

De Anza College – Winter 2022
MATH 12-40
Calculus for Business and Social Sciences

Instructor: Paul Du, PhD
E-mail: dupaul@fhda.edu

Class: TTh 6:30–8:45 pm, MLC 108
Office Hours: Th 5:00–5:50 pm, Zoom

Prerequisite

MATH 11, 41, or 41H.

Course Description

This is an introduction to limits, differentiation, and integration of single and multivariate functions, with applications in business, economics, and social sciences.

Course Materials

- Textbook: *Applied Calculus for the Managerial, Life, and Social Sciences, A Brief Approach*, 10th edition by S. Tan, Cengage. A digital book may be rented online via an e-textbook site such as VitalSource. A printed book is optional.
- Course Notes
- Calculator: A graphing calculator (e.g. TI-83/TI-84) is recommended.
- Others: 3-ring binder, loose-leaf paper, pencils, eraser, colored pen, ruler

Tips for Success

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

Additional Help

If you find yourself falling behind or find any topics difficult to understand, please seek help immediately! Math and Science Tutorial Center provides free online tutoring.

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 six (6) 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	15%	[92%, 99%) =	A	[77%, 80%) =	C+
Canvas Discussions	5%	[90%, 92%) =	A-	[65%, 77%) =	C
Midterm Exams	40%	[87%, 90%) =	B+	[55%, 65%) =	D
Final Exam	30%	[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.

Student Conduct and Classroom Behavior

Students are responsible for keeping themselves informed of the De Anza College Student Code of Conduct (<https://www.deanza.edu/titleix/documents/5510Conduct.pdf>). Disruptive classroom behavior is unacceptable. Examples of such behavior include, but not limited to, talking during lecture and student presentation, making distracting noises, or arriving to class late or leaving early. Persistent disruption may result in being asked to leave the class and/or being referred to the Dean of Students Office.

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.

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.