Math 1B

Winter 2026

Instructor:	John Jimenez	Class :	Asynchronous
Email: jimenezjohn@fhda.edu		Office hours (by Appointment):	Day/Time via Zoom Schedule appointments in advance here .

Required Text and Recommended Materials:

- Textbook: Our (free) textbook will be Calculus II: Integral Calculus from LibreText: https://commons.libretexts.org/book/math-160854.

- Access to https://deanza.instructure.com/. Canvas is where all the course information will be available. Information regarding grades, announcements, resources, etc.

Grading:

Homework	Exams	Final
20 %	50 %	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.

- Exam 1 1/26/2026.
- Exam 2 2/17/2026
- Exam 3 3/09/2026

Homework 20 %: There will be weekly homework assigned on canvas though 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.

- 03/23/2026

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/studentsuccess/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).

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:

Winter 2026   Textbook Link

PRIORITY KEY

High Medium Low

Week	MONDAY		TUESDAY		WEDNESDAY		THURSDAY	
Week 1			Areas and Distances 1.1		The Definite Integral 1.2		The Fundamental Theorem of Calculus 1.3	The Fundamental Theorem of Calculus 1.3
Week 2	Homework 1 Due Quiz 1 The Fundamental Theorem of Calculus 1.3		Indefinite Integrals 1.4		Indefinite Integrals 1.4		The Substitution Rule 1.5	
Week 3	Martin Luther King Jr. Holiday		Homework 2 Due Quiz 2 Integrals Involving Exponential and Logarithmic Functions 1.6		Integrals Resulting in Inverse Trigonometric Functions 1.7		Areas Between Curves 2.1 Volumes Disk/Washer Method 2.2	
Week 4	Homework 3 Due Exam 1 (1.1-2.1)		Volumes Disk/Washer Method 2.2		Volumes by Cylindrical Shells 2.3		Volumes by Cylindrical Shells 2.3	
Week 5	Homework 4 Due Quiz 3 Arc Length of a Curve and Surface Area 2.4		Physical Applications 2.5		Moments and Centers of Mass 2.6		Moments and Centers of Mass 2.6	
Week 6	Homework 5 Due Quiz 4 Integration by Parts 3.1		Trigonometric Integrals 3.2		Trigonometric Integrals 3.2		Trigonometric Substitution 3.3	
Week 7	Presidents' Holiday		Exam 2 (2.2-3.1) Homework 6 Due		Trigonometric Substitution 3.3		Partial Fractions 3.4	
Week 8	Homework 7 Due Quiz 5 Partial Fractions 3.4		Other Strategies for Integration 3.5		Numerical Integration 3.6		Numerical Integration 3.6	
Week 9	Homework 8 Due Quiz 6 Numerical Integration 3.6		Improper Integrals 3.7		Improper Integrals 3.7		Probability 3.8	
Week 10	Exam 3 (3.2-3.7) Homework 9 Due		Parametric Equations 4.1		Calculus of Parametric Curves 4.2		Calculus of Parametric Curves 4.2	
Week 11	Homework 10 Due Quiz 7 Basics of Differential Equations 5.1		Directional Fields and Numerical Methods 5.2		Separable Equations 5.3		The Logistic Equation 5.4	
Week 12 Finals Week	Final Exam							

Important Dates:
- 1/18 Last day to drop classes without a W
- 1/19 Martin Luther King Jr. Holiday - no classes, offices closed
- 2/13-16 Presidents' Holiday - no classes, offices closed
- 2/27 Last day to drop classes with a W

For a comprehensive list of important dates like the drop deadline
http://www.deanza.edu/calendar/.

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

Student Learning Outcome(s):

• 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.

Office Hours:

     F   8:00 AM - 12:00 PM   Zoom