

Fall 2015

MATH 42- Pre-calculus Trigonometry

**Instructor:** Timothy K. Smith

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**Textbook:** Pre-calculus with limits, by Larson, second edition

**Syllabus:** We will cover chapters 4, 5, and 6 , and 10.7

**Tests:** There will be **three** exams, and a final exam ( which will cover all the material of the course). **Exam 1** will cover chapter **4** ; **Exam 2** will cover **chapter 5**, and **Exam 3** will cover **chapter 6** ( **the sections covered on the exams may change slightly depending on how fast we go through the material**) **Homework will be assigned but not graded.** There will be a quiz **each class period** , during the last 15 minutes of class.

**Grading:**

**Exams 1,2,3**    **60** % ( 20% each)

**Quizzes:**        **10** %

**Final Exam:**    **30** %

Your grade will be determined by your course percentage as follows:

**90 – 100**    **A** ( the highest score in this range will receive an A+ and 90 is an A- )

**80- 89**      **B** ( The highest score in this range will receive a B+ and 80 is a B- )

**67 - 79**      **C** ( The highest score will receive a C+ ; no C minus grades are allowed at De Anza)

**52 – 66**      **D** ( A score of 52 is a D- and the highest a D+)

**0 – 51**        **F**

**Attendance Policy** .If you decide that you do not want to continue with the course you must take care of the drop procedure. **Do not assume that I will drop you from the course.**

**Make sure you read the drop deadlines in the DeAnza schedule**

**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 and introduce polar graphs

**I.** Examine complex numbers in the complex plane

**J.** Perform operations with 2D vectors

## **CLASSROOM POLICIES:**

1. **Observe silence and respect during lectures** *with no whispering or other distracting non-verbal communication.* The exception of course is during recitation or discussion. This kind of behavior is rude and distracting to me and to students. We all need a quiet environment in order to concentrate effectively and learn the subject matter of the course. If there is talking during class, I will pause the lecture and look at the person or the area where talking is coming from to **indicate to them to stop so the lecture can continue.** If talking continues, you will be asked to talk outside the classroom.

2. If you must leave the class early for an urgent and important reason, please let me know before class starts, sit near the door and please leave quietly. Also, after you finish your quiz or exam, please leave quietly. **Talking to other students during an exam or quiz is not allowed. Failure to follow this rule will mean 0, zero in your exam or quiz.**

3. The Math department estimates that you should spend between one and two hours studying outside class for each hour in class. So that means you should expect to put in between 5 and 10 hours per week doing homework for this course. **You can go to the TUTORIAL CENTER if you need more help with any of the material, or you can form a study group with other students.**

4. I advise every student to have a **textbook** as this will help you in studying and on your own time. Please bring your textbook to class regularly since I will refer to problems in the books quite often. Renting a textbook is cheaper than a pair of jeans and shirt but it will have lasting benefit so think about it.

5. Please **turn off** all mobile phones or any other device especially if it emits a noise during class and especially during exams and quizzes. Again, we need a quiet environment to learn or concentrate on exams or quizzes.

6. You must use a pen (only blue or black ink) on all quizzes and exams. I will not grade work done in pencil.

7. **Cheating is not allowed or tolerated during exams or quizzes.** Cheating includes: looking at another student's paper or talking to another student, altering an exam or quiz after it has been returned to you, and using a book or unauthorized notes during an exam or quiz and sharing notes to other students. I will give a warning during exams or quizzes, if I notice any attempt at cheating. If the student continues to cheat, I will give a zero on that exam or quiz. I may ask a student to move to another seat if I see any suspicious behavior. I will also separate students who are sitting too close together. During an exam, **you must also put all notes books, backpack, and devices by the classroom wall,** except for the allowed notecard. If you change any work on your exam or quiz after I return it to you ( to try to get a better grade) then I will give you a zero for that exam or quiz. You should know that I check exam papers twice before I return them to you.

8. You must turn in exams and quizzes on time at the end of the class period. Ask any questions before the exam; if extremely necessary, you may ask a quick question to a minimum. This means that if you ask me a question I can only give a brief answer. If you have more extensive questions please ask me after all the students are done. To be fair to other students, I cannot give you hints on how to do a problem.

9. Students on the waiting list will be added in the numerical order given by the administration. However, if you are absent when I call your name to add then I will add the next person on the list. So come to every class if you are serious about adding.

10. Calculators are allowed on most problems on exams and quizzes, but there will be some problems but take note that there will be some problems where a 11. Makeup policy : If you miss an exam, then your final exam score will replace the missed exam. I do not give a makeup exam if you miss one exam. If you miss another exam then I will give you a makeup exam if you have a serious excuse that needs documentation. If you take all three exams, then the final exam will replace your lowest exam. I do not give makeup quizzes, but I will drop your lowest two quiz scores.

11. MAKE UP POLICY : If you miss an exam, then your final exam score will replace the missed exam. I do not give a makeup exam if you miss one exam. If you miss another exam then I will give you a makeup exam if you have a serious excuse that needs documentation. If you take all three exams, then the final exam will replace your lowest exam. I do not give makeup quizzes, but I will drop your lowest two quiz scores.

**HAVE A GOOD SCHOOLYEAR TO ALL ! REMEMBER THAT YOU ARE NOW SHAPING YOUR FUTURE !!!**

**COURSE SCHEDULE : Math 42 FALL 2015**

9/21 ( 4.1,4.2)	9/23 (4.3,4.4)
9/28 (4.4, 4.5 )	9/30 (4.5, 4.6 )
10/5 (4.7 )	10/7 (4.8)
10/12 (5.1 , review)	10/14 Exam 1
10/19 ( 5.2, 5.3)	10/21 (5.3,5.4 )
10/26 ( 5.4, 5.5)	10/28 (5.5)
11/2 ( review)	11/4 ( Exam 2)
11/9 ( Veteran's day) No class	11/11 ( 6.1, 6.2)
11/16 (6.3, 6.4 )	11/18 ( 6.5, review)
11/23 ( Exam 3)	11/25 (6.5, other topics)
11/30 ( review)	12/2 (review)

**12/9, Wed. - FINAL EXAM from 6:15 to 8:15 PM**