D001C08Z, Fall 2022

About the Instructor

The instructor, Salvador Guerrero, may be reached by e-mail at guerrerosalvador@fhda.edu

My intention is for our space to be a supportive, engaging, and accepting environment in which you may comfortably explore and expand your mathematical abilities. Please do not hesitate to reach out if ever you have any questions, we will work together to help resolve them.

About the Course

The course is Math 1C – Calculus, section 08Z with CRN 01497 and meets via Zoom on Monday from 4pm – 6:15pm with the remaining course hours asynchronous.

Materials

For this course you will need to be able to access the course content and meetings online, respectively on Canvas and Zoom. The textbooks we will be using, Openstax Calculus Volumes 2 and 3, are available for free online at Calculus Volume 2 - OpenStax and Calculus Volume 3 - OpenStax. It is preferable and advised that you have a separate notebook for this course.

Requisites

This course has a prerequisite of MATH 1B or MATH 1BH (with a grade of C or better) or equivalent and it is advised that you have completed EWRT 211 and READ 211, or ESL 272 and 273.

Time Commitment

As with most college courses you should expect to dedicate about 3 hours per unit per week for this course; this is a 5-unit course. This includes reading, homework, discussion, live meetings, etc. It may be that you don't need all this time, but it is best to plan for it just in case.

Description

This course covers infinite series, lines and planes in three dimensions, vectors in two and three dimensions, parametric equations of curves; derivatives and integrals of vector functions.

Assignments

Our mathematical exploration will involve reading, discussion, and practice. It is important that you set an appropriate study schedule as we will need to all work at the same pace since a large portion of our meetings will consist of Q&A and groupwork sessions. In order to help you keep pace we will have bi-weekly exams, to be completed during the weekend at your convenience. You are expected to read the text before our live sessions so that we may have a conversation about your learning; in particular, the Q&A/groupwork sessions will be guided by your questions and will depend on your having prior exposure to the topics. After you read, I will ask that you complete some exercises from the textbook and discuss in Canvas. It is important to communicate and collaborate in this day and age, so I expect that you will work in groups regularly. Please make sure to be available to meet via zoom for a two-hour final exam on Dec. 12, 2022 at 4pm – 6pm. The details of each assignment are available in Canvas.

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Grading

I hope that you find the following grading criteria helpful in creating a stress-free learning experience. Letter grades A; B; C correspond, respectively, to criteria listed as a; b; c

- Exam scores average 90%; 80%; 65%, after correcting as many times as necessary (details on first day and in Canvas).
- Participation/Classwork and Reading/Homework 90%; 80%; 70%
- Final Exam Score of at least the lower of average +1; +-0; -1 standard deviations or 90; 80; 70.

Note: + and - grades do apply depending on various sub-scores of categories. The lowest weekly score is omitted for each category in the computations above. If at any time you are concerned about the letter grade, please do not hesitate to reach out. It is best if you make sure to bring it up early, but I will always make every effort to help guide you to your best resolution.

Policies and Resources

Tutoring/Additional Help

Please know that our college provides several resources to help in your learning objectives including tutoring at the SSC (please see http://deanza.edu/studentsuccess/), tutoring via NetTutor (see Canvas), and of course a library (http://www.deanza.edu/library/).

Also keep in mind that it is 2022, well into the future now, and the internet is a powerful tool literally at our fingertips. In Canvas you will find various links to freely available video series, sample problems, and even calculators.

Attendance

It is important that you make sure to join every scheduled in person meeting as their purpose is strictly to benefit your learning. I hope that you will be able to arrive on time and stay until the end but if for any reason you are not able to, please make sure to check Canvas for any important information and to otherwise keep up with the course work.

If you are not able to join the first meeting but would like to remain enrolled, please make sure to contact me as soon as possible as students that miss the first meeting may be dropped. I will do my best to remind you of the important registration dates, but it is your responsibility to be familiar with them. If at any point you want to drop or withdraw, I will appreciate if you first talk to me.

Accommodation of Disability

If you have any disability, permanent or temporary, that might affect your ability to fully participate and perform your best please contact the Disability Support Services office (http://www.deanza.edu/dsps/) so that you may receive the support and accommodations you might find helpful.

Academic Integrity

Please be honest, both to yourself and to me, about your learning and work at all times. If you are caught cheating, you will receive a score of 0 on that assignment and it will not be dropped; you will also be referred to the appropriate office on campus.

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Student Learning Outcome(s):

*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.

Office Hours:

Zoom		T,TH	12:00 PM	01:00 PM
In-Person	E37	W	12:30 PM	01:30 PM