

CLASS MODE: 80% synchronous and 20% asynchronous.

Course structure: weekly materials are divided into modules. Each module follows the tentative course calendar on page#3. Canvas Module tab is where you will find everything for the course during each week.

All the materials will be posted on Canvas Modules tab including lecture notes, solutions to tough problems, websites for additional study, discussion topics, quizzes, exams, final, and much more. It is the student's responsibility to check Canvas daily once the quarter starts for latest updates from the instructor.

Instructor: Vinh Kha Nguyen

How to contact instructor: nguyenvinh@fhda.edu or Canvas Inbox the instructor (preferably)

Textbook: CALCULUS: EARLY TRANSCENDENTALS, 9th edition by James Stewart. An eText or .pdf textbook is ok to use, get access to eTextbook instantly for less than \$50.
<https://www.cengage.com/c/calculus-9e-stewart/9781337624183PF/>

Required Materials: Textbook (homework) and a calculator (preferably Ti-83/84 or better).

Synchronous Meeting Time: M,T,W,TH 9:30am-11:20am, live lecture on Canvas Zoom
 Live lecture will be recorded and available for view on Canvas Zoom tab.

Asynchronous Time: 2 hours each week to work on worksheet problems, quizzes, discussions, etc.

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+	

Only the top 2 scores in this class that are above 460pts get A+.

homework	quizzes	discussions	exams	final	total
70pts	110pts	30	180pts	80pts	470pts

Homework: each hw due date is posted on the course calendar. *Late homework gets 0pts regardless of excuses. Student must submit hw on the Canvas Assignment tab or Canvas Module tab on the due date to get credit.*

Quiz: each quiz date is posted on the course Canvas. *Missed quiz gets 0pts regardless of excuses.*

Exam: each exam date is posted on the course calendar. *Missed exam gets 0pts regardless of excuses.*

Final: comprehensive! Will be given during final week. There is no make-up for final exam.

If you notice that I made an error on the grading, you are responsible to inform me within a week of the date of the exam/quiz. Otherwise, your score on the exam/quiz will be unchangeable.

Makeup: No makeup quizzes or exams are available. However,

Only one missed quiz due to an excused absence or emergency will be covered by the next quiz (exact point).

Only one missed exam due to an excused absence or emergency will be covered by the final exam (converted to a percentage).

Student must notify the instructor in advance of a missed quiz or a missed exam to use the makeup policy.

Exam procedure/policy:

- Each exam is 2 hours, and there is no dropping lowest exam score.
- Final Exam is 2 hours.
- Make sure you have fully studied and prepared before you take each exam.

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

- Cheat on exams and assignments
- Copy other's work as their own
- Alter work on exam/quiz after it has been graded to deceive the instructor
- **Uploading instructor's exams or a part of the exam online for others to view.**

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 two hours outside of class for each hour in class lecture to do homework and study for quizzes and exams.

Grade improvement: Math is challenging, and the only way to build confidence is through practice and more practice. Other strategies: take good note during lecture, 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.

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.**
- Behave as educated and civilized individual, to be hold accountable for your actions.
- Collaborate with classmates and the instructor during group work and in-class activities.
- Do and submit all assignments on time.
- Attend lecture, take note, and keep up with the course materials.
- Do homework outside of class before the next lecture.
- Study and prepare for quizzes and exams.

Attendance: Students are expected to attend all class meetings, arrive on time, take note, and stay for the entire class. The instructor reserves the right to drop/withdraw students who are absent more than five lectures during the quarter. However, **a student who discontinues coming to class and does not drop the course will get an F.** It is the student's responsibility to drop the course.

Withdrawal/Drop Policy: It is the ultimate responsibility of the student to formally drop the class. Do not rely on the instructor to drop.

Smartphone Use: All smartphones must be on silent mode and put away during lecture. We do not learn how to text or searching the Web in this class, so there is no reason to have smartphones out during class unless the instructor allows so to access Wolfram Alpha or GeoGebra during group work.

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 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.

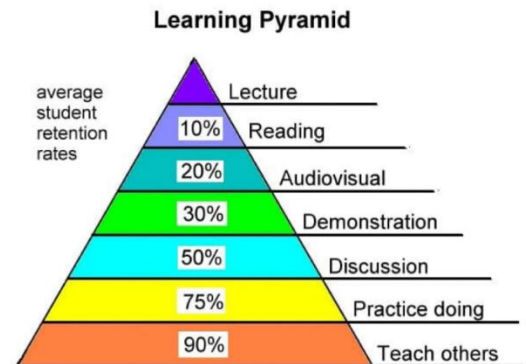
All students registered for this course will be expected to uphold the following values:

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.

Tentative Course Calendar

M	T	W	Th	
9/26 Syllabus&Canvas 2.1 Intro to limit	9/27 2.2 limit using def	9/28 2.3 limits using laws	9/29 2.3 cont	9/30
10/03 2.5 continuity, IVT	10/04 2.6 Limits at infinity	10/05 2.6 HA &VA	10/06 Hw#1 due 2.7 derivatives and rate of change	10/07
10/10 2.8 derivative as a function	10/11 2.8 differentiability	10/12 Hw#2 due EXAM#1	10/13 3.1 power rule Derivative of polynomials and exponentials	10/14
10/17 3.2 product rule and quotient rul	10/18 3.3 derivatives of trig	10/19 3.4 chain rule	10/20 3.4 cont.	10/21
10/24 Hw#3 due 3.5 implicit differentiation	10/25 3.5 deriv of inverse trig	10/26 3.6 deriv of logarithm	10/27 3.9 related rates	10/28
10/31 3.9 cont	11/01 3.10 Linear Approx and Differentials	11/02 Catching up on derivatives	11/03 Hw#4 due EXAM#2	11/04
11/07 4.1 absolute max/min values	11/08 4.2 MVT	11/09 4.3 Intro to inc/dec, local min/max, concavity	11/10 4.3 cont.	11/11 Holiday
11/14 Hw#5 due 4.4 indeterminate forms and L'H rule	11/15 4.4 cont	11/16 4.4 cont	11/17 4.5 curve sketching	11/18
11/21 4.5 cont	11/22 Hw#6 due EXAM#3	11/23 4.7 Optimization part1	11/24 Holiday	11/25 Holiday
11/28 4.7 cont.	11/29 4.7 Optimization part2	11/30 4.7 cont	12/01 4.8 Newton's approx	12/02
12/05 4.9 anti-derivatives	12/06 4.9	12/07 Parametric equations and derivatives	12/08 Hw#7 due Catching up	12/09
12/12	12/13 FINAL EXAM 9:15-11:15AM	12/14	12/15	12/16

10/08 Last day to add
 10/09 Last day to drop
 11/18 Last day to drop with a W
 12/12-12/16 Final Exam week



Source: National Training Laboratories, Bethel, Maine

Math 1A Homework

- 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 for each section
 - Submit one file per section. If not, hw will be -2 pts. (Do not combine all sections into a single file)
 - Name each file to match with the hw description. If not, -1pt per section not naming.
 - Organize your files to match the order on the hw description. If not, -1 pt.
 - Deduct points from each missing section depending on the amount of problems in it.
- Why should students care about showing work?
 - **Practice makes confidence**
 - **Help to do similar problems much faster on exam**
- 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.

NOTE: To scan and upload hw on Canvas with your phone, I recommend the free Adobe Scan app. It is ok to write your hw on an ipad or tablet and convert it to .pdf files to upload on Canvas.

Hw#1 (10pts)

2.2 #2, 5, 10, 11, 23, 27, 29, 31, 33 pg. 92-93

2.3 #11, 13, 15, 17, 19, 21, 23, 27, 29, 31, 41, 43, 51, 52, 53 pg. 102-104

2.5#5, 19, 21, 39, 41, 42, 47, 53, 57 pg. 124-126

2.6#3, 15, 17, 21, 32, 37, 47, 49, 51, 68 pg. 137-139

Hw#2 (10pts)

2.7#5, 11, 13, 17 pg. 149

2.8#3,12,13,21,27,31, 41, 43, 49 pg. 162-164

Hw#3 (10pts)

3.1#5,7,9,13,17,19,23,39,41,53,59,60,83 pg. 181-183

3.2 #5,9,10,11,16,31,35,43,56 pg. 189-190

3.3 #1, 3, 5, 7, 11, 13, 15, 21, 39, 41, 63 pg. 197-199

3.4 #7, 9, 11, 13,15,17,39,41,57,59,65,81 pg. 206-208

Hw#4 (10pts)

3.5 #5,9,13,15,17,27,31,63 pg. 214-216

3.6 #3,5,7,9,11,27,31,43,45,47,51,63,65,67 pg. 224-225

3.9 #3,5,7,17,25,27,39,47 pg. 251-254

3.10 #1,3,11,15,31,33,41,43 pg. 258-259

Hw#5 (10pts)

4.1 #51,53,57,59,61,63 pg. 287

4.3 #5,6, 45,53,57,61,63,75 pg. 305-307

Hw#6(10pts)

4.4 #9,13,17,19,21,31,35,43,45,47,51,57,59 pg. 316-317

4.5 # 5,9,37,47 pg. 327

Hw#7 (10pts)

4.7 # 7,8,13,14,18,19,23,25,40,46,57,69 pg. 342-346

4.8 #11,13,17,19 pg. 355

4.9 #5,9,13,15,17,19,21,27,29,33,39,41,71,75,81,83 pg. 361-363

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

M,T,W,TH

02:30 PM

03:30 PM