



About the class

Math- 1C-32 CRN: 46272 ZTC

6:30 pm to 8:45 pm/ Tuesday, Thursday/ Room # E31. We will use free e-book and free online homework system.

Office Hours: Friday 6:00 pm- 7:00 pm via Canvas

Instructor Information

Instructor Name	Neelam R Shukla
Email	shuklaneelam@fhda.edu
Office Hours	Friday 6:00 pm-7:00 pm via Canvas Zoom

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.

Prerequisite

MATH 1B or MATH 1BH (with a grade of C or better) or equivalent. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273

Required Textbook

“Calculus III Series and Vector Calculus” Free OER e-book.

https://math.libretexts.org/Courses/De_Anza_College/Calculus_III%3A_Series_and_Vector_Calculus

Homework

Homework assignments must be completed on Canvas. As you click on homework assignment, it will take you to MyOpenMath. It is free to use. The due dates follow Pacific Standard Time (PST).

Important Note

Graphing calculator is recommended for the course. TI-84 Plus or Plus CE is highly recommended. This calculator is widely used in math, science, and engineering courses. You are required to bring a physical calculator to the exam, and sharing calculator is considered as cheating incident during exams. Using the calculator apps on your phone is strictly prohibited on the exam. You can borrow from the library too but check in advance about the procedure.

Your Email: Please check your email regularly. You are welcome to ask me any questions related to lecture, homework, or personal emergency through email. Please

following the format of the subject line stated below.

“Math 1C:

You write your inquiry after the colon.

- MyOpenMath (Work System): Homework, will be assigned and graded. Exams will be in class. If an assignment is required to be completed on paper, you are required to scan your work and upload it to Canvas.
- Scanning Your Paperwork: If an assignment is expected to finish on paper, and completed the assignment. If you do not have a scanner at home, use a free app called Genius Scan.
- It allows you to take pictures of your work and merge multiple pictures into one PDF document.
- 
- Lectures and Expected Preparation.
- Attend the lectures in Class. Please take a couple minutes to explore the modules on Canvas. Students are expected to take. Most importantly, this is a transferred-level math course. Do not expect your instructor to explain all the homework problems in lectures. When you encounter problems that require profound thoughts and interpretation, think before you ask. Each weekly module has links to your weekly assignments (homework, Labs), and exams.

Canvas

There are a few places that you must visit frequently on Canvas.

- Modules
- Homework Assignments
- Discussion

Attendance

The course is in person. You are expected to maintain a good self-discipline to attend the classes and to finish the assignments on time because late works will receive 5% deductions.

Grades

Homework, 15% of the Course Grade:

Problems will be assigned from each section taught in lecture. You are required to finish most of the homework on MOM via Canvas.

Quiz, 25 % of the Course Grade:

A quiz will be assigned and graded on Canvas or in class. Quiz is an individual assignment.

Lowest score will be dropped. Students can use late pass for homework it does not apply to midterms, final exam. More importantly, your one-time extension late pass

must be redeemed within 7 days (168 hours) after the due date for at most 10 homework assignments, and it will not be opened for anyone, rule is same for every student in the class so please do not ask for.

The incident of falsifies information for financial aid is increasing in every school district. If you do not complete the first week's assignment, attend class or having no activities on Canvas, you will be dropped from the course.

Exams, 35% of the Course Grade.

There are 3 Midterm in this course, and all the exams will be in class. Exam date will be announced in advanced. If you seek for assistances to complete the exam, your exam score is zero and you will get an F in this course, you can use one paper with formulas written on it during the exam or quiz. Try contact DSPS on time in case you qualify for extra time.

Labs 5%; You are required to do Group-work for Labs.

Final Exam, 20% of the Course Grade.

A comprehensive final exam: Thursday June 25,2026, time 6:15 pm-8:45 pm Room# E31

Check Points:

- Homework 15%, Quiz 25%, Exams 35 %, Discussion & Labs 5%; Final Exam 20 %; Zero credit to all the missing quizzes and Exams.
- One least score will be dropped from each category.
- You are expected to check the due dates on your Canvas at least thrice a week to plan accordingly. Also, you are expected to check our Canvas page to see announcements and week module regularly.
- Comparing to homework, please solve the problems on a separate sheet of paper for your notes and preparation.

Tutoring at the Student Success Center (SSC)

The Student Success Center (SSC) has moved services into virtual rooms via Zoom for all forms of tutoring and workshops. Please visit the following website for details and latest announcements.

<https://www.deanza.edu/studentsuccess/>

Grading Rubrics

Your course grade will be assigned in the following standard:

A+: 100% to 96%	A: <96% to 93%	A-: <93% to 90%	B+: <90% to 86%
B: 86% to 83%	B-: <83% to 79%	C+: <79% to 75%	C: <75% to 70%
D: 69% to 60%	F: below 60%		

All the cut-offs are not negotiable. For examples, 89% is not an A-minus and 69% is not a C. Transferring to UCs, CSUs, top-ranking universities, or scholarships are not a reason to ask for a higher grade.

Extra Credit Assignment

There are no extra credit assignments in this course to improve your grade.
Please do not ask for any.

Free Tutoring: I strongly encourage you to utilize this resource. More information can be found here:
<http://www.deanza.edu/studentsuccess/mstrc/>

Supplemental Resources: I encourage you to poke around the library and web to see what other supplemental resources exist. One great resource is the following link:
<http://tutorial.math.lamar.edu/Classes/Alg/Alg.aspx>

Academic Integrity

All students are expected to be academically honest throughout the term. Any instances of cheating or plagiarism will result in disciplinary action, which may include recommendation for dismissal. You are encouraged to work together but submitting someone else's work as your own is never acceptable! Also, that activity will be of no help to you later. Cheating will result in getting a 0 on the assignment or assessment, an 'F' in the course, or dismissal from the class. Also, each incident of cheating will be reported to the Dean of the Physical Science, Mathematics and Engineering Division. Please see the De Anza College's page on [Academic Integrity](#). Also, please watch this [video](#) that's designed to help you understand what academic honesty means:

Help

1. Your classmates are a great resource. Ask for help and provide help to others either within your current groups or using Canvas discussion boards!
2. Visit me during office hour for help with online homework or any other course related questions.
3. Ask questions during the class meetings on Monday, Wednesday.
4. Get help from De Anza's Math [Student Success Center](#). Use NetTutor (available 24/7) for help through Canvas. You can also access SmartThinking through MyPortal.

If you need any technical help with My Portal, Zoom, [Canvas help](#).

Academic Integrity

Academic dishonesty will not be tolerated. Any student attempting to defraud/cheating the instructor on a quiz, exam, final exam, or any other assessment item designated as an individual assignment will receive a zero on that assignment.

Course Content

Chapter 1: Parametric Equations and Polar Coordinates

Weak 1-2

Lab 1: Discussion

1.1: Sequences

1.2: Infinite Series

1.3: The Divergence and Integral Test

1.4: Comparison Tests

1.5: Alternative Series

1.6: Ratio and Root Tests

Weak 3 to 4

Quiz 1 (Chapter1)

Exam1(Chap 1)

2.1: Power Series and Functions

2.2: Properties of Power Series

2.3: Taylor and Maclaurin Series

2.4: Working with Taylor Series

Quiz 2 (Chapter 2)

Week 5 to 6

Chapter 3: Parametric Equations and Polar Coordinates

3.1: Parametric Equations

3.2: Calculus of Parametric Curves

3.3: Polar Coordinates

3.4: Area and Arc Length in Polar Coordinates

Week 7-8-Lab 3

Exam 2. (Chapter 3)

Chapter 4: Vector in Space

4.1: Vectors in Plane

4.2: Vectors in Three-Dimensional

4.3: The Dot Product

4.4: The Cross Product

4.5: Equation of Lines and Planes

4.6: Quadratic Surfaces

Chapter 5: Vector-Valued Functions

Week 9-10

Lab 4/Discussion

Quiz 3 (Chapter 4)

5.1: Vector-Valued Functions and Space Curves

5.2: Calculus of Vector Functions

5.3: Arc Length and Curvature

5.4: Motion in Space

Exam 3 (Chapter 3&4)

Week 11-12

Review and Final Exam

Quiz 4 (Chapter 5), Review, Final Exam

Academic Calendar

Calendar: <https://www.deanza.edu/calendar/>

Important Dates

April 6	Spring classes begin
April 19	Last day to add 12-week classes
May 23-25	Memorial Day Weekend - no classes, offices closed
May 29	Last day to drop classes without a W

May 29. Last day to [drop classes](#) with a W
June 19. Juneteenth Holiday - no classes, offices closed
June 22-26 [Final exams](#) :Thursday June 25,2026, time 6:15 pm-8:15pm Room# E31

The professor reserves the right to make changes to the syllabus, including project due dates and test dates (excluding the officially scheduled final examination), when unforeseen circumstances occur. These changes will be announced as early as possible so that students can adjust their schedules.

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:

F	6:00 PM - 7:00 PM	Zoom,Canvas
F	5:00 PM - 6:00 PM	Zoom,Canvas