

Instructor:	Lin Zhang Email: zhanglinlin@fhda.edu Class Website: https://deanza.instructure.com
Text:	Calculus Early Transcendentals, Stewart (8 th edition) (WebAssign: deanza 3445 5887)
Equipment:	Graphing Calculator
Office Hours:	Zoom by appointment https://cccconfer.zoom.us/j/91613548016 password: 732626

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. 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.

4. 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 **mmddy** (your birthday).

5. Support Services

Students with disabilities needing reasonable accommodations should inform me in the beginning of the quarter. For more information, please visit the DSS office www.deanza.edu/dsps/dss.

6. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free online Zoom tutoring service. For more information, go to <https://www.deanza.edu/studentsuccess/>

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.

4 Quizzes	40 Points	A: 90-100%
8 Homework (drop 1)	70 Points	B: 80-89%
<u>5 Exam</u>	<u>500 Points</u>	C: 70-79%
Total	610 Points	D: 60-69% F: 0-59%

Quizzes:

- A **quiz** will be given on days marked on the class calendar
- All quizzes are open notes
- Quizzes are scaled to **10 points** each and will be given during class time, and due the next day.
- You need to submit your work to Canvas as a single pdf file.
- There will be 10% penalty on each day for late submission, where partial day is round up to the nearest whole day. If an assignment is 10 minutes day, that's round up to 1 day late.

Homework:

- Homework assignments are assigned on WebAssign Course ID: **deanza 3445 5887**.
- Due to COVID19, Cengage offers free access (you just to renew free access every 14 days)
- Each homework set will be scaled to **10 points** and the lowest one will be dropped.
- You get one free HW extension the whole quarter, and there is 20% penalty on late problems.

Exams:

- Five 100-point exams will be given during scheduled class time.
- If you have to miss an exam under extreme circumstances, notify the teacher in advance.
- You can't drop any tests, and normally there will be NO make up. If you miss an exam its score is zero.
- Exams will be done online (Canvas or WebAssing). If you need to show work on paper, you will submit your work through Canvas within 15 minutes after the online portion ends. There will be 10% penalty on every 5 minutes late submission on paper submission.

8. Class Calendar

Month	Monday	Tuesday	Wednesday	Thursday	Notes
June	29 Review/2.1 (Pg 1 – 2)	30 2.2/2.3 (Pg 3 – 7)	1 2.3/2.5 (Pg 8 – 10)	2 Quiz 1 2.6 (Pg 11 – 13)	Thursday, July. 2nd last day to add.
July	6 2.7/review (Pg 14)	7 2.8 (Pg 1 – 3)	8 Test 1 2.1 – 2.7	9 3.1/3.2 (Pg 4 – 8)	Monday, July. 6th last day to drop with no record.
July	13 3.3/3.4 (Pg 9 – 12)	14 3.5 (Pg 13 – 15)	15 Quiz 2 3.6 (Pg 16 – 17)	16 3.10/4.4/4.1 (Pg 1 – 4)	
July	20 Test 2 2.8 – 3.6	21 4.1/4.2 (Pg 5 – 8)	22 4.3 (Pg 8 – 11)	23 Quiz 3 4.5 (Pg 11 – 12)	
July	27 3.9	28 Test 3 3.10-4.5	29 4.8/4.7	30 Quiz 4 4.9	
August	3 10.1	4 10.2	5 Test 4 3.9, 4.7, 4.8 10.1	6 Final Exam	Tuesday, August. 4th last day to drop with a “W”.

- Pre-recording lessons will be on Canvas →Modules
- Attendance of the following days are **mandatory** for in class activities:
- I will notify you if there is change to the days.

- **Monday 6/29** **Thursday 7/2**
- **Tuesday 7/7**
- **Wednesday 7/15**
- **Thursday 7/23**
- **Thursday 7/30**
- **Tuesday 8/4**

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.