Math 1A   Calculus   Summer 2023

Instructor: Jyothsna Viswanadha   Email: viswanadhayogeswari@fhda.edu
Class Timings: 12:30 pm – 2:45 pm MTWTh In person
Office Hours: By appointment

Textbook and Calculator: Calculus Volume 1 by Edwin Herman and Gilbert Strang. This is an open-source textbook for which you don't have to buy. It's free. This can be downloaded at https://openstax.org/details/books/calculus-volume-1

Reading textbook and practicing problems from the textbook sections is an integral part of learning. After each section is completed, you must read that section and practice problems from the section exercises. It is student's responsibility to practice and ask questions in class.

If you have a graphing calculator, you may use it in this class. If you do not have a graphing calculator, you can instead use a scientific calculator and the free graphing calculator from the website https://www.desmos.com/. Desmos has graphing and scientific calculator.

Homework: You will be assigned online homework for every section we finish in class. This homework will be done through canvas. Pay close attention to due dates and do not wait until the last minute to start assignments. Extensions for the homework can be given if needed. Email me as soon as you can if you need an extension. Extensions can't be given on homework assignments that are two weeks old.

Tests: There will be 2 tests including final. No make-up is given. Please don't ask or email about make up tests. Missed test score will be replaced by the final score if the final score is higher. Tests will be given on scheduled dates. Test#1 will be open on Thursday after the class. The test is due Sunday midnight. Final will be given on the last day of class.

In class work, Worksheets and Extra Credit: In class worksheets will be uploaded in canvas for every section, which are used to take notes and follow along in class. Some practice worksheets will be posted on Canvas for your practice only. They will not be due in class. Extra Credit will be assigned during the lecture from in class worksheets. This is due before the next class start time. There will be no makeups for extra credit.

Attendance: Attendance is mandatory on first day of class. Attendance is mandatory for in person class. If student is absent for more than three consecutive classes without any notice, then they will be dropped from class.

Tips for success in this class:

- Attend class every day and work on the problems that are assigned.
- Ask questions!
- Read the textbook and practice section exercises.
- Work on the assigned homework.
- Make use of Discussion Boards to communicate and get help from peers.
- Work with your peers and share contact information.

Student Resources:

- MSTRC (Math, Science and Technology center) is available for free tutoring services. Here's the link for more information: http://deanza.edu/studentsuccess/servicesupdate.html.

Academic Integrity: Learning involves the pursuit of truth, which cannot be pursued 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 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.

Accommodations for Students with Learning Differences:

If you have questions about these services or your eligibility for support services or eligibility, contact one of the following resources:

- Disability Support Service (DSS): Student Services Building (408) 864-8753, TTY (408) 864-8748
- Educational Diagnostic Center (EDC): Learning Center West 110 (408) 864-8839
- Special Education Division: (408) 864-8407;

www.deanza.edu/specialed

Grading Scale:

- A   90%-100%
- B   80%-89%
- C   70%-79%
- D   60%-69%
- F   Under 60%

Disclaimer:

Any of information in this syllabus is subject to change if the instructor finds it necessary. Changes will be announced during a class session and those who are absent will be held responsible for any announced changes to the syllabus.

Thanks for reading this in detail. If you have any questions at all regarding our class, please ask. I'm really looking forward to working together.

Monday	Tuesday	Wednesday	Thursday	Week
3. Sec 2.1,2.2	4 NO CLASS	5 Sec 2.3,2.4	6 Sec 3.1,3.2	1
10 Sec 3.3	11 Sec 3.4	12 Sec 3.5	13 Sec 3.6	2
17 Sec 3.7	18 Sec 3.8	19 Sec 3.9	20 Sec 4.1 Test	3
24 Sec 4.2	25 Sec 4.3	26 Sec 4.4	27 Sec 4.5	4
31 Sec 4.6	1 Sec 4.7	2 Sec 4.8	3. Sec 4.9	5
7 Sec 4.10	8 Sec 10.1	9 Sec 10.2	10 Final	6

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: