

CLASS MODE: 100% synchronous.

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. Each module will be available for accessing and viewing on Sunday at the beginning of each lecture week.

All the materials will be posted on Canvas Modules tab including recorded lecture videos, 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

Office hour: F 8-9am on Canvas Zoom

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).

Meeting Time: M-F 11:30AM-12:20PM, live lecture on Canvas Zoom (see course schedule on pg.3 for more detail)
Live lecture will be recorded and uploaded on Canvas Module.

To access live lecture, student needs to log onto Canvas and access the Canvas Zoom tab.

Grade is composed of 6 homework, quizzes and discussions, 5 exams and 1 final.

0-59.99% F	80-82.99% B-	90-92.99% A-
60-69.99% D	83-86.99% B	93-96.99% A
70-76.99% C	87-89.99% B+	97-100.99% A+
77-79.99% C+		

homework	quizzes & discussions	exams	final	total
60pts	60pts	200pts	80pts	400pts

Homework: practice problems to reinforce learning materials. *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.*

Discussions: each discussion topic is posted on Canvas Module. Student has one week to reply to each discussion. Each discussion topic help students to develop their critical thinking and writing skills. Students must reply to the discussion topic during the week it is available on Canvas Modules. *Late discussion reply gets 0pts.*

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

Syllabus & Canvas Quiz: *must be taken during first week of class on Canvas. If not, students are considered not interested in the course, and may be dropped from the course after one week.*

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 Policy: 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 (doubling points).

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 & Quizzes procedure:

- All exams and quizzes in this class are online on Canvas Modules tab with specific dates and time limit.
- Each exam is one hour long, and there is no dropping lowest exam score.
- Make sure you have fully studied and well prepared before you take each exam.

- The best way to prepare for the exam is to do the homework and redo problems from lectures.

Time Commitment: As stated in the course catalog, students are expected to spend at least two hours studying, reviewing in class problems, and doing homework outside of class for each hour in class.

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.

Campus tutoring, additional assistance, and Internet resources:

- On campus tutoring in S43: <https://www.deanza.edu/studentssuccess/mstrc/>
M-Th 8:30am-6pm, F 8:30am-12:30pm
- Online tutoring: <https://www.deanza.edu/studentssuccess/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:

- Students are responsible to read the syllabus word by word and honor the syllabus.
- Students are expected to behave as educated adults, and students must be hold accountable for any misconduct.
- Since the pace of the class may be quite fast at time, you are expected to seek help as soon as you realize that you are falling behind. Visit campus tutoring center, form study groups, and visit instructor office hours when possible. Instructor is always available for help or advice.
- Take good note by yourself or from another classmate. A detailed lecture note is one of the best resources to do homework and to prepare for exams and final.

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.

Disruptive Student: 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.

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.

Academic Dishonesty: Students who submit the work of others as their own or cheat on exams or other assignments will receive a failing grade F in the course and will be reported to college authorities.

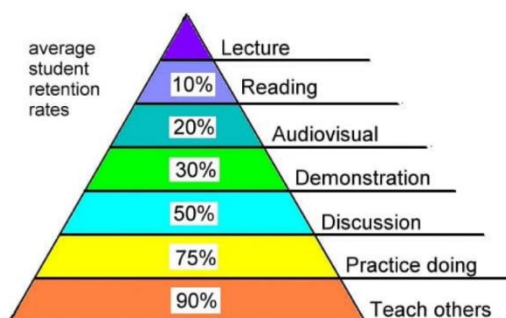
Expected Student Conduct: A student who is disruptive will be asked to leave the class. A student who refuses to leave the room will be dropped from the class and will be reported for further action. During the quarter, if you have any questions about the course policies, you will be first referred to 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.

Tentative Course Calendar

M	T	W	Th	F
1/3 Syllabus&Canvas	1/4 2.1-2.2	1/5 2.2 limits using definition	1/6 2.3 limits using laws	1/7 2.3 limits of piece-wise functions
1/10 2.5 continuity, IVT	1/11 2.6 Limits at infinity	1/12 2.6 HA & VA	1/13 more on limits	1/14 Hw#1 due EXAM#1
1/17 Martin Luther King Holiday	1/18 2.7-2.8 derivative using limit definition	1/19 2.8 differentiability & sketching derivatives	1/20 3.1 power rule	1/21 3.1 equations of tangent & normal line
1/24 3.2 product rule	1/25 3.2 quotient rule	1/26 3.3 derivative of trig	1/27 3.3	1/28 Hw#2 due EXAM#2
1/31 3.4 chain rule	2/1 3.4	2/2 3.5 implicit differentiation	2/3 3.5 deriv of inverse trig	2/4 3.6 deriv of logarithm
2/7 3.6	2/8 10.1-10.2 parametric equations and curves	2/9 Hw#3 due EXAM#3	2/10 3.9 related rates	2/11 3.9
2/14 3.10 Linear Approx	2/15 3.10 Differentials	2/16 4.1 absolute max/min values	2/17 4.2 MVT 4.3 Graphical Intro to inc/dec, local min/max, concavity	2/18 President Holiday
2/21 President Holiday	2/22 4.3 1 st & 2 nd deriv tests	2/23 4.3 Curve sketching	2/24 4.3 more on curve sketching	2/25 Hw#4 due EXAM#4
2/28 4.4 indeterminate forms and L'H rule	3/1 4.4	3/2 4.4	3/3 4.5-4.6 advance curve sketching	3/4 4.7 optimization
3/7 4.7	3/8 4.7	3/9 4.7	3/10 4.7	3/11 Hw#5 due EXAM#5
3/14 4.8 Newton approx	3/15 4.8	3/16 4.9 anti-derivatives	3/17 4.9 applications	3/18 Catching up
3/21 Hw#6 due FINAL EXAM 11:30am-1:30pm	3/22	3/23	3/24	3/25

Learning Pyramid



Source: National Training Laboratories, Bethel, Maine

1/16 Last day to add
 1/17 Last day to drop
 2/25 Last day to drop with a W
 3/21-3/25 Final Exam week

Math 1A Homework

- Homework is graded on completeness and neatness, see tentative course calendar for due date.
- Why should students care about showing work and getting the correct answers?
 - **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,
 - Hw without show work will be -1pt for each section (Do not write only the answer)
 - Submit one file per section. (Do not combine sections into a single file)

Late hw gets a solid 0pt, so do not submit late hw.

NOTE: To scan and upload hw with your phone, I recommend you to use the free Adobe Scan app.

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

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

Hw#3 (10pts)

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

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

Hw#4 (10pts)

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

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

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

Hw#5(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

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

Hw#6 (10pts)

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.