MATH-1C.13   Syllabus   Fall 2023

Meets:	Mon/Wed 4:00PM-6:15PM. Room: De Anza MLC109
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:	Wednesdays 6:30-7:30pm. Location: De Anza E37. Or by appointment via Zoom.
Course description:	Students in this course will learn about infinite series, lines, and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves, derivatives, and integrals of vector functions.
Pre-requisites:	MATH 1A, 1B with grade C or better. **Proficiency with algebra.**
Materials:	1. *Calculus: Early Transcendentals*, **9th edition** by James Stewart. Online access for around $43 at Cengage. If you choose the get the hardcover version, make sure it is ISBN-978-1337613927 (there are different versions). 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. Each session will be organized into some lecture and some hands-on problem solving. However, that is not enough – **you will need to spend around 6-8 hours per week solving problems on your own**.
Attendance	Attendance is **required**. Students are expected to attend all classes, to be on time, and to stay for the entire class period. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. **Attendance** counts for **4% of your grade** via in-class problems we will do together.
Homework:	**Homework** problems are posted for each section, but they **will not be collected nor graded**. They are intended as practice to gain proficiency and prep for exams. Similar problems will appear on quizzes and exams. Homework & in-class problems, and class notes will be **posted on Canvas under Modules → Week … for any particular week**.
Exams/Quizzes:	There will be **5 quizzes**, each around 30 min in length, **at the start of class**. The quiz dates are shown in the Calendar. Quizzes will be **closed book, no notes, no calculators**, no electronic devices. There will be **2 midterm exams**. The exam dates are shown in the Calendar. The midterm exams will be around 70 min 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 **Wed, Dec 13, 4pm – 6pm.** The final exam will be **cumulative.** The final exam *may* be open book/notes, but **no calculators**, no electronic devices allowed.

MISSED MIDTERM/QUIZ POLICY: NO MAKE-UPs WILL BE GIVEN. The *lowest midterm* **and** *single lowest quiz* score will be replaced by 90% of the final exam score (if the latter is higher). For example, if your lowest midterm score is 50/80, and your final exam score is 140/160, then since 90% x (140/160) > 50/80, your second midterm score will be "upgraded" to (140/160) x 0.9 = 63/80.   Same applies to the lowest quiz score.

Grading
Breakdown:

	Quantity	Points Each	Total Points	%
Attendance	20	1	20	4%
Quizzes	5	30 - 40	160	32%
Midterms	2	80	160	32%
Final	1	160	160	32%
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:

1. **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 for more details.
2. **Showing your work**:
   a. You need to **show your work on quizzes and exams** to get full credit.
   b. Your work needs to be **legible** – if I can't decipher your handwriting, you will lose points. Neatness will also help correctness.
3. **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 phones, tablets, etc.**, and should refrain from eating during class. See https://www.deanza.edu/student-complaints/rights-responsibilities.html for details about student rights and responsibilities.

Important
Registrar Dates:

LAST DAY TO **DROP** (full refund and no record of grade): **Oct 8**

LAST DAY TO DROP WITH A "W": **Nov 17**

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	Students in this course will learn about infinite series, lines, and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves, derivatives, and integrals of vector functions. The specific learning outcomes are as follows: • Graphically, analytically, numerically, and verbally 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.

Calendar

Topics May Change, EXCEPT: Quiz, Midterm, Final Exam Dates are Locked.

Week	Monday		Wednesday	
Sep 25	Intro	Diagnostics / Review	11.1	11.2
Oct 2	11.3	11.4	**QUIZ 1 (30m)** 11.4	11.5
Oct 9	11.6	11.7	11.8	11.8
Oct 16	**QUIZ 2 (30m)** 11.9	11.9	11.10	11.11
Oct 23	**MIDTERM 1 (70m)**	10.1	10.2	10.3
Oct 30	10.4	10.4	**QUIZ 3 (30m)** 12.1	12.1
Nov 6	12.2	12.2	12.3	12.3
Nov 13	**MIDTERM 2 (70m)**	12.4	12.5	12.5
Nov 20	13.1	13.1	**QUIZ 4 (30m)** 13.2	13.2
Nov 27	13.3	13.3	13.4	13.4
Dec 4	**QUIZ 5 (30m)**	TBD	REVIEW	REVIEW
Dec 11			**FINAL EXAM** **Wed, Dec 13, 4-6pm**	

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:

     W   06:30 PM   07:30 PM   In-Person   E37