Instructor:	Linlin Zhang **Email**: zhanglinlin@fhda.edu **Canvas:** https://deanza.instructure.com/
Text:	**Calculus Volume 2** (Openstax)
Equipment:	**Scientific Calculator is sufficient, but Graphing Calculator will work too.** During lesson, you can use your phone: **TI Emulator Apps** For iPhone: GraphNCalc83 (free with ads) For Android: Graphing Calculator plus 84 83 ($2.99)
Office Hours:	**TTh 11:00AM – 12:00PM Zoom**

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:**
   - Analyze and explore aspects of the integral calculus.
   - Analyze and evaluate the definite integral as a limit of a Riemann sum and examine its properties.
   - Examine the Fundamental Theorem of Calculus.
   - Find definite, indefinite, and improper integrals using various techniques.
   - Apply the definite integral to applications.
   - Examine differential equations.

3. **Student Learning Outcomes:**
   - 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.

3. **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 can't continue for any reason.

4. **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.

5. Tutoring

The Math, Science, and Technology Resource Center **(S43)** provides free online and in-person tutoring **Monday – Thursday 9AM – 6PM** and **Friday 9AM – 12PM.** For more information, 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.

6. 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.

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.

In Class (drop 2)	10%	**A:** 90-100%
Homeworks (drop 1)	15%	**B:** 80-89%
8 Quizzes (drop 1)	15%	**C:** 70-79%
2 Exams	40%	**D**: 60–69%
Final Exam	20%	**F:** 0-59%
Total	100%	

In Class Participation

Each lesson has in-class practice through the lessons. You will complete the assigned problems and turn them in. In-Class assignments are graded on completion and effort. In the events of absence, you will receive zero. Two lowest scores will be dropped for overall grade calculation.

Quizzes

Several weekly Quizzes are given near the end of class on selected Wednesday. All quizzes are open notes. If you use digital devices to take notes, please copy them or print them on paper.

Homework:

Homework assignments are assigned on MyOpenMath test bank. You need to submit your answers to **MyOpenMath** (embedded in **Canvas**). Even I am not collecting work, you are supposed to work out the problems on your own paper.

Late Work Policy

Each student are given **6 late passes (7-day extension each)** this quarter. After a homework assignment is due, you should see a "late pass" button in the description of the assignment. If an assignment is due on 1/12, using one late pass will extend the due date to 1/17. After using all your late passes, you can complete an assignment in "**Practice**" mode, and there is a **20% penalty** when I record your grade later.

De Anza College

Midterms and Final

Two midterms and *one final exam* will be given. Every test counts. You CAN'T drop any.

8. **Class Calendar**

Week	Monday	Wednesday	Notes
1	9/22 1.1 Riemann sum	9/24 1.2 Definition of Integral	
2	9/29 1.3 Fund. Thm of Calculus	10/1 **Quiz 1** 1.4 Net Integrals	**Sun. Oct. 5th** last day to add or drop
3	10/6 1.5 Intgrt by Substitution	10/8 **Quiz 2** 2.1 Area Between	
4	10/13 2.2 volume by Revolution	10/15 **Quiz 3** 2.3 volume by Cyli. Shell	
5	10/20 3.1 Integration by Parts	10/22 **Test 1** 1.1 – 1.5, 2.1-2.3	
6	10/27 3.2 Trig Integrals	10/29 **Quiz 4** 3.3 Trig Substitution	
7	11/3 3.4 Partial Fractions	11/5 **Quiz 5** 3.4 Partial Fractions 2.4 Arc Length	
8	11/10 3.5 Integration Formulas 3.6 Appr. of Integrals	11/12 **Quiz 6** 3.7 Improper Integrals	**Friday, Nov. 14th:** last day to drop with a "W".
9	11/17 2.4 Surface Area 2.6 Center of Mass	11/19 **Quiz 7** 2.5 Work Done	
10	11/24 2.5 Work Done 2.7 Intgr of Exp. And Log	11/26 **Test 2** **2.4, 2.6, 3.1 – 3.7**	**Thanksgiving** Thursday 11/27 – 11/30
11	12/1 4.1 Differential Equation 4.3 Separable Differential Eq	12/3 **Quiz 8** 7.1/7.2 Calculus of Parametric Curves	
12	12/8 **Final Exam** **1:45 – 3:45 PM**	12/10	

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