

De Anza College – Fall 2025

MATH 31-03 (CRN 27568) Precalculus I

Instructor: Lucian Segal, PhD

Class: Mondays and Wednesdays, 8:30-10:45 am PST in room E31

Email: segalucian@fhda.edu

Office Hours: Tuesdays, 11:00 am -12:00 pm PST (zoom) or by appointment

Prerequisites

Intermediate Algebra of equivalent or higher, or appropriate placement beyond intermediate algebra

Course Materials

- Textbook: Precalculus: Mathematics for Calculus, by James Stewart, Lothar Redlin, Saleem Watson, 8th Edition, ISBN-13: 9780357758892, Cengage Learning
- Instructor notes

Calculator

A graphing calculator (e.g TI-83/TI-84, TI-nspire CX CAS) is recommended.

Tips for Success

- Participate actively in class
- Do not fall behind on assignments, work problems/practice every day
- Review old material constantly (brush up Math 31 and Math 32 topics)
- Form study groups
- Make use of tutoring and online resources

Course Objectives

- Graph functions and relations in rectangular coordinates.
- Formulate results from the graphs and/or equations of functions and relations.
- Apply transformations to the graphs of functions and relations.
- Recognize the relationship between functions and their inverses graphically and algebraically.
- Solve and apply equations including linear, quadratic, absolute value, and radical equations.
- Solve and apply equations and inequalities involving rational, polynomial, exponential, and logarithmic functions.
- Solve systems of equations and inequalities.
- Apply functions to model real world applications.

Student Learning Outcomes

- 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 .

Homework and Quizzes

Homework problems will be assigned regularly and posted in canvas each week. The homework for an entire week is due by 11:59 pm PST on Monday of the following week. The homework problems will provide a good preparation for the midterms and final exam.

Quizzes will be given approximately once a week and will be similar to the homework and class examples. The quizzes are take-home, will be posted in canvas on Friday each week, and are due back by 11:59 pm PST on the following Monday. Please submit your solution files through Canvas for both homework and quizzes.

Midterm Exams

There will be two one-hour in-class midterm exams:

- Monday, October 13
- Monday, November 10

Make-up midterms will only be given in extraordinary circumstances.

Final Exam: Wednesday, December 10, 7:00-9:00 am

A mandatory comprehensive final exam will be given at the end of the quarter. The final exam must be taken on Wednesday, December 10, at the scheduled time. There is no make-up final exam.

Grading Policy

- Quizzes.....15%
- Homework.....15%
- Each midterm exam.....20%
- Final exam.....30%

A+: 98-100

B+: 87-88

C+: 74-77

F: 0-54

A: 92-97

B: 80-86

C: 65-73

A-: 89-91

B-: 78-79

D: 55-64

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. 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.

<https://www.deanza.edu/policies/academic-integrity.html>

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.

<https://fhdafiles.fhda.edu/downloads/aboutfhda/5510ap.pdf>

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:

TH	11:00 AM - 12:00 PM	Zoom
TH	12:00 PM - 1:00 PM	Zoom
T	12:00 PM - 1:00 PM	Zoom
T	11:00 AM - 12:00 PM	Zoom