

## Syllabus – 2015 Winter Quarter

Course Title: Precalculus II – Trigonometric Functions

Course Number with Section: Math 042 - 25

Course crn: 32942

Class Meets: 4:00 p.m. – 6:15 p.m. Mon, Wed

Class Location: L 61

Instructor: Hema Nadkarni

Email Address: hema\_nadkarni@yahoo.com

Description : The theory of trigonometric functions and their applications

Materials:

• **Textbook: Precalculus with Limits: Larson , 2<sup>nd</sup> Edition**  
**ISBN: 9781439049099**

- A workbook or binder of paper for note taking – preferably a graph paper
- A graphing calculator (TI 83 plus, TI 84 or TI 86).

Student Learning Outcomes (what you should be able to demonstrate by the end of the course):

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

Course Objectives

- A. Define and evaluate trigonometric functions using both degree and radian measure
- B. Solve oblique and right triangles
- C. Solve arc length and sector area problems

- D. Graph and analyze the six trigonometric functions
- E. Apply trigonometric identities to simplify and evaluate trigonometric expressions and verify other identities
- F. Analyze the inverse trigonometric functions
- G. Solve trigonometric equations
- H. Define the polar coordinate system
- I. Examine complex numbers in the complex plane
- J. Examine the logic of conditional and bi-conditional statements as they appear in mathematical statements

Attendance:

- Regular, punctual attendance at all class meetings is expected of each student. You cannot expect to do well in the class if you fail to attend lectures.
- There are NO excused absences. If a student is not present in class, he or she is considered ABSENT regardless of the reason and will be marked absent.
- Students absent anytime during the first week of class may be dropped from the class and space will be made for students who wish to add the class.
- A student may be dropped if absent the equivalent of three days of classes during the quarter.  
**However, if a student stops coming to class after starting and wishes to drop, the student should not assume that the instructor will automatically drop him/her. Any student wishing to drop must drop himself/herself**
- A student is considered late if arriving past the start of class time. However, a student is considered completely absent if arriving more than 15 minutes after the start of class or leaving 15 minutes before the end of class.
- Again, YOU MUST DROP YOURSELF FROM THE CLASS IF YOU DECIDE YOU CAN NOT TAKE THE CLASS. Otherwise, your grade will be F.

Homework:

Homework will be assigned regularly. It is your responsibility to turn it in on due dates. No late homework will be accepted.

Quizzes: Unannounced (surprise) quizzes will be given from time to time. Quizzes

will be very short, just one or two simple problems to test the understanding of basic concepts. No make-up quiz will be given under any circumstances.

Tests: The tentative test schedule is included here. All work must be shown on the test paper and done in the manner asked for. No cell phone calculators are permitted. No books or notes are to be used during tests. All missed tests count as a zero score/ F. It is very difficult to schedule make-up tests. Of Tests 1 thru 5 shown on the schedule (all of equal weight), one lowest score will be dropped. I drop one test score so that students are not at any disadvantage in case they have to miss a test for any reason.

There will be a comprehensive final exam. **You must take the final exam** – even if you have scored full score on all tests/quizzes and homework.

Cheating: During quizzes and tests, if you talk to or solicit help from others, look at the papers of others, use devices to transmit/receive help, and/or refer to notes/books, you are cheating! Cheating is not tolerated in my class. If I find you to be cheating, I will award you a zero score for the quiz/test, and/or refer you to the Dean for discussion and possible disciplinary action.

#### Important Dates to Rememeber

01/20/15	Last day to drop the class with no record of grade
02/28/15	Last day to drop the class with 'W'

Suggestions: Your suggestions are valuable to me. I would be more than happy to help you in any way to learn the course material better. In case you need me to do anything differently, please let me know.

<b><u>Grading:</u></b>	Quiz/Hmwork.	10% of final grade
	4 counted Tests	60% of final grade
	Final Exam	30% of final grade

#### **Grading Scale:**

Above 96.9	A+
94 – 96.9	A
90 – 93.9	A –
87 – 89.9	B+

84 – 86.9	B
80 – 83.9	B-
77 – 79.9	C+
70 – 76.9	C
60 – 69.9	D
Below 60	F

A Word about cell phones: It is our expectation that your phone will be turned off and stowed in your purse or backpack during class. They should never be seen while class is in session. If your phone sounds during a quiz or exam, this will be an indication that you are done with the quiz or exam and you risk having your paper taken from you or points deducted.

Tutorial Help: There are two tutorial centers on the De Anza campus. S-43 provides tutoring for Math and Science and L-47 for everything else. Drop-in tutoring is always available. Individual tutoring is also available. You must complete a form, provided by the Tutorial Center, during the first couple weeks of the quarter to obtain one-on-one tutoring.

Testing or other accommodations: If you have a learning or other disability that requires accommodation, please contact either the Educational Diagnostic Center (LCW-110, 408-864-8839) or Disability Student Services (SCS-141, 408-864-8753) to arrange for in-class and/or testing accommodations.

**Tentative Test Schedule :**

Test 1: 01/14/15  
Test 2: 02/04/15  
Test 3: 02/18/15  
Test 4: 03/04/15  
Test 5: 03/16/15

**Final Exam: 03/25/15            4 pm – 6 pm**