

Math 42

De Anza College, Cupertino.

Quarter- Fall 2015

Course: Math 042.23 Pre-Calculus 2: Trigonometric functions Call # 22397  
Time –TTh, 1:30 to 3:45 p.m. Room – G 6

Prerequisite: Math 41, Precalculus with C or better grade.

Texts and (1) Precalculus with limits, 2<sup>nd</sup> Edition by Larson.

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

WebAssign course name: Precalculus 2, Math 42, Fall 2015, De Anza College. Class Key: deanza 1779 8626

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

Office hours: TTh, 12:50 to 1:20 p.m. Room E 37.

**Attendance:** Students are expected to attend all class meetings without tardy. Student with three recorded absences may 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.

**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, partially chapter 6 and 10.7 section 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 WebAssign program at web address [www.webassign.net/cengage](http://www.webassign.net/cengage) . You need to get the access code when you purchase 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 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 Thursday, December 10, 2015 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.

**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 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	Examinations	Points
A+ 4.0	476 to 500	95+ to 100 %	Three Tests	3x70 = 210
A 4.0	456 to 475	91+ to 95 %	Four Quizzes	5x20 = 100
A- 3.7	436 to 455	87+ to 91%	Homework	50
B+ 3.3	416 to 435	83+ to 87 %	Final exam	130
B 3.0	396 to 415	79+ to 83 %	Attendance	10
B- 2.7	376 to 395	75+ to 79 %	Total points	500
C+ 2.3	351 to 375	70+ to 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+ to 59 %		
F 0.0	0 to 275	0 to 55 %		

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**De Anza College, Cupertino.**

**Quarter- Fall 2015**

**Course:** Math - 42.23, Precalculus 2: Trigonometric functions

**Call # 22397**

**Units: 5**

**Time-** TTh, 1:30 to 3:45 p.m. **Room-** G 6

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

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**Text:** Precalculus with limits, 2<sup>nd</sup> Edition by Larson.

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

<b>HW/Quiz/Test # =&gt;</b>	1	2	3	4	5	6	7	8
<b>Homework assignment</b>	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
<b>Sections/Chapters</b>	4.1 to 4.4	4.5,4.6	5.1,5.2	6.1,6.2	6.3 to 6.5	-----	-----	-----
<b>Sections to be covered For Quiz</b>	4.1 to 4.4	4.5,4.6	5.1,5.2	6.1,6.2	6.3 to 6.5	-----	-----	-----
<b>Chapters/sections to be Covered for Test</b>	Chapter 4	Chapter 5	Chapter 6, 10.7,10.7	-----	-----	-----	-----	-----

**Final exam is comprehensive exam covering whole syllabus.**