

Math 32

De Anza College, Cupertino.

Quarter- Fall 2024

Course: Math D032.22 Pre-Calculus II: Trigonometric functions  
Time –TTh, 1:30 to 3:45 p.m.

Call # 27586  
Room – MLC 111

Prerequisite: Math 31, Precalculus with C, or better grade.

Texts and Equipment: (1) Precalculus with limits, 5<sup>th</sup> Edition by Ron Larson.  
(2) Graphing Calculator. TI-83 Plus/TI 84 calculator needed.

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

Office hours: 12:45 pm to 1:15 pm, Room E-37

WebAssign course name:

**F24 MATH D032 Precalculus II 22 Shah 27586**

**Course Outline: Student Learning Outcomes (SLOs).** Outcome 1: Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

I shall cover chapters 4, 5, 6 and partially chapter 10 of the book. We are going to learn basic concepts of trigonometry, graphs of trigonometric functions and their inverse functions. Then topics of analytic trigonometry. Chapter 6 is related Law of Sines, Law of Cosines, and trigonometric form of complex numbers. We are going to use TI-83 plus graphing calculator intensively.

**Homework:** Students will do homework on internet using Enhanced Web Assign program through CANVAS. Follow instructions in MODULE 00 for WebAssign enrollment. You will purchase online book from WebAssign through CANVAS. Late homework will not be accepted for grading purposes.

**Attendance:** Students are expected to attend all class meetings without tardy. Student with three recorded 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 20 points for full attendance.

**Examinations:** There will be three midterm tests each of one hour, and three quizzes each of nearly 20 minutes. There will be no make-ups for missed tests/final or quizzes. If only one test is missed due to unavoidable circumstances, and the instructor is notified in advance or quickly; the final exam score % will be used to replace score of missed test. For students appearing in all exams, lowest test score will be replaced by percentage of final exam score, if student scored better (% wise) in the final exam, provided student scored at least 85/130 points (passed)in final exam. A comprehensive final examination of two hours will be given during 4:00 to 6:15 p.m. on Wednesday, December 9, 2020 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 during all the examinations.*

**Disruptive behavior:** De Anza College will enforce all policies and procedures 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 assumed 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 %	Five 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 32

De Anza College, Cupertino.

Quarter- Fall 2024

Course: Math - 42.21, Precalculus 2: Trigonometric functions

Call # 27586 Units: 5

Time- Time –TTh, 1:30 to 3:45 p.m.

Room – MLC 111

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

Text: Precalculus with limits, 5<sup>th</sup> Edition by Larson.

WebAssign course name:

**F24 MATH D032 Precalculus li 22 Shah 27586**

Week # /Month	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Sept.	23	24 4.1,4.2	25	26 4.3,4.4	27	28
2	30	Oct 1 HW-1, Quiz-1 4.5	2	3 4.5,4.6	4	5,6 3- last day to add 4- last day to drop w/out W
3 Oct.	7	8 HW-2 4.7	9	10 4.7,4.8	11	12
4	14	15 Test 1, HW- 3 Review	16	17 5.1, 5.2	18 Last day to request pass/no pass	19
5	21	22 Quizz-2 HW-4 5.3	23	24 5.4, 5.5	25	26
6	28	29 Test 2, HW-5 Review	30	31 6.1	Nov 1	2
7 Nov.	Nov 4	5 6.2	6	7 Quiz-3, HW-6 6.3	8	9
8	11 Veteran's Day, Holiday	12 6.3,6.4	13	14 6.5, 6.6	15 Last day to drop with 'W' Enforced.	16
9	18	19 HW-7 10.7	20	21 10.7, 10.8	22	23
10	25	26 10.8	27	28 Thanksgivings	29 Thanksgivings	30 Thanksgivings
11 Dec.	Dec 2	3 HW-8, Test 3 Review	4	5 Whole review	6	7
12	9	10 No class.	11	12 Final Examination 1:30 to 3:45 pm	13	14

HW/Quiz/Test # ⇒	1	2	3	4	5	6	7	8
<u>Homework assignment Sections/Chapters</u>	4.1 to 4.4	4.5,4.6	4.7,4.8	5.1,5.2	5.3,5.4,5.5	6.1,6.2	6.3 to 6.6	10.7,10.8
<u>Sections to be covered For Quiz</u>	4.1 to 4.4	5.1, 5.2	6.1, 6.2			-----	-----	-----
<u>Chapters/sections to be Covered for Test</u>	Chapter 4	Chapter 5	Chapter 6, 10.7,10.8	-----	-----	-----	-----	-----

Final exam is comprehensive exam covering whole syllabus. All exams are show your work type exams, no exam is multiple-choice.



**Student Learning Outcome(s):**

- Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

**Office Hours:**

T,TH 03:50 PM 04:15 PM In-Person IN PERSON. ROOM E 37