



Math 1C
Fall 2025

Instructor: John Jimenez

Modality : Asynchronous

Email: jimenezjohn@fhda.edu

Office hours by F 8:00a-12:00p via Zoom
appt.: Schedule appointments in advance [here](#)
(24 hour notice).

Required Text and Recommended Materials:

- Textbook: Our (free) textbook will be Calculus Vol 2 & 3 from Openstax:
<https://openstax.org/details/books/calculus-volume-2>
<https://openstax.org/details/books/calculus-volume-3>
- Access to <https://deanza.instructure.com/>. Canvas is where all the course information will be available. Information regarding grades, announcements, resources, etc.

Grading:

Exams	Homework	Final
50 %	20 %	30 %

Grading scale where x = your grade
A+ $97\% \leq x$
A $92\% \leq x < 97\%$
A- $90\% \leq x < 92\%$
B+ $87\% \leq x < 90\%$
B $82\% \leq x < 87\%$
B- $80\% \leq x < 82\%$
C+ $77\% \leq x < 80\%$
C $70\% \leq x < 77\%$
D+ $67\% \leq x < 70\%$
D $62\% \leq x < 67\%$
D- $60\% \leq x < 62\%$
F $x < 60\%$

Exams 50 %: Three exams will be given throughout the quarter. The lowest exam score will be dropped.

- Oct 13th
- Nov 3rd
- Nov 24th

Homework 20 %: There will be weekly homework assigned on canvas through MyOpenMath. The lowest homework grade will be dropped. All assignments will be online through MyOpenMath (MOM) which is a free online course management and assessment system for mathematics. You will automatically be enrolled and have access to MyOpenMath through Canvas so no action is required by students.

Final 30 %: The final for this course will be a two-hour cumulative exam. See the schedule at the end of the syllabus for a date and time.

Makeup and Assignment Policies: There are no makeup exams, quizzes, or final. All grades are final. If you take your exams, quizzes, or the final in the DSS center, it is your responsibility to reserve a time with the DSS testing facility prior to the assignment date. All homework assignments (MOM) will have due dates posted but if for some reason you cannot turn in an assignment, use a LatePass and turn it in as soon as possible without penalties. There is only a finite amount of LatePasses you can use so use them wisely!

Resources to Succeed in this Course:

- Free on campus tutoring for math in the Math, Science & Technology Resource Center located in S43. <https://deanza.edu/studentssuccess/mstrc/>
- The MESA center located in S54 has drop-in tutoring. <https://www.deanza.edu/mesa/>
- After-hours or weekend tutoring. See the [Online Tutoring](#) page for information about NetTutor (via Canvas) or Smarthinking (via MyPortal).

Classroom Attendance and Participation Protocol: Arrive to class on time. Arriving late is distracting to the class and also counterproductive toward your chances of doing well in the course. Many of the lectures in a math class can be dense and catching up on your own outside of the classroom will be significantly more difficult. The usage of smart devices, phones, or laptops in class is not permitted and they must be put away during lecture. Required usage of a device outlined in documentation provided by the DSS offices will be honored. Otherwise, no usage is allowed. Tablets may be used for note taking but they must be level with the writing surface, not upright.

Disability Statement: If you have a disability related need for academic accommodations or services in this course, you will need to provide me with a Test Accommodation Verification Form (TAV form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give a two week notice if they are in need of accommodations. For those students with disabilities, you can obtain a TAV form from their DSS counselor (408 864-8753 DSS main number) or EDC advisor (408 864-8839 EDC main number). The application process can be found here: <https://www.deanza.edu/dsps/dss/applynow.html>

Academic Integrity: Students suspected of academic dishonesty shall be subject to College discipline which include suspension and or expulsion for any of the following misconduct that occurs at any time on campus or at any off campus facility, including internet-based courses held on the worldwide web, or college-approved or sponsored functions. Additionally a failing grade will be given to the student on the exam, quiz, or final that academic dishonesty has taken place. These standards are intended to promote

responsible student conduct and fair play. For more details, see Administrative Procedure 5520: Student Discipline Procedures. https://www.deanza.edu/policies/academic_integrity.html.

Tentative Course Schedule:

Week	Topics
Week 1	1.1 Sequences 1.2 Series (Infinite Series)
Week 2	1.3 The Integral Test and Estimates of Sums 1.4 The Comparison Tests
Week 3	1.5 Alternating Series 1.6 Absolute Convergence and the Ratio and Root Tests
Week 4	2.1 Power Series 2.2 Representations of Functions as Power Series (Properties of Power Series)
Week 5	2.3 Taylor and Maclaurin Series 2.4 Working With Taylor Series
Week 6	3.1 Curves Defined by Parametric Equations 3.2 Calculus with Parametric Curves
Week 7	3.3 Polar Coordinates 3.4 Areas and Lengths in Polar Coordinates
Week 8	4.1 Three-Dimensional Coordinate Systems 4.2 Vectors 4.3 The Dot Product
Week 9	4.4 The Cross Product 4.5 Equations of Lines and Planes
Week 10	4.6 Cylinders and Quadric Surfaces 5.1 Vector Functions and Space Curves
Week 11	5.2 Derivatives and Integrals of Vector Functions (Calculus of Vector-Valued Functions) 5.3 Arc Length and Curvature 5.4 Motion in Space: Velocity and Acceleration
Week 12	Finals Week (No Topics)

Important Dates:

- October 5 Last day to add 12-week classes
- October 5 Last day to drop classes without a W
- November 11 Veterans Day holiday – no classes; offices closed
- November 14 Last day to drop classes with a W
- November 27-30 Thanksgiving holiday – no classes; offices closed
- December 8-12 Final exams

For a comprehensive list of important dates see <http://www.deanza.edu/calendar/>.

Course Description: Fundamentals of differential calculus. (5 units)

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 8:00 AM - 12:00 PM Zoom