Math 12.35Z, Spring 2025

About the Instructor

The instructor, Salvador Guerrero, may be reached by e-mail at guerrerosalvador@fhda.edu and is available for office hours, via Zoom, Tuesday and Thursday 8:45PM – 9:15PM.

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 12 – Introductory Calculus for Business and Social Science, section 35Z with CRN 45432 and meets via Zoom on Tuesday and Thursday from 6:30 – 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, Business Calculus with Excel, by Mike May, S.J., and Anneke Bart, 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 31, 31H, 41, or 41H and it is advised that you have taken 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

The course will cover an introduction to limits, differentiation, and integration of single variable functions as well as differentiation of multivariable functions with applications in business, economics, and social science.

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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 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 sessions 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 discuss in small groups. It is important to communicate and collaborate in this day and age, so I expect that you will work with a group of classmates to complete a project. Please make sure to be available to meet via Zoom, with video and audio on, for a two-hour final exam on Thursday June. 26, 2025 at 6:15PM – 8:15PM. The details of each assignment are available on Canvas.

Grading

The final grades for this course will be assigned according to the weighted score of the work you have submitted. The assignments are weighted as indicated below:

Assignments	Points
Participation	15%
Homework	15%
Projects	20%
Exams	30%
Final	20%

Weighted Score (x)	**Final Grade**
$97.5 \leq x \leq 100$	A+
$92.5 \leq x < 97.5$	A
$90 \leq x < 92.5$	A-
$87.5 \leq x < 90$	B+
$82.5 \leq x < 87.5$	B
$80 \leq x < 82.5$	B-
$76 \leq x < 80$	C+
$70 \leq x < 76$	C
$67 \leq x < 70$	D+
$63 \leq x < 67$	D
$60 \leq x < 63$	D-
$x < 60$	F

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Daily Schedule

Please see the schedule for the quarter below. Ideally, you will read the sections before we discuss in the meeting.

Date	Agenda
4/8	Intro, 1.1 – 1.2
4/10	1.3 – 1.4
4/15	1.5 – 1.6
4/17	2.1 – 2.2
4/22	2.3, 3.1
4/24	Exam 1
4/29	3.2 – 3.3
5/1	3.4 – 3.5
5/6	4.1 – 4.2
5/8	4.3 – 4.4
5/13	4.5, 5.1
5/15	Exam 2

Date	Agenda
5/20	5.2 – 5.3
5/22	6.1 – 6.2
5/27	6.3 – 6.4
5/29	Exam 3
6/3	7.1 – 7.2
6/5	7.3 – 7.4
6/10	7.5 – 7.6
6/12	7.7 – 7.8
6/17	Exam 4
6/19	Project, Review
6/26	Final Exam

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 2025, 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.

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Attendance

I encourage and welcome you to join every schedule live Zoom session 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 understanding at all times. If you are caught cheating you will receive a score of 0 on that exam and it will not be dropped.

Disclaimer

The syllabus is subject to change; changes, if any, will be announced in class.

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Student Learning Outcome(s):

• Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.

• Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Office Hours:

T,TH	8:45 PM - 9:15 PM	Zoom