DeAnza College

Fall 2025 MATH 01C –16F Gunn Highschool MW 4:30 – 6:45 N214

Instructor:	Linlin 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:	**A scientific or Graphing Calculator is required**
Class meeting	**Gunn Highschool Room N214 MW 4:30 – 6:45 PM**
Office Hours:	**TTh 11:00AM – 12:00PM Zoom**

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:**

   - Graphically and analytically synthesize and apply multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
   - Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
   - Synthesize the key concepts of differential, integral and multivariate calculus.

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 feel like 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%
Homeworks (drop 1)	15%
8 Quizzes (drop 1)	15%
2 Exams	40%
Final Exam	20%
Total	100%

A: 90-100%
B: 80-89%
C: 70-79%
D: 60–69%
F: 0-59%

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.

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 5.1 Sequences	9/24 5.2 Infinite Series	
2	9/29 5.3 The Div. and Integral Tests 5.4 Comparison Tests	10/1 **Quiz 1** 5.5 Alternating Series	**Sun. Oct. 5th** last day to add or drop
3	10/6 5.6 Ratio and Root Tests	10/8 **Quiz 2** 6.1 Power Series and Functions	
4	10/13 6.2 Prop. and Power Series	10/15 **Quiz 3** 6.3 Taylor and Maclaurin Series	
5	10/20 6.4 Talyor Series	10/22 **Test 1 (5.1 – 5.6, 6.1/6.2)**	
6	10/27 7.3 Polar Coordinates	10/29 **Quiz 4** 7.4 Area and Arc Length in Polar Coordinates	
7	11/3 2.1 Vectors in the Plane 2.2 Vectors in 3-Dimensions	11/5 **Quiz 5** 2.2 Vectors in 3-Dimensions 2.3 The Dot Product	
8	11/10 2.3 The Dot Product 2.4 The Cross Product	11/12 **Quiz 6** 2.5 Equations of Lines and Planes in Space	**Friday, Nov. 14th:** last day to drop with a "W".
9	11/17 2.6 Quadric Surfaces 2.7 Cylindrical and Spherical Coordinates	11/19 **Quiz 7** 3.1 Vector-Valued Functions and Space Curves	
10	11/24 3.2 Calculus of Vector-Valued Functions	11/26 **Test 2 (6.3/6.4, 7.3/7.4, 2.1-2.5)**	**Thanksgiving** Thursday 11/27 – 11/30
11	12/1 3.3 Arc Length and Curvature	12/3 **Quiz 8** 3.4 Motion in Space	
12	12/8 No Class	12/10 **Final Exam** **4:30 – 6:30 PM**	

Student Learning Outcome(s):

• 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.

Office Hours:

T	11:00 AM - 12:00 PM	Zoom
TH	11:00 AM - 12:00 PM	Zoom