

De Anza College – Winter 2021

MATH 1B-07Z Calculus

Instructor: Paul Du, PhD

Class: M–F 10:30–11:20 am, Online

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Office Hours: Mon & Wed 5:30–6:20 pm, Tue 3:00–3:50 pm, Online

Prerequisite

Mathematics 1A with a grade of C or better, or equivalent.

Course Materials

- Textbook: *Calculus: Early Transcendentals*, 8th Edition, J. Stewart, Cengage Learning
- Course Notes

Calculator

A graphing calculator (e.g. TI-83/TI-84) is recommended.

Homework and Quizzes

Homework will be assigned for each lesson and will be due on each exam day. Students are responsible for solving all the problems assigned, showing all work in a neat and orderly manner. Simply giving answers without showing work will receive no credit. Homework will be graded on neatness, completeness, and correctness. Late homework will be accepted but will receive a maximum of half credit.

There will be three (3) quizzes given during the quarter. Quiz problems will be based on the homework and class examples. The lowest quiz score will be dropped. There will be no make-up quizzes under any circumstances.

Exams

There will be three (3) midterm exams given during the quarter. The lowest midterm exam score will be replaced by the final exam score, if the latter is higher. There will be no make-up midterm exams under any circumstances.

A mandatory comprehensive final exam will be given at the end of the quarter. The final exam must be taken at the officially scheduled time. Any student who misses the final exam will receive a grade of F for the course.

Late Submission Policy: All the exams will be scanned and submitted in Canvas. It is the student's responsibility to ensure that the exam is submitted on time. A penalty will be applied to the exam score for a late submission: 10% deducted for up to 10 minutes late; 20% deducted for 10 minutes to 20 minutes late. Any submission more than 20 minutes late will receive no points.

Grading Policy

The course grade will be determined by the following criteria:

| | | | |
|-------------------------|-----|------------------|-----------------|
| Homework | 10% | [99%, 100%] = A+ | [80%, 82%) = B- |
| Quizzes | 10% | [92%, 99%) = A | [77%, 80%) = C+ |
| Midterm Exams | 45% | [90%, 92%) = A- | [65%, 77%) = C |
| Final Exam | 35% | [87%, 90%) = B+ | [55%, 65%) = D |
| | | [82%, 87%) = B | [0%, 55%) = F |

Attendance Policy

Students are expected to attend all classes, to be on time and to stay for the entire class period. Any student who misses more than one (1) class during the first two weeks or more than three (3) classes before the withdraw deadline may be dropped by the instructor. Each incidence of tardiness or leaving class early will count as half an absence. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. Failure to do so may result in a grade of F for the course.

Academic Honesty Policy

Students are responsible for keeping themselves informed of the De Anza College Policy on Academic Integrity (www.deanza.edu/policies/academic_integrity.html). Cheating will not be tolerated and may result in receiving a zero on the exam or an F for the course and being reported to the Dean of Students Office for possible disciplinary action.

Accommodations for Students with Disabilities

Students with disabilities who believe that they may need accommodations in this course are encouraged to contact Disability Support Services (408-864-8753) or Educational Diagnostic Center (408-864-8839) as soon as possible to ensure that such accommodations are arranged in a timely fashion.

Additional Help

Math and Science Tutorial Center provides free tutoring services. A good online learning resource is Khan Academy (<https://www.khanacademy.org>).

Tips for Success

- ▶ Participate actively in class.
- ▶ Work problems every day.
- ▶ Review old material constantly.
- ▶ Form a study group.
- ▶ Utilize tutoring and online resources.

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.