Math 42   **De Anza College, Cupertino.**   **Quarter- Fall 2017**

Course: **Math D042.21 Pre-Calculus 2: Trigonometric functions**   **Call # 20342**
                     Time –MW, 1:30 to 3:45 p.m.   Room – G 5
Prerequisite: **Math 41, Precalculus with C or better grade.**
Texts and Equipment: **(1) Precalculus with limits, 3nd Edition by Ron Larson.**
                            (2) Graphing Calculator. TI-83 Plus/TI 84 calculator needed.
<u>**Web Assign course name:**</u> **Precalculus 2, Math 42, Fall 2017. HKSHAH. De Anza.** <u>**Class Key:**</u> **deanza 9051 8894**
Instructor: **H. K. SHAH. Email: shahhemendra@fhda.edu**
Office hours: **MW, 1:00 to 1:25 p.m. Room E 37.**

<u>**Attendance:**</u> **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 10 points for attendance, for each absence 5 points will be deducted.**
<u>**Course Outline:**</u> <u>**Student Learning Outcomes (SLOs).**</u> **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.
<u>**Homework:**</u> **Students will do homework on internet using Enhanced Web Assign program at web address www.webassign.net/cengage . You need to get the access code when you buy the book. Web Assign 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.**
<u>**Examinations:**</u> **There will be three midterm tests each of one hour, and five quizzes each of 15-20 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. A comprehensive final examination of two hours will be given during 1:45 to 3:45 p.m. on Monday, December 11, 2017 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.* <u>*Cell phone is not allowed during all the examinations.*</u>
<u>**Disruptive behavior:**</u> **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.**
<u>**Academic Integrity:**</u> **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.**
<u>**Grades:**</u>

Grade scale	Points range	Percentage range		Examination	points
A+ 4.0	476 to 500	95 + to 100 %		Three Tests	3x70 = 210
A 4.0	456 to 475	91 + to 95 %		Five Quizzes	5x20 = 100
A_ 3.7	436 to 455	87+ to 91 %		Homework	50
B+ 3.3	416 to 435	83+ to 87 %		Class attendance	10
B 3.0	396 to 415	79+ to 83 %		Final examination	130
B_ 2.7	376 to 395	75+ 79 %		Total points	500
C+ 2.3	351 to 375	70+ 75 %		Extra points for	
C 2.0	326 to 350	65+ to 70 %		Tutorial attendance	10
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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Course: Math - 42.21, Precalculus 2: Trigonometric functions   Call # 20342   Units: 5
Time- MW, 1:30 to 3:45 p.m.   **Room- G 5**
Instructor: H. K. SHAH. Email: shahhemendra@fhda.edu
Web Assign course name: Precalculus 2, Math 42, Fall 2017. HKSHAH. De Anza. Class Key: deanza 9051 8894
Text: Precalculus with limits, 3rd Edition by Larson.

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

HW/Quiz/Test # ⇒	1	2	3	4	5	6	7	8
Homework assignment Sections/Chapters	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 6.5	10.7,10.8
Sections to be covered For Quiz	4.1 to 4.4	4.5,4.6	5.1,5.2	6.1,6.2	6.3 to 6.5	------	------	------
Chapters/sections to be Covered for Test	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.