De Anza College – Fall 2017
MATH 43–62 Precalculus III

Instructor: Paul Du, PhD

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Class: TTh 6:30 pm – 8:45 pm, Room E32

Office Hours: TTh 3:00 pm – 3:50 pm, Room S43

Prerequisite

Mathematics 41 and 42 (both with a grade of C or better); or a satisfactory score on Calculus Readiness test within the last calendar year.

Textbook

Precalculus with Limits, Ron Larson, Third Edition, Brooks/Cole.

Calculator Policy

The use of a graphing calculator for exploring concepts is encouraged in this course and may be helpful on homework, but graphing calculators will not be allowed on exams or quizzes. A non-graphing, scientific calculator may be used on exams and quizzes. No cell phones will be allowed on exams or quizzes.

Student Learning Outcomes

Upon successful completion of this course, the student will be able to

1. Analyze, investigate, and evaluate linear systems, vectors, and matrices related to two or three-dimensional geometric objects.
2. Graph and analyze regions/curves represented by inequalities or trigonometric, polar, and parametric equations, including conic sections.
3. Analyze, develop, and evaluate formulas for sequences and series; justify those formulas by mathematical induction.

Homework

Homework will be assigned for each covered section of the textbook and will be due on each exam day. Students are responsible for solving the problems assigned on a daily basis, 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.

Homework Format Requirement: Homework must be completed on standard letter size ($8.5'' \times 11''$) printer or loose-leaf paper (No torn-out spiral notebook pages), stapled together, and in pencil or black/blue pen. The first page must be a cover page that contains the student name and a homework completion checklist. Each problem must be clearly numbered and each solution must begin with the original problem statement (except for a word problem). Assignments that do not follow the format requirement will not be collected or will cause significant points to be deducted.

Quizzes and Exams

There will be six (6) quizzes given throughout the quarter. Quiz problems will be similar to homework problems and class examples. The lowest quiz score will be dropped. There will be **no make-up quizzes under any circumstances**.

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. A picture ID is required to take each midterm exam. 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:

Homework 10%	A	=	90% − 100%
Classwork/Paricipation 10%	B	=	80% − 89%
Quizzes 10%	C	=	70% − 79%
Midterm Exams 40%	D	=	60% − 69%
Final Exam 30%	F	=	0% − 59%

*The instructor reserves the right to assign plus/minus grades for borderline cases.

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

Students are responsible for keeping themselves informed of the De Anza College Policy on Academic Integrity (`www.deanza.edu/studenthandbook/academic-integrity.html`). Cheating will not be tolerated and can result in receiving a zero on the exam or an F for the course up to 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/dsps/dish/appendix/conducts.html`). Disruptive behavior in the classroom, including (but not limited to) talking during lecture, making distracting noises, or arriving to class late or leaving early, is unacceptable. Persistent disruption can 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 individual and group tutoring. A useful online math learning resource is Khan Academy (`www.khanacademy.org/math`).