

De Anza College – Fall 2016

MATH 43–27 Precalculus III

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

Class: TTh 4:00 pm – 6:15 pm, Room G7
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

A TI-83/TI-84 graphing calculator is recommended. Calculators with computer algebra systems (CAS) (e.g. TI-89/TI-92/TI-Nspire) will not be allowed on exams or quizzes. Cell phone calculators will not 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 is essential for success in this course. Homework will be assigned for each covered section of the textbook. Students are responsible for solving all the problems assigned, checking the answers against those in the back of the textbook. Homework will not be collected, but it will be assessed through regular quizzes.

Quizzes and Exams

There will be six (6) quizzes given during the quarter. Quiz problems will be similar to or taken directly from the homework. The lowest quiz score will be dropped. There will be NO make-up quizzes.

There will be three (3) midterm exams given during the quarter. You 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.

A mandatory comprehensive final exam will be given at the end of the quarter. Students may bring one 8.5" × 11" sheet (two sides) of handwritten notes to the final exam. Any student who misses the final exam will receive a grade of F for the course. A picture ID is required to take the final exam.

Grading Policy

The course grade will be determined by the following criteria:

Quizzes	20%	A =	90% – 100%	D =	60% – 69%
Midterm Exams	45%	B =	80% – 89%	F =	0% – 59%
Final Exam	35%	C =	70% – 79%		

*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 three (3) classes 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 classroom behavior, including (but not limited to) talking with other classmates during lecture, making distracting noises, and using cell phones or other electronic devices without prior approval, is not acceptable. 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).