

Math 41

De Anza College, Cupertino.

Quarter- Winter 2019

Course: MathD041.23 Pre-Calculus 1: Theory and functions Call # 30322-01
 Time –MW, 1:30 to 3:45 p.m. Room – G 10 units – 5.

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

Texts and (1) Pre-calculus with limits, 3rd Edition by Ron Larson.

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

WebAssign course name: Precalculus 1, Math 41, Winter 2019, HKSHAH, De Anza College.

Class Key: deanza 5042 0891

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

Office hours: Mondays, Wednesdays, 1:00 p.m. to 1:25 p.m., Room E 37.

Attendance: Students are needed to attend all class meetings without tardy. Student with three absences will be dropped from the course. If student decides to drop the course, it is his/her responsibility to drop the course. Student disappearing from class will get F grade. There are ten 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.

Homework: Students will do homework on internet using Enhanced WebAssign program at web address www.webassign.net/cengage. You need to get the access code when you buy the book. 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. If only one test is missed due to unavoidable circumstance, and the instructor is notified in advance or quickly; the final exam score % will be used to replace score of missed test. Students attended all 3 Tests, doing better and passed in final exam (scored at least 85/130), then lowest scored test will be replaced by the % of final exam. A comprehensive final examination of two hours will be given during 1:45 to 3:45 p.m. on Monday, March 25, 2019 in our classroom. Student absents in the final exam will get F grade. All students need to save corrected returned papers of quizzes and midterm tests. I may need it in unusual situation. 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	60
B+ 3.3	416 to 435	83+ to 87 %	Class attendance	10
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 %	Extra points to attend tutoring center	10
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 %		

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Class Key: deanza 5042 0891

Text: Precalculus with limits, 3rd Edition by Larson.

Instructor: H. K. Shah

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 January	7 1.1, 1.2	8	9 1.3, 1.4	10	11	12 HW- 1 due.
2	14 1.5, 1.6	15	16 Quiz-1, HW-2 1.7	17	18	19 Last day to add classes. 20 th Jan. Last day to drop.
3	21 Martin Luther King Holiday	22 Census Day.	23 1.8, 1.9	24	25	26
4	28 1.9, 1.10	29	30 Review, Test- 1. HW-3	31	Feb 01 Last day to ask for pass/no pass	2
5 February	4 2.1, 2.2	5	6 2.3, 2.4	7	8	9
6	11 Quiz-2, HW-4 2.5	12	13 2.5, 2.6	14	15 President's Day weekend, holidays	16
7	18 President's Day Holiday	19	20 2.6,2.7	21	22	23
8	25 Test-2, HW-5 Review	26	27 3.1, 3.2	28	March 01 Last day to drop with 'W'	02
9 March	4 3.3,3.4	5	6 3.4, 3.5	7	8	9
10	11 Quiz-3, HW-6 10.2	12	13 10.3,10.4	14	15	16
11 December	18 Test-3, HW-7 Review.	19	20 Whole review	21	22	23
12	25 Final Examination 1:45 to 3:45 pm	26	27 Blank day	28	29	30

HW/Quiz/Test # ⇒	1	2	3	4	5	6	7
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	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 3,10	-----	-----	-----	

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

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.