

Meets:	Mon/Wed 6:30PM-8:45PM. Room: De Anza MLC108
Instructor:	Prof. Vadim von Brzeski. Call me Prof. V. Email: vonbrzeskivadim@deanza.edu . Email is my preferred method of contact – you can email me anytime – I will usually respond in a few hours, but definitely within 24 hrs.
Office Hours:	Tuesdays 6:15PM – 7:30PM, or by appointment. Location: De Anza E37
Course description:	Introduction to integral calculus; theory and applications.
Pre-requisites:	MATH 1A or MATH 1AH, or equivalent. Proficiency with algebra.
Materials:	<ol style="list-style-type: none">1. Book (REQUIRED): Calculus: Early Transcendental, by James Stewart, 8th Edition. NOTE: there are multiple versions of this textbook, some with more chapters than others. The minimum one you need for Math 1B has ISBN-13: 978-1305270336; Math 1B covers chapters 5, 6, 7, 8, and 9. However, if you plan to take Math 1C or 1D, I recommend you get the full version. You can also rent it from amazon.com. MyMathLab access not required.2. Working email account.3. Canvas access.
Method of Instruction / Philosophy:	You don't learn math by reading or listening to math; you learn math by doing math. Thus, each session will be organized as follows: 60 minutes of lecture interspersed with problem solving/practice; 10 minute break; 65 min of lecture interspersed with problem solving practice. However, that is not enough – you will need to spend at least 5 hours per week solving problems on your own.
Attendance	Due to the COVID situation, attendance is encouraged but NOT required (except for quizzes and exams). Students are expected to attend all classes, to be on time, and to stay for the entire class period, but if you suspect you may have COVID – please let me know and stay home until you are well and/or get tested. Any student who misses both classes during the first week, without making prior arrangements with the instructor, will be dropped. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course.
Homework:	There will be 8 homework assignments, but they will not be collected nor graded. They are examples of problems I consider important to understand and know how to do. Very similar problem will appear on quizzes and exams. Homework assignments and class notes will be posted on Canvas.
Exams:	There will be 4 quizzes. Each quiz will be 20-30 minutes in length, at the start of class. The quizzes will be closed book, no notes, no calculators, no electronic devices. The quiz dates are show in the Calendar below. There will be no make-up quizzes under any circumstances. There will be 2 midterm exams. The exam dates are shown in the Calendar. The midterm exams will be 1 hour long, at the start of class. The midterms will be closed book, no calculators, no electronic devices, but one sheet of notes will be allowed.

The **final exam** will be on **Wednesday, March 23, 6.15 pm – 8:15pm**. The final exam will be **cumulative**. The final exam will be closed book, no calculators, no electronic devices, but one sheet of notes will be allowed.

MISSED MIDTERM/QUIZ POLICY: NO MAKE-UPS WILL BE GIVEN. The lowest midterm **and** lowest single quiz score will be replaced by 90% of the final exam score, if the latter is higher. For example, if your midterm scores are 80/100 and 70/100, and your final exam score is 180/200, then since $0.9 \times (180/200) = 81/100 > 70/100$, your second midterm score will be “upgraded” to 81/100. Same applies to the lowest quiz score.

Grading
Breakdown:

	Quantity	Points Each	Total Points	%
Quizzes	4	25	100	20%
Midterms	2	100	200	40%
Final	1	200	200	40%
TOTAL			500	100%

Grading Scale:

Your grade in the class will be determined by the total number of points you earn on quizzes, midterms, and the final. **There will be no “rounding up” – don’t ask.**

If total points....	... then grade:
>= 485	A+
>= 465	A
>= 450	A-
>= 435	B+
>= 415	B
>= 400	B-
>= 385	C+
>= 350	C
>= 300	D
< 300	F

Expectations of
Students:

- Academic dishonesty will not be tolerated.** If a student is found cheating on a quiz or exam, or violating other codes of academic integrity, he or she will receive a 0 score for the item in question. Repeated instances of cheating may lead to failing the course and further action. See the section on Academic Integrity in your current schedule of classes.
- Showing your work:**
 - You need to **show your work on quizzes and exams** in order to get full credit.
 - Your work needs to be **legible** – if I can’t decipher your handwriting, you will lose points. Neatness will also help correctness.
- Class conduct:** Any student who is disruptive may be asked to leave class. A student who refuses to leave the room may be dropped from the class and reported for further action. **Students are expected to silence and put away mobile phone, tablets, etc,** and should refrain from eating during class.

Important
Registrar Dates:

LAST DAY TO ADD: **Jan 15**
 LAST DAY TO **DROP** (full refund and no record of grade): **Jan 17**
 LAST DAY TO REQUEST PASS/NO-PASS: **Jan 28**
 LAST DAY TO DROP WITH A “W”: **Feb 25**

Students with Disabilities:

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see the contacts below:

- Disability Support Services (DSS): Student Services Building (408)864-8753
- Educational Diagnostic Center (EDC): Learning Center West 110; (408)864-8839.
- Special Education Division: (408)864-8407; <https://www.deanza.edu/dsps/>

Student Learning Outcomes

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.

Calendar

	Monday		Wednesday		Homework
Jan 3	Intro; 4.9	5.1	Quiz 1 (Math 1A) 5.2	5.2	HW #1
Jan 10	5.3	5.4	5.5	6.1	HW #2
Jan 17	MLK Day		Quiz 2 (Ch 5) 6.2	6.2, 6.3	HW #3
Jan 24	6.3, 6.4	6.4, 6.5	7.1	7.2	Practice Problems #1
Jan 31	Midterm 1 (Ch 5, Ch 6)	7.3	7.4	7.5	HW #4
Feb 7	Review Exam 1; 7.7	7.7	7.8	TBD	HW #5
Feb 14	Quiz 3 (Ch 7) 8.1	8.1, 8.2	8.2, 8.3	8.3, 8.4	HW #6
Feb 21	PRESIDENTS DAY		8.5	8.5	Practice Problems #2
Feb 28	Midterm 2 (Ch 7, Ch 8)	9.1	9.2	9.3	HW #7
Mar 7	9.4	TBD	Quiz 4 (Ch 9)	TBD	HW #8
Mar 14	Review	Review	Review	Review	Practice Problems #3
Mar 21			FINAL EXAM: 6:15PM – 8:15PM		

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.