De Anza College – Fall 2020
MATH 1A-9Z (CRN 25575)
Calculus

Instructor: Dr. Paul Du
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Class: Tue & Thur 4:00–6:15 pm, Online
Office Hours: Tue & Thur 3:00–3:50 pm, Online

Prerequisite

Mathematics 43 with a grade of C or better, or appropriate score on Calculus Placement Test within the past calendar year.

Course Materials

- Textbook: *Calculus: Early Transcendentals*, 8th Edition, J. Stewart, Cengage Learning
- Course Notes (Required)
- Others: 3-ring binder, loose-leaf paper/notebook, pencils, eraser, colored pen, stapler

Calculator

A graphing calculator (e.g. TI-83/TI-84) is recommended. Calculators with symbolic manipulation capabilities (e.g. TI-89/TI-92) will not be allowed on exams or quizzes.

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 two (2) 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.

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 and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
*Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
*Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.