Math 42 Pre-Calculus 2: Trigonometric Functions Spring 2017

MTWThF 8:30 am – 9:20 am CRN 44487 MCC-12 Instructor: Gayathri Chakravarthy

Contact Information: Email is the best way to reach me.
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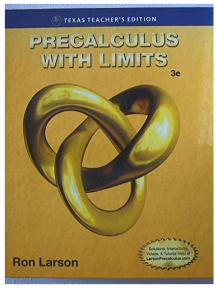
Office Hours: MTWThF 9:30 am – 10:00 am or by appointment
Location: Math and Science Resource Center (S43)

Course Description: The theory of Trigonometric Functions and their applications

Prerequisite: Completion of Precalculus Math 41 with a grade of C or better

Student Learning Outcomes (SLO):
Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications

Required materials:
Textbook:



1. Ron Larson Precalculus with limits 3rd edition
2. Students must have a graphing calculator. Recommended calculators: TI-83, TI-83+, TI-84, TI-84+
3. Wiring material: pen, pencil, paper

Grading
1. Homework:
Proficiency in mathematics comes only with frequent practice. Attending classes and completing homework assignments on time is very important in accomplishing this goal. You should plan to set aside 2 hours of doing homework for every hour in class. Homework will be assigned after almost every class and it will primarily come from the textbook (there is no online homework for this class). I will not collect your homework every day. However, **on the three mid-term test days you need to bring all of your homework with you to class.** I will not accept late homework. Make sure your homework is stapled. You must begin a new section on a fresh page. If you turn in the wrong homework assignment, then you will receive a zero for

that assignment. It is your responsibility to make sure that you are organized and turn in the correct homework assignment. I will spend a few minutes at the beginning of class answering questions, if any, about homework problems.

2. Friday Quiz: There will be a short quiz at the end of class each Friday (see tentative course schedule below) based on the homework assignments and class discussions for the week. Weeks for which a midterm exam has been scheduled will not have a quiz. If you have done all of the homework, attended class and paid attention, you will be very well prepared. No make-ups for quizzes. You will have 7 quizzes. The best 6 scores out of 7 will be considered.

3. Exams: There will be three midterm exams. I do not give make-up exams. If you miss an exam, you will be permitted to replace the zero you received on one midterm exam by your final exam grade on a percentage equivalent basis.

4. Final Exam: This is scheduled for Wednesday June 28 7:00 am - 9:00 am. The exam will cover material discussed in class and the textbook. The final exam must be taken to receive a grade for the course. The final will be a comprehensive exam. It will be closed-book, closed-note. Scientific calculators only.

5. Attendance and Academic Etiquette: Attendance is mandatory for this class. You will be given 20 points for attendance and academic etiquette for this course. These 20 points make up 5% of your overall grade. Students will lose one point for each unexcused absence and half of a point for a tardy (late by 5 or more minutes after class begins) or for leaving 5 or more minutes before class is excused. If you are have a valid excuse for why you are unable to attend class on a particular day, then you need to email me stating the reason for why you are absent, and based upon your email, I will decide if your absence is considered to be excused or not. Cell phones, computers, and any other devices are not allowed during class. If you are using one of these devices during class, then you will lose one point for each time that I see you using one of these devices. Disruptive behavior will not be tolerated. If you are being disruptive and talking to another student during class, then you will lose a point for each incident.

Point Distribution

i. Midterms: 150 Points (3 x 50 points each)
ii. Quizzes 120 Points (6 x 20 points each)
iii. Homework 60 Points
iv. Final 150 Points
v. Attendance and academic etiquette 20 points

Warm-Ups: A warm-up problem will be given almost everyday. I will post one problem on the board and have you work on it when you enter class. I will walk around the class to observe how everyone is tackling the problem and to provide help.

Academic Integrity: Cheating will not be tolerated and will result in a grade of 0 for the assignment, quiz or exam and referral to the dean for academic discipline. Cheating includes, but is not limited to: copying from other students, permitting other students to copy from you, plagiarism, submitting work that isn't your own, using notes that don't meet permitted