Math 48C-06 – CRN #20950   Pre-Calculus III   Fall 2016

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Prerequisite: Grade of C or higher in Math 48B (Pre-Calculus II) or by placement test

Required Materials:
1) Textbook: Math 48A/B/C: Precalculus I, II and II: Custom Edition for Foothill, by Wilson, Adamson, Cox, et al.

2) Graphing Calculator: You are required to have a TI-83/84 graphing calculator for this class. If you already have a different type of graphing calculator you are expected to know how to use it. Please be aware that the Foothill College Math Department does not allow students to use any calculators capable of symbolic calculus during examinations such as the TI-89 or TI-92. All demonstrations in the class will use either the TI-83 or TI-84.

Student Learning Outcomes:

A successful student will be able to model real-life phenomenon using trigonometric functions, use the model to make predictions, and interpret solutions within the context of the real-life phenomenon.

A successful student will be able to apply trigonometric functions, identities, and Laws of Sine and Cosine to solve application problems.

A successful student will be able to define, graph, and demonstrate appropriate applications of vectors and parametric equations.

Grading Policy:

1. Homework Sets: 5%
2. Quizzes (4): 20%
3. MidTerm: 30%
4. Final Exam: 40%

Homework Sets: You will be given a set of HW problems due each week. You are encouraged to work with other students on these problems.   The work you hand in must be your own. Since the purpose of homework is practice, you will be graded on effort rather than correctness.   You should come to class with questions about any problems that you found difficult.

Quizzes: You will be given 4 quizzes during the quarter. I will drop the lowest quiz score if it helps your grade.

Exams: There will be an in-class mid-term and final exam during the quarter. The exam will emphasize, but not be limited to the material including proper mathematical notation covered in class and the reading from the textbook. The material covered in this class does assume that you have a solid foundation in the prerequisite courses including algebra, geometry and knowledge of functions. No make up exams or quizzes will be given, even if the absence is excused.

Final Exam: The final exam will be comprehensive and will take place on:
       Monday, December 12th   **6:00 – 8:15 PM**

If you cannot take the final exam at the scheduled time, please do not enroll in this class. I can not make accommodations for different final exam times. Note: You must pass the final exam with a score of 55% or better to pass the class. I do not return final exams. If you request it, I will try to arrange a way for you to see the exam.

Approximate Guidelines for final letter grade (no curving or extra credit):

92 – 100%	A	78 - 79%	C+
90 - 91%	A-	70 - 77%	C
88 - 89%	B+	60 - 69%	D
82 - 87%	B	0 - 59%	F
80 - 81%	B-		

Grade Changes: Grade changes are made only for clerical errors. I will not change grades for any other reason.

Important Dates:
September 26th	First day of class
October 9th	Last day to add
	Last day to drop for a full refund and without a grade
November 18th	Last day to withdraw from a class: a "W" will be noted on the transcript
November 24th-27th	Thanksgiving holiday recess (college closed)
December 12th	Final Exam

Adding/Dropping: As per school policy, if a student is absent the first week of class, I am required to drop this student from the course. After the second week of class, students will <u>not</u> be automatically dropped for nonattendance. However, I reserve the right to drop students for nonattendance if a student is absent for more than three consecutive class periods. It is the student's responsibility to officially withdraw from this course. I suggest you pay strict attention to the drop dates listed in your student handbook, schedule of classes, and the Portal.

Academic Honesty: Studies have shown that working in groups can improve performance in math class, so I encourage you to form your own study groups. You must do your own work and take your own tests. Cheating on tests, copying someone else's work, having someone do your work for you, or letting someone copy your work are not allowed. If you are dishonest you will

be reported to the dean of student affair and other consequences may concur due to the severity of the problem. Please review other consequences and definitions of cheating, plagiarism, and other academic dishonesty at http://www.foothill.edu/services/honor.php

Natural Disasters or Emergencies: Foothill has an emergency notification system (ENS) that will notify students about emergencies, including power outages, campus closures or other urgent situations via text message. Emergency messages will be sent via e-mail and to all phone numbers that you have signed up for the free ENS service. You can access your MyPortal.fhda.edu account to be certain that your contact information is complete and accurate.

Accommodations: To obtain disability-related accommodations, students must contact the Disability Resource Center (DRC) as early as possible in the quarter. To contact DRC, you may:
- Visit DRC in Room 5400
- Email DRC at adaptivelearningdrc@foothill.edu
- Call DRC at 650-949-7017 to make an appointment.

If you already have an accommodation notification from DRC, please contact me privately to discuss your needs.

Religious Holidays: If you observe a religious holiday during the quarter, please inform me by the second week of classes so that I can make any necessary adjustments to the calendar.

How to Succeed In A Math Class:

It takes time!!!! I can't stress enough the importance of setting aside time for this class. Mathematics is a difficult subject for many students.   You can overcome this difficulty but it requires time and commitment.   Much of mathematics is incremental.   That means if you fall behind it will be very difficult to catch up. Last minute cramming will not help much. Instead, please put a little extra attention no this course early on.   If you have some weaknesses in your preparation for this class, attend to them immediately.   Pay attention in class, takes notes and ask questions. Allocate an adequate amount of time to read the textbook and to do the homework.   This is a night time class and you want to be alert. I make no recommendation here, but to quote one of last centuries most prolific mathematicians Paul Erdös;

A mathematician is a machine for turning coffee into theorems.

If you work in groups, do not let the others do the work for you.   Make sure that you understand anything you turn in.   This is for your own benefit.

Come to every class period: Mathematics is a very demanding subject; thus, regular attendance is extremely important. Why? Because hopefully your teacher makes every idea crystal clear for you, makes every technique simple, pass on his passion and enthusiasm for mathematics and occasionally makes you laugh. You get to hear the vocabulary of mathematics and see how ideas and concepts are connected. You also learn from solving problems in class. And, you get to meet some pretty cool classmates who can help you learn the material.

Needless to say, tardiness and leaving class early are not only disruptive to your learning but also to others. So, out of respect for yourself, your classmates and me, please arrive to class on time. If you have to miss a class, it is YOUR RESPONSIBILITY to obtain notes and/or handouts you may have missed. Lastly, I reserve the right to drop you if you are absent for 3 days in a row and do not contact me.

Sources of help:
• My office hours – these are times out of class that I set aside to meet with you and answer questions you may have concerning the material. Please take advantage of my office hours. In addition to my posted office hours, you may contact me by email and if necessary I will try to accommodate your schedule.

• E-mail – I am a big e-mail user. I check my e-mail many times daily. If you have specific questions (they should be detailed), I will try to get back to you quickly.

• Tutoring – available through PSME Center, located in rm. 4213.

• Your classmates – get to know them, exchange phone numbers and e-mail addresses, form study groups. This can make studying fun. You can get help on the material and support each other throughout the quarter.

Be a savvy student: This means come to class prepared. You should have paper, pencil, notebook and class handouts with you. Please turn off your cell phone during class! Don't text, twitter, instagram, facebook, read your e-mail, etc. during class. It's really hard to multitask especially when one of the tasks is to learn challenging material. Be an active participant in class. Most people learn best by doing, not just being a passive observer.

Maintain a positive attitude: Mathematics is challenging! We need to give ourselves a chance to learn and this won't always happen the first time you attempt something.

YOUR ENROLLMENT IN THIS COURSE SIGNIFIES YOUR AGREEMENT TO ADHERE TO THE RULES AND CONDITIONS OF THIS CLASS. Please read this and make sure you understand its contents fully, then put this sheet in a safe place where you can easily refer to it.