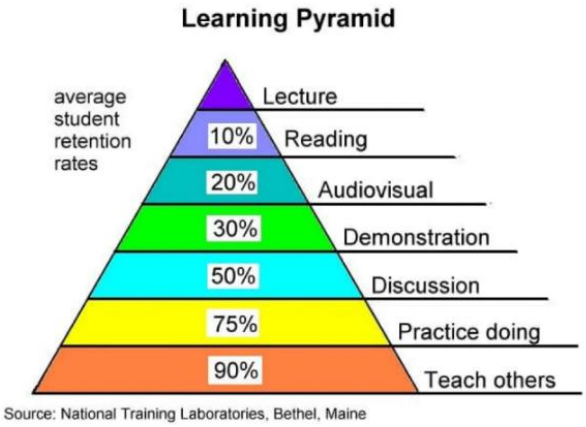
Important dates in the summer!

7.07 Last day to add/drop
7/08 Census
7/30 Last day to drop with a W
8/08 Final Exam

Math 1D Homework
(see Canvas for due date, scan and 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 (10pts)
14.1 #3,17,23,25,27,29,31,45 pg.946-949
14.2 #5,7,9,11,13,15,17,19,21,23,25,31 pg.960-961
14.3 #9,13,21,37,47,59,63,81 pg.969-972
14.4 #1,2,5,7,9,19,23,24,41,43 pg.981-983
14.5 #1,2,5,7,9,10,13,15,27,39 pg.991-992
Hw#2 (10pts)
14.6 #5,7,9,11,13,15,17,23,27,29,37 pg.1005-1006
14.7 #3,7,19,33,37,39,43,55 pg.1016-1018
14.8 #1,3,7,9,17,19,27,41,55,57 pg.1026-1028
Hw#3 (10pts)
15.1 #9,15,17,19,29,38,41,49 pg.1049-1051
15.2 #3,7,9,13,21,25,27,31,39,53 pg.1059-1061
15.3 #11,13,23,24,29,31,35,39,41 pg.1067-1069
15.4 #5,7,9,29,31 pg. 1078-1079
Hw#4 (10pts)
15.6 #3,5,9,10,11,12,17,21,25,43 pg.1092-1094
15.7 #1,3,15,16,21,23,25,31 pg.1100-1101
15.8 #1,3,15,19,20,21,22,25,27,37,43,45 pg.1106-1107
15.9 #1,11,13,17,19,21,25,30 pg.1116-1117
Hw#5 (10pts)
16.1 #13,15,19,21,25,27 pg.1130
16.2 #1,3,5,7,9,11,13,21,23,41,43,45 pg.1141-1143
16.3 #3,5,7,13,17,19,23,25,29 pg.1152-1153
16.4 #5,7,9,11,13,15,17,25 pg.1160
16.5 #1,3,5,7 pg. 1168
Hw#6 (10pts)
16.6 #3,5,21,23,25,39,41,43,45 pg.1180-1182
16.7 #5,7,9,15,17,19,21,23,25,27,43 pg.1193-1194
16.8 #3,5,6,9,11,13 pg.1199-1200
16.9 #5,7,9,13,15 pg.1206



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:

W	1:30 PM - 2:20 PM	Zoom