Math 1A + 201A: Calculus with Corequisite Support – Winter 2026
Mon., Wed., Thur. 1:30-3:45pm in E-31 (in-person only)

Instructor: Cheryl Jaeger Balm   Email: `balmcheryl@fhda.edu`
Office hours: Mondays and Wednesdays
            9:00-9:50am in S-76g
            10:00-10:50am in S-55 (Physical Sciences & Technology Village Space)

My goals for you this quarter:
– Believe that you can **excel** at math, no matter what your past experiences have been.
– Be fully prepared to pass your future Calculus courses

Textbook: Free LibreTexts textbook at `https://commons.libretexts.org/book/math-160741`

Calculators: You do *not* need a calculator for this class. You may need to use the graphing website `desmos.com` or the Desmos app for some homework problems, but no calculator will be needed or permitted during quizzes and exams.

I C U Care principles

Include others as experts – Look beyond the expertise of the teacher to recognize your own
            brilliance and that of your classmates.
Critical consciousness – Understand negative stereotypes and actively work to erase their effects.
Understand how relationships improve learning – Get to know your teacher and classmates!
Culturally relevant resources – Seek out resources that help you see yourself as a **doer** of
            mathematics.
Assess, activate and build on prior knowledge – Value the prior knowledge you bring to the
            classroom and build on it to learn new things.
Retain control – Take ownership of your learning!
Expect more – Expect more from yourself and your classmates by rising above any low expectations
            that others may set for you or that you may have for yourself. Expect more from your
            teacher to **teach you until you understand**.

Student Learning Outcomes (aka what I hope you can do at the end of Math 1A+201A):

1. Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.

2. Evaluate the behavior of graphs in the context of limits, continuity and differentiability.

3. Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

4. Demonstrate sound mathematical techniques by applying proper mathematical notation in solving problems in modeling real-world scenarios, equations, and inequalities, including rational, polynomial, trigonometric, exponential, and logarithmic functions, with a focus on identifying critical points, asymptotes, and limits, and utilizing derivative analysis for optimization and related rates problems

Attendance: You are expected to be present **in-person** for all class meetings. If you miss a class, you are responsible for covering the material before you return to class. You should read the corresponding section(s) of the textbook and get notes from a classmate. You are also responsible for knowing about any changes to the syllabus and/or schedule that may be announced in class. Please stay home if you are not feeling well or awaiting results from a COVID test; otherwise you should plan to attend all class meetings.

Canvas: The class calendar, updates and announcements will be posted on Canvas, which you can access through MyPortal. I recommend that you also download the Canvas app if you have a smart phone. Canvas Inbox is the best way to email your instructor.

Once you have accessed **Canvas**, please go to Account → Notifications and adjust your **Notification Preferences** so that you have selected **"Notify me right away"** for Announcement, Submission Comment and Conversation Message. Other notification settings are up to you.

Cell phones and other devices: You may bring a laptop or tablet to class to access your eBook or to take notes. However, cell phones, tablets, laptops and other electronic devices must not become a distraction to you or your classmates. If I see or hear you using a device during class to access unrelated content or in a distracting manner, I may confiscate the device until the end of that class meeting. You will not be allowed to use a cell phone or tablet during any quizzes or exams.

Homework: You will be given a list of suggested homework problems from the online textbook. The homework will *not* be collected or graded. However, solving these problems is essential for keeping up with the class. Moreover, the exams and quizzes will be of the same spirit as the homework and will often contain similar or identical problems. You are expected to work on each day's assigned problems before you come to the next class meeting.

In-class Group Work: Most class meetings will include group work. This will be graded based on participation and effort.

Quizzes: There will be 10 weekly quizzes, usually on Thursdays. Quizzes will be open-note, but you must show all your work on each problem you receive full credit. The material that each quiz will focus on will be announced in class the day before the quiz. Your lowest quiz score will be dropped. There are no make-up quizzes.

Midterm Exams: There will be 3 in-class midterm exams. All exam dates are listed on the class calendar and in Canvas. Each of the midterm exams will focus the material covered since the previous test.

Final Exam: There will be a final exam on **Monday, March 23, 1:45-3:45pm**.

Podcast: You will create 3 podcast episodes for this class. Details are in the Podcast Project instructions in Canvas. All podcast due dates are listed on the class calendar and in Canvas.

Project: One project will be assigned during the quarter. Details of the project will be available in Canvas.

Course grades will be assigned as follows:

Group work	9 Quizzes	3 Midterms	Final	Project	3 Podcasts
5%	27%	36%	12%	5%	15%
	(3% each)	(12% each)			(5% each)

Grade	A	B	C	D
Overall percent	≥ 90	≥ 80	≥ 70	≥ 60

Student resources:

- Your classmates: Form study groups to learn from one another.

- Your instructor: Make use of office hours. **Do not wait until you are drowning to get help!**

- MSTRC (Math, Science and Technology Resource Center): Free peer tutoring is available in person in S-43 and online via Zoom. Hours and more details can be found at `https://deanza.edu/studentsuccess/mstrc/`.

- More free student resources are listed in the Start Here module in Canvas

Other:

- If you have any questions regarding your grade on any assignment, please discuss the matter with me before leaving the room with the graded material. Once the graded material has left the classroom, no grading changes will be made.

- Disruptive talking and other interruptions during class is not conducive to learning will not be tolerated. Respect your classmates and your instructor!

Disability Statement: De Anza College makes reasonable accommodations for people with documented disabilities. Please notify Disability Support Programs and Services (DSPS) if you have any physical, psychological or other disabilities, vision or hearing impairments or ADD/ADHD. More details can be found here `https://www.deanza.edu/dsps/`

Academic Integrity: Learning involves the pursuit of truth, which cannot occur by presenting someone else's work as your own. Each student must pursue their academic goals honestly and be personally accountable for all submitted work. **Representing another person's work and/or AI-generated work as your own is always wrong.** Any suspected instance of academic dishonesty on any assignment will be reported to the college and may result in a 0 on the assignment and/or a failing grade in the class. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to `https://www.deanza.edu/policies/academic_integrity.html`.

Important Dates for this class:
– Sun., Jan. 18: Last day to drop for a full refund and with no record of grade.
– Mon., Jan. 19: Holiday – no class.
– Mon., Feb. 16: Holiday – no class.
– Fri., Feb. 27: Last day to drop with a W.
– Thur., Mar. 19: Last day of class and last day to request pass/no pass grade.
– Mon., Mar. 23: Final exam 11:30am-1:30pm

Tentative class schedule (subject to change):

Week	Mon	Wed	Thur
Week 1: Jan. 5-8	Functions (1.1)	Function families (1.2A)	Graph transformations (1.2B); **Quiz 1**
Week 2: Jan. 12-15	Trig and inverse functions (1.3, 1.4)	Exponential and logarithmic functions (1.5)	Review (1.1-1.5); **Quiz 2**
Week 3: Jan. 19-22	**NO CLASS**	**EXAM 1**	Tangent lines and limits (2.1, 2.2)
Week 4: Jan. 26-29	Infinite limits (4.6A)	Slant asymptotes (4.6B)	Limit laws (2.3A): **Quiz 3; Podcast #1 due tomorrow**
Week 5: Feb. 2-5	Continuity (2.3B, 2.4)	Derivative definition and function (3.1, 3.2)	Review (2.1-2.4, 3.1, 3.2, 4.6); **Quiz 4**
Week 6: Feb. 9-12	**EXAM 2**	Derivative rules and applications (3.3, 3.4)	Trig derivatives (3.5): **Quiz 5**
Week 7: Feb. 16-19	**NO CLASS**	Chain rule and implicit differentiation (3.6, 3.8); Start project	Inverse trig, exponential and log derivatives (3.7, 3.9A); **Quiz 6; Podcast #2 due tomorrow**
Week 8: Feb. 23-26	Logarithmic differentiation and l'Hôpital's rule (3.9B, 4.7)	Linear approximation and antiderivatives (4.2, 4.10)	Review (3.3-3.9, 4.2, 4.7, 4.10); **Quiz 7**
Week 9: Mar. 2-5	**EXAM 3**	Extrema and Mean Value Theorem (4.3, 4.4)	First derivative test (4.5A); **Quiz 8; Project due**
Week 10: Mar. 9-12	Second derivative test (4.5B)	Curve sketching (4.6C)	Parametric curves and derivatives (5.1, 5.2); **Quiz 9; Podcast #3 due tomorrow**
Week 11: Mar. 16-19	Related rates (4.1)	Optimization (4.8)	Review (4.1, 4.3-4.8, 5.1, 5.2); **Quiz 10**
Week 12: Mar. 23-26	**FINAL EXAM 1:45 - 3:45**		

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• Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Office Hours:

S-76g   M,W   9:00 AM - 9:50 AM
S-55   M,W   10:00 AM - 10:50 AM