

Instructor:	Lin Zhang Email: zhanglinlin@fhda.edu Canvas: https://deanza.instructure.com/
Text:	Calculus Volume 2 and Calculus Volume 3 (Openstax) Please follow the link and download BOTH PDF files to your computer. MyOpenMath is a free homework platform embedded in Canvas.
Equipment:	Graphing Calculator is recommended (TI 83plus , ...) During lesson, you can use your phone, but you need an actual calculator for on-campus testing. TI Emulator Apps - For iPhone: GraphNCalc83 (free with ads) - For Android: Graphing Calculator plus 84 83 (free)
Office Hours:	Zoom Meeting Meeting ID: 818 1915 9768 Passcode: 023310

1. Prerequisite:

Prerequisite: Mathematics 1B 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 Description:

Students in this course will learn about infinite series, lines, and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves, derivatives, and integrals of vector functions.

3. Student Learning Outcomes:

- Analyze infinite sequences and series from the perspective of convergence, using correct notation and mathematical precision.
- Apply infinite sequences and series in approximating functions.
- Synthesize and apply vectors, polar coordinate system and parametric representations in solving problems in analytic geometry, including motion in space.

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.

4. Tutoring

The Math, Science, and Technology Resource Center (**S43**) provides free online tutoring **Monday – Thursday 10AM – 5PM**. For more information, go to www.deanza.edu/studentssuccess/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.

5. Academic Integrity:

All tests are allowed some notes, but your work must reflect what you know based on your own knowledge and thought. Referencing or copying another student's solutions, or searching answer online during tests are considered cheating. Violation of this policy will result in the student receiving ZERO credit for the entire assignment or test. Further action may be taken depending on the circumstance.

6. 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.

7. Important Date

Sunday 10/4 Last day to add/drop without a “W.”

Wednesday 11/11 Veterans Day No School

Friday 11/13 Last day to drop with a “W”

Thursday/Friday 11/27 – 11/30 Thanksgiving No School

8. 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.

- InClass (drop 2) 12%
- Homework (drop 1) 12%
- Quizzes 6%
- Weekly Check-in 2%
- 3 Exams 51%
- Final Exam 17%

In Class Participation

There will be problems assigned **during the lesson videos**. You need to complete those problems and submit your work to the corresponding InClass assignments. You will be graded by effort and completion, not by correctness.

Two lowest scores will be dropped for overall grade calculation at the end of the term.

Homework:

Homework assignments are assigned from 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 (5-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.

Quizzes:

Three **group** Quizzes are assigned on weeks indicated in class calendar. You are required to sign up to work with 2 other students in the class online/in-person so complete them. More details will be posted on Canvas by the end of the first week.

Weekly Check-in:

To get to know how everyone is doing and keep track your progress, you will answer a few questions each week in the weekly check-in assignments.

Midterms and Final

Three midterms and **one final exam** will be held on **De Anza campus** room **MLC 103 from 4:30 PM - 6PM** with dates indicated in the class calendar. Every test counts. You CAN'T drop any, but you can replace the lowest mid-term with the average the final the other two midterms.

Week	Lessons	Notes
1	9/21 – 9/27 5.1 Sequences 5.2 Infinite Series	
2	9/28 – 9/4 5.3 The Div. and Integral Tests 5.4 Comparison Tests	Quiz 1
3	10/5 – 10/11 5.5 Alternating Series 5.6 Ratio and Root Tests	
4	10/12 – 10/18 6.1 Power Series and Functions 6.2 Prop. and Power Series	Test 1 10/16 Friday 4:30 – 6PM

Week	Lessons	Notes
5	10/19 – 10/25 6.3 Taylor and Maclaurin Series 6.4 Talyor Series	
6	10/26 – 11/1 7.3 Polar Coordinates 7.4 Area and Arc Length in Polar Coordinates	Quiz 2
7	11/2 – 11/8 2.1 Vectors in the Plane 2.2 Vectors in 3-Dimensions 2.3 The Dot Product	Test 2 11/6 Friday 4:30 – 6PM
8	11/9 – 11/15 2.3 The Dot Product 2.4 The Cross Product 2.5 Equations of Lines and Planes in Space	
9	11/16 – 11/22 2.6 Quadric Surfaces 2.7 Cylindrical and Spherical Coordinates	Test 3 11/20 Friday 4:30 – 6PM
10	11/23 – 11/29 3.1 Vector-Valued Functions and Space Curves 3.2 Calculus of Vector-Valued Functions	
11	11/30 – 12/6 3.3 Arc Length and Curvature 3.4 Motion in Space	Quiz 3
12	12/7 – 12/13	Final Exam 12/11 Friday 4:30 – 6:30PM

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Office Hours:

1:00 PM - 1:30 PM	MCL 103	M,W
3:45 PM - 4:15 PM	MCL 103	M,W