Math 1D: Calculus – Spring 2025
Monday through Friday 11:30 am – 12:20 pm in G-1

Instructor: Dr. Cheryl Jaeger Balm
Email: `balmcheryl@fhda.edu`   **Office number:** S-76g

This is a FULLY IN-PERSON class which meets on campus FIVE days a week.

Tips for success (however YOU define it!):

- Expect to spend 6-10 hours a week outside of class studying and working on homework. *Schedule these hours just as you would work or class!*

- Form a study group, and make use of the tutoring center.

- Come to office hours, and start your assignments early so you can ask questions in office hours.

- Visit the MSTRC (Math, Science and Technology Resource Center) in S-43. Free workshops and peer tutoring in-person and via Zoom are available. Hours and more information can be found here `https://www.deanza.edu/studentsuccess/`.

- Make an appointment to meet with me (virtually or in-person) if you are busy during regular office hours or want to talk one-on-one.

> **Office Hours**
> **Physical Sciences and Technology Village (S-55)**
> Mondays 1:00 – 2:30 pm
> Wednesdays 1:30 – 2:30 pm
> Thursdays 1:00 – 2:30 pm

Textbook: *Stewart, Calculus Early Transcendentals* (9th edition)

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

1. Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.

2. Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.

3. Synthesize the key concepts of differential, integral and multivariate calculus.

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 $\rightarrow$ 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.

Calculators: No calculators are required for this class, but you will be permitted to use a *scientific calculator without graphing capabilities* during exams. In addition, the free websites `wolframalpha.com`, `desmos.com` and `geogebra.org/3d` will be helpful during your homework.

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 in Canvas for each section that we cover in the textbook. This homework will NOT be collected or graded. However, solving these problems is essential to understanding the class material (and to passing your quizzes and exams!). After each class, you are expected to work on all relevant assigned problems before the next class meeting. *Do not fall behind!*

Quizzes: There will be seven (7) in-class quizzes throughout the quarter. You will be allowed to use you homework during all quizzes. *If you do your homework on a tablet, you must print it out to be allowed to use it during the quiz.* Missed quizzes and/or low quiz scores will be replaced by the following midterm exam grade. **No make up quizzes will be given for any reason.** All quiz dates are on the calendar below.

Midterm Exams: There will be three (3) in-class, closed-book midterm exams. Each midterm will focus on a single chapter of your textbook. All midterm exam dates are on the calendar below. One (1) missed exam and/or low exam score will be replaced by your final exam grade. **No make up exams will be given for any reason.**

Podcast: You will create three (3) podcast episodes for this class. Details are in the Podcast Project instructions in Canvas.

Exit tickets: You will be given an exit ticket to turn in at the end of each class meeting. You must be present in class to complete the exit ticket. There will be no exit tickets on quiz or exam dates. You may have up to four (4) dropped grades for missing exit tickets.

Final Exam: Your final exam will be in-person **Monday, June 23, 11:30 am – 1:30 pm**. It will be cumulative.

Course Grades:

Exit Tickets	3 Podcasts	7 Quizzes	3 Midterms	Final
5%	15% (5% each)	20%	45% (15% each)	15%

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

Important Dates for Winter Quarter 2025:

- Sun., April 20: Last day to add classes or to drop a class with full refund and no record of grade.

- Mon., May 26: Memorial Day holiday

- Fri., May 30: Last day to drop with a "W."

- Thur., June 19: Juneteenth holiday

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`.

Tentative class schedule (subject to change):

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Wk 1: Apr. 7-11	Class introduction	14.1	14.2	14.3	14.4A
Wk 2: Apr. 14-18	**QUIZ 1** (14.1-14.3)	14.4B	14.5	14.6A	14.6B
Wk 3: Apr. 21-25	14.7	**QUIZ 2** (14.4-14.6)	14.8A	14.8B	Review
Wk 4: Apr. 28 – May 2	**EXAM 1** (Ch. 14)	15.1A	15.1B	15.2	15.3; Podcast #1 due Sunday
Wk 5: May 5-9	15.4	15.5	**QUIZ 3** (15.1-15.4)	15.6A	15.6B
Wk 6: May 12-16	15.7A	15.7B	15.8A	**QUIZ 4** (15.5-15.7)	15.8B
Wk 7: May 19-21	Review	**EXAM 2** (Ch. 15)	16.1	16.2A	16.2B; Podcast #2 due Sunday
Wk 8: May 26-30	**NO CLASS**	16.2C	16.3A	**QUIZ 5** (16.1-16.2)	16.3B
Wk 9: June 2-6	16.4	16.5A	16.5B	16.6A	**QUIZ 6** (16.3-16.5)
Wk 10: June 9-13	16.6B	16.7A	16.7B	16.8	**QUIZ 7** (16.4-16.7); Podcast #3 due Sunday
Wk 11: June 16-20	16.9	Review	**EXAM 3** (Ch. 16)	**NO CLASS**	Review; All podcast redos due
Wk 12: June 23	**FINAL EXAM 11:30 – 1:30**				

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• 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.

Office Hours:

S-55	M,TH	1:00 PM - 2:30 PM
S-55	T	1:30 PM - 2:30 PM