DeAnza College

Winter 2020 MATH 1A–29 MW 4:00 – 6:15 ADM 119

Instructor:	L. Zhang **Email**: zhanglinlin@fhda.edu **Class Website:** https://deanza.instructure.com
Text:	Calculus Early Transcendentals, Stewart (8th edition)
Equipment:	Graphing Calculator
Office Hours:	**E37** MW 12:30 – 1:25PM or through email

1. Prerequisite:
MATH 43 or MATH 43H (with a grade of C or better), or appropriate score on Calculus Placement Test within the past calendar year.

2. Course Objective
Analyze and explore aspects of the differential calculus. Topics include: limits of functions, L'Hospital's Rule, derivative of a function as a limit, rules of differentiating functions, equation of a tangent line to a function , graphing functions using first and second derivatives, model minimum/maximum problems and use derivatives, antiderivative of simple functions.

3. Student Conduct:
You are expected to attend all class lectures in their entirety (Prior notification is required to leave class before it is over). 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.

4. Cell Phones:
(1) Put your cell phones on silent before the class starts. If you need to take a call or send a text message, you may step quietly outside. (2) You may not use your cell phone as a calculator.

5. Drop Policy:
Attendance is integral to your success in this course. Any student who misses 2 meetings in the first two weeks will be dropped from the class. After that, it is **your responsibility to drop the class** if you feel like you can't continue for any reason.

6. Academic Integrity:
Students are expected to complete their own work. Working with others to solve problems and independently writing up answers is fine. However, copying another student's solutions verbatim is not.
Talking to other students and using unauthorized materials during tests is considered cheating. Violation of this policy will result in the student receiving no credit for the entire assignment or test. Further action may be taken depending on the circumstance. To learn more about what constitutes cheating in a classroom environment, please see the college catalog.

6. Canvas
All assignments, handouts and class announcements will be posted on Canvas. It is your responsibilities to check Canvas at least once a week to be current with the class.
I will also use Canvas to send out class email so check your inbox daily.
You can login with your **campuswide ID** and initial password of **mmddyy** (your birthday).

7. Grade:

All handouts, class announcements and your **grades** will be posted on the **Canvas** website (https://deanza.instructure.com). It is your responsibilities to check the website at least once a week.

3 Exams	300 Points	**A: 90-100%**
7 Quizzes (drop 1)	48 Points	**B: 80-89%**
8 InClass (drop 1)	21 Points	**C: 70-79%**
9 Homework (drop 1)	48 Points	**D: 60–69%**
Final Exam	100 Points	**F: 0-59%**
Total	517 Points	

Exams:

Three **100-point** exams will be given with no make-ups. Your lowest exam score can be replaced by your final exam percentage. If you miss an exam it will count as your lowest exam score.

Quizzes:

A **8-point** quiz will be given on most **Monday**, except when there is a test. You will be allowed to reference your notes but not your textbook. NO makeups for missed quizzes.

In Class Practice

You can only participate when you are present. Each student are allowed to drop one in-class practice at the end of the quarter. In Class Practice will be given in most days when there is no quizzes so students get a chance to practice the material learn. They are **3-point** each. There is no make up so you will get zero on the days when you are absent. In-class works are done in group so please use that as a chance of learning and working with other students.

Homework:

The purpose of homework is to help you learn the course material. It is your responsibility to do the homework **on a daily basis**. All homework will be done online through MyMathLab

- Log into CANVAS and click into our class website.
- All homeworks can be found under "Assignments" (Due date see Canvas)

Each homework set will be scaled to **5 points** and the lowest one will be dropped.

Final Exam:

A two-hour comprehensive final exam will be given. A student who misses the final exam and does not contact the instructor will receive an F in the course.

8. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. To begin the reasonable accommodations process, I will need to fill out a request form from the Disabilities Support Services (DSS). For more information, please visit the DSS office at SCSB 141, call (408) 864-8753 /(408) 864-8748 TTY, or go to www.deanza.edu/dss.

9. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free individual and small group drop-in services. For more information, go to www.deanza.edu/studentsuccess/mstrc.

10. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	**January**	6 Intro & Review 1.1 - 1.4	8 1.5/2.1	
2	**January**	13 **Quiz 1** 2.3/2.4	15 2.2/2.5	**Saturday, Jan. 18th:** last day to add **Sunday, Jan. 19th:** last day to drop with no record.
3	**January**	20 Holiday MLK	22 **Quiz 2** 2.6/2.7	
4	**January**	27 2.7/2.8	29 **Test 1** **2.1 – 2.6**	**Friday, Jan. 31st:** last day to request P/NP.
5	**February**	3 3.1/3.2	5 **Quiz 3** 3.3/3.4	
6	**February**	10 3.5	12 **Quiz 4** 3.6/3.9	
7	**February**	17 Holiday President's	19 3.10/4.8	
8	**February**	24 **Test 2** 2.7 -3.9	26 **Quiz 5** 4.4/4.1	**Friday, Feb. 28th:** last day to drop with a "W".
9	**March**	2 4.2/4.3	4 **Quiz 6** 4.5	
10	**March**	9 4.7	11 **Quiz 7** 4.9	
11	**March**	16 **Test 3** 3.10 – 4.8	18 10.1/10.2	
12	**March**	23	25 **Final Exam** **4:00 – 6:00 PM**	

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.