

Course: MathD031.22 Pre-Calculus 1 CRN # 39139
 Time – TTh, 1:30 to 3:45 p.m. Room – MLC 113 units – 5.

Prerequisite: Preferred Math 114, Intermediate Algebra with C or better grade.

Texts and (1) Pre-calculus with limits, 5th Edition by Ron Larson.

Equipment: (2) Graphing Calculator. TI-83 Plus/TI 84 calculator needed.

WebAssign course name:

Precalculus 1, Math 31, TTh, Winter 2025, HKSHAH, De Anza College.

Instructor: H. K. SHAH. Email: shahhemendra@fhda.edu

Office hours: TTh, 3:50 p.m. to 4:15 p.m. in Room E-37

Exam policy: All exams are ‘show your work’ type, during our face-to-face class meetings, and closed book-note book exams. No exam is multiple choice. At the end of exam time, students are uploading their answer sheets in CANVAS. Cell phone is not allowed, and browsing websites or any other documents on computer is not allowed during exams.

Attendance: Students are expected to attend all class meetings without tardy. Active class participation makes a better learning environment for everyone, so there are 20 points available for **class participation**. A student with three recorded absences and no communication with me regarding the absences will be dropped from the course. If a student decides to drop the course, it is his/her responsibility to drop the course.

Course Outline: SLOs: Outcome 1: Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations. **Outcome 2:** Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

I shall cover chapters 1 to 3, **partly** chapters 7 and 10. Topics are Functions and Graphs, Polynomial and Rational Functions, Exponential and Logarithmic Functions, and conic sections. It is an intensive course, needing ten to fifteen hours of study time outside the class. We are going to use TI-83 plus graphing calculator intensively.

Homework: Students will do homework on internet using Enhanced WebAssign program through CANVAS. WebAssign course name is written above. *Late homework will not be accepted for grading purpose.*

Examinations: There will be three midterm tests each of one hour, and three quizzes each of nearly 30 minutes. There will be no make-ups for missed tests/final or quizzes. All exams are to be uploaded on CANVAS. If student missed only one test due to unavoidable circumstance, and I am notified in advance or quickly; the final exam score % will be used to replace score of missed test, given student passed in final exam (scored at least 85/130). Students who attended all 3 Tests and passed in final exam (scored at least 85/130), then lowest scored test will be replaced by the % of final exam, if did better in final exam.

A comprehensive final examination will be of two hours, during 1:45 to 3:45 p.m. on Tuesday, 25th March, 2025, during our class meeting. Students absent in the final exam will get F grade. *Cell phone is not allowed in all exams.*

Disruptive behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Students Conduct* (refer catalogue). Any student disrupting a class may be asked to leave the class. Administrative follow-up may result.

Academic Integrity: It is expected that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty like cheating, and plagiarism are taken very seriously. Students involved in cheating will be dropped and get F for the course. Further disciplinary action by administration will follow.

Grades:

Grade scale	Points range	Percentage range	Examination	points
A+ 4.0	476 to 500	95 + to 100 %	Three Tests	3x75 = 225
A 4.0	456 to 475	91 + to 95 %	Three Quizzes	3x25 = 75
A_ 3.7	436 to 455	87+ to 91 %	Homework	50
B+ 3.3	416 to 435	83+ to 87 %	Active Class participation	20
B 3.0	396 to 415	79+ to 83 %	Final examination	<u>130</u>
B_ 2.7	376 to 395	75+ 79 %	Total points	500
C+ 2.3	351 to 375	70+ 75 %		
C 2.0	326 to 350	65+ to 70 %		
D+ 1.3	306 to 325	61+ to 65 %		
D 1.0	296 to 305	59+ to 61 %		
D_ 0.7	276 to 295	55+ 59 %		
F 0.0	0 to 275	0 to 55 %		

Math 31

De Anza College, Cupertino.

Quarter- Winter 2025

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Call # 39139
Room – MLC 113

units – 5.

Text: Precalculus with limits, 5th Edition by Larson.

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Precalculus 1, Math 31, TTh, Winter 2025, HKSHAH, De Anza College.

Instructor: H. K. Shah

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 January	6	7 1.1, 1.2	8	9 1.3, 1.4	10	11	
2	13	14 1.5, 1.6	15	16 Quiz-1 1.7	17	18	19 Last day to add classes. Last day to drop without W.
3	20 Census Day.	21 1.8, 1.9	22	23 1.9, 1.10	24	25	
4	27	28 Review, Test- 1. HW-3	29	30 2.1, 2.2	31	Feb 01	
5 February	3	4 2.3, 2.4	5	6 Quiz-2, HW-4 2.5	7	8	
6	10	11 2.5, 2.6	12	13 2.6,2.7	14	15	
7	17	18 Test-2, HW-5 Review	19	20 3.1, 3.2	21	22	
8	24	25 3.3,3.4	26	27 3.4, 3.5	28 Last day to drop with 'W'	March 01	
9 March	3	4 Quiz-3, HW-6 7.1	5	6 7.2,7.3	7	8	
10	10	11 10.2,10.3 HW-7	12	13 10.4	14	15	
11 December	17	18 Test-3, HW-8 Review	19	20 Final review	21	22	
12	24	25 Final Examination 1:45 to 3:45 pm	26	27	28	29	

HW/Quiz/Test # =>	1	2	3	4	5	6	7	8
Homework assignment Sections/Chapters	Appendices A1 to A7.	1.1 to 1.6	1.7 to 1.10	2.1 to 2.4	2.5 to 2.7	3.1 to 3.5	7.1,7.2, 7.5	10.2 to 10.4
Sections covered for quiz.	1.1 to 1.6	2.1 to 2.4	3.1 to 3.5		-----	-----		
Chapters/sections Covered for Test	Chapter 1	Chapter 2	Chapters 3,7,10	-----	-----	-----		

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:

T,TH 03:50 PM 04:15 PM In-Person Room E 37