

Instructor:	Lin Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Text:	Calculus Early Transcendentals, Stewart (8 th edition), WebAssign online HW (Access from Canvas) \$60 for the Calculus sequences http://services.cengagebrain.com/course/site.html?id=4922575
Equipment:	Graphing Calculator is required (TI 83plus , ...) TI Emulator Apps For iPhone: GraphNCalc83 (free) For Android: Wabbit EMU (free)
Zoom MW 1:30–3:45PM	https://fhda-edu.zoom.us/j/98365772428?pwd=cUZmMmkwTEwwMDILcTJhZlo0QVVvUT09 Meeting ID: 983 6577 2428 Passcode: 1p503f
Office Hours:	TTh 11:30 – 12:30PM or email me for appointments https://fhda-edu.zoom.us/j/94763822175?pwd=SU53OEN1N01pMWx4SXpRVjdCTFVSdz09 Meeting ID: 947 6382 2175 Passcode: 296326

1. Prerequisite:

Prerequisite: Mathematics 1A or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

2. Course Objective:

- A. Analyze and evaluate the definite integral as a limit of a Riemann sum and examine its properties
- B. Examine the Fundamental Theorem of Calculus
- C. Find definite, indefinite, and improper integrals using various techniques
- D. Examine applications of the definite integral in Mathematics
- E. Examine some applications of the definite integral to other subjects, such as, physics, economics and biology. For example: probability, center of mass, and work done by force.
- F. Examine differential equations

3. Academic Integrity:

Copying another student's solutions, or using unauthorized materials (online search engine or solution manual) during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test.

4. Drop Policy:

Attendance is integral to your success in this course. I expect you to attend all class meetings. **It is always YOUR RESPONSIBILITY to drop** the class if you feel like you can't continue for any reason.

5. 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.

6. Tutoring

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

You can also use “**NetTutor**” link on the navigation in Canvas or attend my office hour. Email me for appointments if you want to meet at alternative time.

7. Grade:

All grades will be posted on Canvas as soon as they become available. It is your responsibilities to check Canvas at least once a week to monitor your grades for the class.

16 In Class (drop 2)	70 Points	
5 Quizzes (drop 1)	40 Points	A: 90-100%
11 Homeworks (drop 1)	100 Points	B: 80-89%
11 Discussions	20 Points	C: 70-79%
4 Exams	400 Points	D: 60–69%
<u>Final Exam</u>	<u>100 Points</u>	F: 0-59%
Total	730 Points	

In Class Participation

In Class practice will be given at each class meeting. It’s 5 points each day where 2 points are class attendance and 3 points of submissions of practice problems to Canvas before deadline. On the day of absence, you can still complete the problems (watch lesson videos to find out inclass problems) and get back up to 3 points. Two lowest scores will be dropped at the end of the term.

Quizzes

Quizzes will be given on **WebAssign**, but you are also required to write down your work for each problem and submit the paper as a single PDF file to Canvas. Quizzes are scaled to 10 points each and cannot be made up, but the lowest one will be dropped.

Homework:

The purpose of homework is to help you learn the material in the course. Homework assignments are available on WebAssign, but you need to access it through Canvas so your accounts can be linked together.

Each homework set will be scaled to 10 points and the lowest one can be dropped. You can request for HW extension through WebAssign. Everyone gets total of 5 days extensions without penalty. After that there is a 5% penalty on each extension day. If a HW is due on 1/12, request to extend it until 1/15 counts as 3 day extension.

Discussions:

There will be 11 discussion topics corresponding to the 11 homework assignments. Each discussion is 2 points each. You need to make 2 posts to get the full credit. You are encouraged to ask questions (from HW or lessons) on the discussion board. You can post a solution to a question. If you don’t have questions, you can also share an idea, a song or an article.

Exams:

Four 100-point exams will be given. If you have to miss an exam under extreme circumstances, please notify the teacher in advance. You can’t drop any tests. There will be test correction opportunities after the first three tests. I will explain it on a separate file or email.

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. Class Calendar

Week	Month	Monday	Wednesday	Notes
1	January	4 5.1	6 5.2/5.3	
2	January	11 5.3/5.4	13 5.5/6.1	Sat. Jan. 16th last day to add. Sun. Jan. 17th last day to drop with no record.
3	January	18 MLK Holiday	20 6.2/6.3	
4	January	25 Test 1 Ch 5 & 6.1	27 6.4/6.5	Friday, Jan. 29th last day to request P/NP.
5	February	1 3.11/7.1/7.2	3 7.2/7.3	
6	February	8 7.4/7.5	10 Test 2 6.2-6.5 & 7.1-7.3	
7	February	15 President's Holiday	17 7.6/7.7	
8	February	22 7.8/8.1	24 8.2	Friday, Feb. 26th: last day to drop with a "W".
9	March	1 Test 3 7.4-7.8 & 8.1	3 8.3/8.5	
10	March	8 9.1	10 9.2	
11	March	15 9.3/9.4	17 Test 4 8.2-8.5 & 9.1-9.2	
12	March	22 No School	24 Final Exam 4:00 – 6:00 PM	

Student Learning Outcome(s):

- *Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- *Formulate and use the Fundamental Theorem of Calculus.
- *Apply the definite integral in solving problems in analytical geometry and the sciences.