Syllabus

Math1A – Q02: CALCULUS I
DE ANZA COLLEGE

- Instructor: Vinh Thanh Nguyen

- E-mail: nguyenvinh2@fhda.edu

- Office Hours: Mon Wed 5:00 PM – 6:30 PM over Zoom

- Class Location and Time: Mon Wed 11:00 AM – 01:15 PM S75

- Questions: Please email me and identify yourself and the course you are enrolled in. I will respond to your email within 1-2 business days. Otherwise, please resend.

- Textbook: Calculus-Early Transcendental, 9th edition, by James Stewart. *(e-text or pdf copy is okay.)*

- Course Description: Fundamentals of differential calculus.

- Course SLO:

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

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

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

- Required Materials: The textbook, a calculator, and a notebook.

- Course Pre-requisites and corequisite:

  o Mathematics 32 or Mathematics 32H or Mathematics 43 or Mathematics 43H *(with a grade of C or better)*; or appropriate score on Calculus Placement Test within the past calendar year.

  o Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

  o **There is a 2.5 - unit corequisite to this course. Students enrolling in this section must also enroll in MATH 201A.Q02 (CRN 28814).**

- Method of Instruction: In class lectures.

- Attendance: This class is an in-person class. Students are expected to attend all classes on time. Students who are absent more than four times may be dropped out of class. However, it is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline will not be considered by the instructor.

- Homework *(50 points):*
    o Homework is the key to success in this class. Late submissions will result in a loss of points.
    o Plan to spend at least **TWO HOURS** on homework for each lesson.
    o The course schedule includes a list of suggested homework problems for each section. You are expected to complete **at least some** of the suggested problems, but you are responsible for knowing how to solve **all** of them. There is a direct correlation between your confidence with the homework problems and your success in this class.
    o Starting in Week 2, homework is due every Thursday at **1:15 PM** *(in person)* or by **11:59PM** *(if submitted online through Canvas).*
    o Each homework assignment is worth **2 points**.

- Participations *(50 points):* Every Thursday, we will review additional practice problems based on the homework assignments to support students' academic progress. These sessions provide a review of core prerequisite skills, competencies, and concepts necessary for understanding the theory of limits, continuity, derivatives, and their applications.

- Quizzes *(75 points)*:
    o Quizzes may be given in class or as take-home assignments. Each quiz is worth **15 points.**
    o You are **only allowed to use calculators** on the quiz day.
    o There are **no makeup quizzes.** A missed quiz, for any reason (including arriving late or leaving early), will receive a score of **zero.**
    o Your final quiz grade will be based on your five highest quiz scores. **The lowest quiz score will be dropped.**

- Midterms *(225 points):*

- o There will be t**hree midterm examinations** on the scheduled exam days (see the course schedule).
- o There are **no makeup exams.** If you miss a midterm due to what I determine to be an emergency and you provide appropriate documentation, that exam grade will be replaced with your **final exam percentage**. If the absence is not considered an emergency, you will receive a **zero** for that exam.
- o Each midterm is worth **75 points**. On exam days, you are permitted to use **calculators** and **one single-sided page of notes** *(front side only).*

- Final Exam *(100 points):*
  - o One comprehensive examination will be given from **11:30 PM – 1:30 PM on Monday, December 8th.**
  - o **Any students who miss the final exam will receive an F grade for the course.**
  - o You are allowed to use c**alculators** and **one page of notes** *(front and back side).*

- Withdrawal Policy:
  - o The last day to drop without a W is **October 5th.**
  - o The last day to drop with a W is **November 14th.**

- Academic Honestly and Discipline Policy: Students are expected to abide by the college's Code of Conduct. All work submitted must be the student's own.
  - o Tests and Quizzes: Students who give or receive unauthorized help will forfeit all points for that assignment and may receive a grade of **"F"** in the course.
  - o Take-Home Assignments: Any student submitting work that is the same as or substantially like another student's work will be required to **schedule a conference** with me. Evidence of academic dishonesty will result in **zero points** for the assignment and will be reported for further action according to college policy.

- Evaluation Process:

Homework	50 points
Participation	50 points
Quizzes	75 points
Exam	225 points
Final Exam	100 points
Total	500 points

- Grading Scale:

[460,500]	"A"
[450,459]	"A-"
[440,449]	"B+"
[410,439]	"B"
[400,409]	"B-"
[390,399]	"C+"
[350,389]	"C"
[300,349]	"D"
Below 299	"F"

- Disabled Services: Students who have been found to be eligible for accommodation by Disability Support Services (DSS), please follow up to ensure that your accommodation has been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to https://www.deanza.edu/dsps/dss/

- Tips for Success:
  - **"DO NOT PROCRASTINATE."**
  - If you ever have any questions, email me! You are welcome to send an email whenever you need help!
  - Visit the Online Tutoring Center.
  - Get to know your classmates and study together.
  - Copy the notes from all lectures, participate in class, and practice doing your homework.
  - Read the sections to be discussed in class prior to the lecture.
  - Again, seek help if you are feeling behind the class.

DATE	SECTION	PROBLEMS
Week 1	2.1	1,3,5,7
09/22 - 09/26	2.2	5,7,9,11,15,19,23,29-39 ODD
Syllabus	2.3	2,5,11-34 ODD,41
Week 2	2.5	5,9,15,19-27 ODD,35,37,41,43,45,47,49,55,59
09/29 - 10/03	2.6	7,9,13,15-42 ODD,47,51
Quiz 1	2.7	5,7,19,21,23,25,27,29,33
Week 3	2.8	21-32 ODD, 41,53
10/06 - 10/10	3.1	3-34 ODD, 35,37,39,41,49,59,61,63
Quiz 2	3.2	3-30 ODD, 31,33,35,37,39,41
Week 4	3.3	1-22 ODD,27,29,31,35,39,45-60 ODD
10/13 - 10/17	3.4	7-59 ODD
Test 1		
Week 5	3.5	5-36 ODD, 39, 41,43
10/20 - 10/24	3.6	2-40 ODD, 43, 45-57 ODD, 63-78 ODD
Quiz 3	3.9	3,5,7,9,13,15,17,19,21,25,29
Week 6	3.10	1,3,7,9,11,13,15,17,19,21,23
10/27 - 10/31	4.1	15-48 ODD, 51-66 ODD
Quiz 4	4.2	9,11,15,17,23,25
Week 7	4.3	9-31 ODD, 34-41 ODD,43,45-66 ODD
11/03 - 11/07	4.4	8-70 ODD
Quiz 5	4.5	1-54 ODD
Week 8	4.7	3,5,13,14,15,21,25,27,29
11/10-11/14		
Test 2		
Week 9	4.8	6,7,8,11,13,14,17,19,21
11/17 - 11/21		
Week 10	4.9	5-26 odd, 29-54 odd
11/24 - 11/26		
Test 3		
Week 11	10.1	7-22 ODD
12/01 -12/05	10.2	1,3,5,7,9,11,15,17,19,21,23

Quiz 6		
Dec 8th Monday	Final	11:30 pm – 1:30 pm

Student Learning Outcome(s):

• Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
• Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
• Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Office Hours:

Zoom,Canvas,Email,By Appointment   M,W   5:00 PM - 6:30 PM