

Math 31

De Anza College, Cupertino.

Quarter- Fall 2023

Course: MathD031.31Z Pre-Calculus 1 CRN # 27580

Time –TTH, 4:00 to 6:15 p.m. Room – Online Synchronous units – 5.

Prerequisite: 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, section Math D031.31Z Fall 2023, HKSHAH, De Anza College,

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

Office hours: TTh, 6:15 p.m. to 6:45 p.m.

Exam policy: All exams are during our class synchronous meetings. No exam is multiple choice. All exams are 'show your work' type exams, including final exam. Students keep their video on, so I can see you while you take exams. Students not attending zoom meeting during exams will be considered as absent. Cell phone is not allowed, and browsing websites or any other documents on computer is not allowed during exams.Attendance: Students need to attend all online Zoom meetings without tardy. Students absent for three meetings will be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. Students disappearing from class will get F grade. There are twenty points for full attendance; for each absence, 5 points will be deducted. Ten extra points are assigned for regularly attending tutorial center or meeting me during office hrs.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 and class key are written above. You need *class key* when you create your account. *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 20-25 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. A comprehensive final examination will be of two hours, during 4:00 to 6:15 p.m. on, Thursday December 14, 2023, online synchronous 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 %	Class attendance	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 41

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Room – Online Synchronous

units – 5.

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Instructor: H. K. Shah

Week # /Month	Monday	Tuesday		Wednesday	Thursday	Friday	Saturday
1 Sept	25	26 1.1, 1.2		27	28 1.3, 1.4	29	30
2 October	Oct 2	3 1.5, 1.6		4	5 Quiz-1 1.7	6	7 HW- 1, 2 are due. Last day to add classes. Last day to drop without W.
3	9 Census Day.	10 1.8, 1.9		11	12 1.9, 1.10	13	14
4	16	17 Review, Test- 1. HW-3		18	19 2.1, 2.2	20 Last day to ask for pass/no pass	21
5	23	24 2.3, 2.4		25	26 Quiz-2, HW-4 2.5	27	28
6 November	30	31 2.5, 2.6		Nov 1	2 2.6,2.7	3	4
7	6	7 Test-2, HW-5 Review		8	9 3.1, 3.2	10 Veteran’s Day	11
8	13	14 3.3,3.4		15	16 3.4, 3.5	17 Last day to drop with ‘W’	18
9	20	21 Quiz-3, HW-6 7.1		22	23 Thanks Giving	24 Thanks Giving	25 Thanks Giving
10	27	28 7.2,7.5		29	30 10.2, 10.3	Dec 1	2 HW-7
11 December	4	5 10.4		6	7 Test-3, HW-8 Review	8	9
12	11	12 Whole review		13	14 Final Examination 4:00 to 6:15 pm	15	16

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	-----	-----	-----		

No exam is multiple choice. All exams are ‘show your work’ type exams, including final exam.

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:

M,W	06:15 PM	06:40 PM	Zoom,Canvas CANVAS ZOOM MEETING
T,TH	06:15 PM	06:40 PM	Zoom,Canvas CANVAS ZOOM MEETING