

Math 1B.19Z, Fall 2023

About the Instructor

The instructor, Salvador Guerrero, may be reached by e-mail at guerrerosalvador@fhda.edu or via Canvas message (preferred). 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 1B Calculus, section 19Z with CRN 27499 and meets via Zoom on Mondays and Wednesdays from 6:30pm – 8:45pm.

Materials

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

Requisites

This course has a prerequisite of MATH 1A or MATH 1AH with a grade of C or better, it is advised that you have completed EWRT 211 and READ 211 (or LART211), 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

Fundamentals of integral calculus.

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 we will spend a good amount of time in Q&A and groupwork during the meetings. In order to help you keep pace we will have exams every three weeks or so. 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 portion will be guided by your questions and the groupwork sessions will depend on your having some prior exposure to the topic. After you read, I will ask that you complete some exercises from the textbook and worksheets and that you discuss with one another. It is important to communicate and collaborate in this day and age, so I will ask that you complete a group project that you will present at the end of the quarter. Please make sure to be available to meet in person for a two-hour final exam on Wednesday December 13, 2023 at 6:15pm – 8:15pm.

Math 1B.19Z, Fall 2023

(Tentative) Schedule

Week	1	2	3	4	5	6	7	8	9	10	11	12
Sections	Intro	1.3	1.6	2.2	2.5	2.8	3.2	3.5	4.1	4.4	7.2	Final
	1.1	1.4	1.7	2.3	2.6	2.9	3.3	3.6	4.2	4.5	7.4	(Wednesday)
	1.2	1.5	2.1	2.4	2.7	3.1	3.4	3.7	4.3	7.1	Presentation	

Note: the schedule is subject to change – any changes will be announced in class and noted in the course calendar.

Grading

Please see Canvas for full details but I do 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

- 90; 80; 70 % on exams, after correcting as many times as necessary (details on first day and in Canvas).
- 90; 80; 70 % on participation and homework.
- 4.5; 3.75; 3 on projects.
- Final Exam Score of at least the lower of average +1; 0; -1 standard deviations or 88; 77; 66 %.

Note: + and - grades will be assigned as appropriate. 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 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/studentssuccess/>), tutoring via NetTutor (see Canvas), and of course a library (<http://www.deanza.edu/library/>).

Also keep in mind that it is 2023, well into the future now, and the internet is a powerful tool literally at our fingertips.

Attendance

I expect that you will be in class for most of our meetings so that you may benefit from our discussion and complete any in-class assignments. 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.

Math 1B.19Z, Fall 2023

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 understanding at all times. Academic dishonesty includes any action that involves taking credit for work that is not your own or helping a classmate to do the same – e.g. submitting solutions from an online source, copying from another student, submitting a group project that you did not work on, having someone else you're your exam, etc. Academic dishonesty will result in a score of 0 on the assignment, and will be referred to student judicial affairs for possible further disciplinary action.

Math 1B.19Z, Fall 2023

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.

Office Hours:

W,M 06:00 PM 06:30 PM Zoom