

De Anza College – Fall 2024

MATH 31-13Y Precalculus I

Instructor: Paul Du, PhD

Class: MTWTh 11:30 am – 12:30 pm, MLC270 in Person + 50 Minutes/Week Online Asynchronous

E-mail: dupaul@fhda.edu (Canvas Inbox preferred)

Office Hours: Tue & Th 5:20 pm – 6:10 pm, Fri 11:30 am – 12:20 pm, Zoom ([Join](#))

Prerequisite

Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent.

Course Materials

- Textbook: *Precalculus*, OpenStax (<https://openstax.org/details/books/prec calculus>)
- Course Notes

Calculator

A graphing calculator (e.g. TI-83/TI-84) is recommended.

Course Description

This course covers polynomial, rational, exponential, and logarithmic functions, graphs, solving equations, conic sections, systems of equations and inequalities.

Tips for Success

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

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 and completeness. 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. There will be **no make-up quizzes under any circumstances**. Instead, the lowest quiz score will be dropped.

Exams

There will be three (3) midterm exams given during the quarter. Students may bring one 8.5" × 11" (two-sides) sheet of handwritten notes to each midterm exam. There will be **no make-up midterm exams under any circumstances**. Instead, the lowest midterm exam score will be dropped.

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. The final exam must be taken at the officially scheduled time.

Grading Policy

The course grade will be determined by the following criteria:

Classwork/Participation	10%	[99%, 100%] = A+	[80%, 82%) = B-
Homework	10%	[92%, 99%) = A	[77%, 80%) = C+
Quizzes	10%	[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 week or more than five (5) 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](#). 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](#). 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):

- Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
- Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

Office Hours

Zoom	T,TH	5:20 PM	6:10 PM
Zoom	F	11:30 AM	12:20 PM