De Anza College – Winter 2020
MATH 1B-28 Calculus

Instructor: Paul Du, PhD
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Class: Tue & Thur 4:00–6:15 pm, Room E33
Office Hours: Tue & Thur 3:00–3:50 pm, Room S43

Prerequisite

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

Required Course Materials

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

Calculator Policy

A non-graphing, ordinary scientific calculator (TI-30XS MultiView, TI-30X IIS, or equivalent) may be used on exams and quizzes. No graphing calculators or advanced scientific calculators with integration/differentiation capabilities or cell phone calculators will be allowed on exams or quizzes.

Homework and Quizzes

Homework is designed to reinforce the concepts learned in class and is essential to success in this course. 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 throughout the quarter. Quiz problems will be similar to or taken directly from the homework. You will be allowed to use your completed homework, but not the book or notes, during the quizzes. 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. Students may bring one $3'' \times 5''$ index card (two-sides) of handwritten notes to each midterm exam. 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. Students may bring one $8.5'' \times 11''$ sheet (two sides) of handwritten notes to the final exam. A picture ID is required to take the final exam. 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:

Participation 5%	[99%, 100%]	=	A+	[80%, 82%)	=	B–
Homework 10%	[92%, 99%)	=	A	[77%, 80%)	=	C+
Quizzes 10%	[90%, 92%)	=	A–	[65%, 77%)	=	C
Midterm Exams 45%	[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. 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.

Classroom Behavior

Students are responsible for keeping themselves informed of the De Anza College Student Code of Conduct (`www.deanza.edu/student-development/conduct.html`). 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.

Additional Help

Math and Science Tutorial Center (S43) provides free tutoring services. A useful 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.

Disclaimer Statement

The instructor may make changes to the syllabus during the quarter. It is the student's responsibility to stay informed of these changes. Students may contact the instructor during office hours and before/after class, time permitting. Students may also wish to have a study partner whom they can contact if they miss a class.

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.