

De Anza College Math 1B.20Z Summer 2022

Instructor Information

Name: Salvador Guerrero

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Course Information

Title: Calculus

Location and Time: Monday and Wednesday 12:30pm – 2:45pm, Tuesday and Thursday Group Activity and Canvas Discussion Participation

Website: we will be using Canvas (deanza.instructure.com)

Materials:

Text: Calculus: Early Transcendentals, 9th edition by James Stewart

Technology: Graphing calculator (optional, TI-84 recommended) and computer with which to access Canvas.

Other: Pencil, eraser, and spiral notebook or composition book.

Note: Exams and quizzes must be completed using pencil.

Requisites:

Prerequisite: MATH 1A or Math 1AH with a grade of C or better.

Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Hours: Five hours lecture (60 hours total per quarter).

Note: it is advised that you set aside two hours of study time per hour spent in class.

Description: Fundamentals of integral calculus.

Assignments:

- There are a number of benefits to reading the text before class – classroom discussion becomes more conversational, you see the material multiple times, and you have time to formulate questions. You are expected to read through each section before we talk about it in class.
- Another important part of learning mathematics is to work through some exercises. **Homework** will be assigned regularly, scored by peer and self review.
- You are expected to actively in group activities as well as during the zoom meeting.
- There will be two midterm **exams**, each will be comprehensive up to that point and scored by the instructor.
- A two-hour comprehensive **final exam** will be administered on Thursday August 4, 2022 from 12:30 – 2:30pm. The final is mandatory and must be taken at the scheduled time. Any student not taking the final will receive a grade of F.

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Grading Policy:

- **Participation** 5%
- **Homework** 10%
- **Discussion/Groupwork** 15%
- **Exams** 25% each
- **Final Exam** 20%.
- **Course Grades** will be determined by:
 - [92%, 100%] = A
 - [90%, 92%) = A-
 - [88%, 90%) = B+
 - [82%, 88%) = B
 - [80%, 82%) = B-
 - [78%, 80%) = C+
 - [70%, 78%) = C
 - [60%, 70%) = D
 - [0%, 60%) = F

(Tentative) Schedule:

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

Policies and Resources

Academic Integrity: Cheating, plagiarism and other forms of academic dishonesty will not be tolerated. Students are expected to be honest and ethical at all times in their pursuit of academic goals. A Student caught cheating, plagiarizing, or otherwise violating the rules for an assignment will receive a grade of 0 on the assignment in question; repeat offenders will receive a grade of F in the course. In either case, a student may be referred to the Dean for academic discipline. No grade of 0 due to academic dishonesty will be dropped or replaced.

Classroom Courtesy: Your interactions with the instructor as well as your fellow classmates should be courteous and respectful at all times. Every student is entitled to learn in an environment free of distractions or disruptions (including phones, headphones, etc.). Students who are disrespectful or disruptive can, and will, be asked to leave. If a student does not leave after being asked they will be dropped from the course and referred to the Dean. **Audio/Video recordings of lecture are prohibited.**

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Attendance: Attendance is required and you are responsible for all material covered in class. I expect you to arrive to class on time and stay until class is dismissed. If you miss a class, contact a fellow student to find out what was covered. Also:

- You are expected to participate during the Zoom meetings and will only be considered present if there is evidence of your participation in the course activities.
- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this course.
- It is the student's responsibility to add, drop, or withdraw from classes before the deadlines stated in the college catalog. You should talk to me before withdrawing.
- Excessive absences may result in being dropped, at the discretion of the instructor.

Tutoring/Additional Help: Please consider the following (free) resources for additional help:

- In Person Tutoring: <https://www.deanza.edu/studentssuccess/mstrc>
- On-line Tutoring: <http://deanza.edu/studentssuccess/onlinetutoring>
- The internet: it is the future (2022), a time when information is literally at our fingertips.

Accommodation of Disability: Students that have any disability, either permanent or temporary, which might affect their ability to perform in this class should contact me immediately. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see the contacts below:

- Disability Support Services (DSS): <http://www.deanza.edu/dss>
- Educational Diagnostic Center (EDC): <http://www.deanza.edu/edc>
- HOPE De Anza: <http://www.deanza.edu/hope>

English as a Second Language: ESL students may use a translator and/or dictionary (print only, to be approved by instructor) during exams and quizzes. Please visit the college's Listening and Speaking Center (LSC) for additional resources <http://www.deanza.edu/studentssuccess/lsc/>

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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: