

Math 4 Section 71867
Pre-Calculus Algebra and Trigonometry
Syllabus — Summer 2011

Instructor: Ed Braunhut

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Office: 1074 (Math Learning Center – office to side of frontdesk)

Text: *Algebra and Trigonometry*, by Sullivan, 8th edition

Calculator: Scientific calculators for exams

Office Hours: I'll be in the MLC from 12–5pm Sunday though Thursday

Class Website: www.mathtoearth.org/math4notes

LEARNER OUTCOMES

This pre-calculus course focuses on the algebraic, graphing and trigonometric skills required for success in a calculus class. As a student in this class, you will:

1. Participate in a community of mathematicians, respectfully communicating, discussing, exploring, tutoring and learning mathematical concepts.
2. Solidify the algebraic skills you learned in elementary and intermediate algebra.
3. Identify and analyze the characteristics of a function and/or its graph.
4. Memorize and apply trigonometric facts to solve a variety of problems.

ATTENDANCE AND CLASSROOM CONDUCT

You are responsible for your attendance, and I *strongly* recommend that you be here for all class-meetings. Whether or not you attend class, **you are responsible for all material covered**. Come to class *on time* ready to learn and work for the entire class period. Students often find the lectures more helpful when they've read through the material to be discussed in the text and online notes before coming to class and have done all homework assigned up to that day. *Turn off cell phones, pagers, and other noise making devices* that might distract you and your classmates during class time.

HOMEWORK QUIZZES

In order to encourage you to do the problems as we move along, you will complete one homework quiz each day except on days in which there is a test. Mathematics builds on itself; in order to succeed you must keep up with the material. For each homework quiz, you will be to use your homework as reference to answer the questions. You must write down all work that is used to arrive at your solution to receive full credit. **There are no make-up homework quizzes**. If you are late to class, you will have whatever time remains of the first ten minutes to complete the quiz. If you arrive more than ten minutes late, you will not be able to complete that day's homework quiz. Homework Quizzes make up 10% of your class grade.

HOMEWORK

Homework will be collected on the day of each test. Homework is worth 10% of your class grade **Late homework will not be accepted—no exceptions**. Homework will be graded on the number of problems attempted and the number of correct *solutions graded*—an assignment with just the answers to the problems will not receive full credit. Homework in which problems or sections are out of order will not be graded. Homework needs to be titled with the Lecture number and Part number as indicated on lecture notes. For example “LECTURE 1, PART 3”.

TESTS

There will be 3 tests throughout the summer—see class schedule online for dates. Each test is worth 20% of your class grade for a total of 60% throughout the semester. The tests are closed book/closed notes. You may use a scientific calculator on most of the three tests—some tests may have a “no calculator” portion. Absolutely no cell phones, PDAs, or graphing calculators are allowed. If you are caught cheating on a chapter test, you will receive 0 points for that test. If you are caught cheating a second time, you will be asked to drop the course. If you are unable to attend class on the day the test is distributed, please contact me, either in person or by phone at 479-6159, *before* the exam is scheduled to begin. You may *not* take a test after its scheduled time. **There are no make-up tests**.

If you contact me before the exam about not being able to take the exam due to a very good reason, you can tack the 20% from this test onto the final exam percentage making it worth 40%. This can only be done for one test.

REWORKS

After receiving a graded test, you will have the opportunity to analyze and correct any mistakes that you made. Your original test or must be attached to separate sheets of paper that contain *complete and correct* solutions. Work done on the original corrected test will **not** be re-graded. If the following conditions are met you will receive a quarter of your missed points added back to your test score:

- 1) all of your reworked problems are correct
- 2) you have corrected all of the problems where you missed points
- 3) solutions are complete (not just the part that had the error but the entire solution – error free)
- 4) problem & solutions written on separate sheets of paper attached to back of original exam with one staple
- 5) solutions are labeled with problem number and are in increasing order from first to last.
- 6) turned in one week from the date the exam is returned (except test 4). **No late reworks will be accepted.**

FINAL

The final exam is worth 20% of your grade (or 40% if you missed one exam with a good excuse). You must take the final on its scheduled date—see class schedule. The final is closed book/closed notes. You may use a scientific calculator on the final—no cell phones, PDAs, or graphing calculators are allowed. **There are no make-up finals.** You may **not** rework the final.

GRADING

Your grade will be computed as a straight average: the total number of points earned divided by the total points possible. I do not curve grades. Please keep all of your graded papers. This is class may only be taken for a grade. It **cannot** be taken credit/no credit.

Passing grades—grades that allow a student to move on to Math 5A *Analytic Geometry and Calculus I*:

A: 90% – 100% **B:** 80% – 89% **C:** 70% – 79%

Non-passing grades:

D: 60% – 69% **F:** below 60 %

The class percentage is given by:

Homework Quizzes	10%
Homework	10%
3 Tests	60%
Cumulative Final	20%
Reworks	<i>extra credit</i>
Total	<i>100%</i>

Reworks only available with 85% or more on Homework

HELP

There are many different kinds of help available to you. First, I am here to help you; please take advantage of my **office hours** in the MLC. If you cannot attend my office hours, we can arrange to meet at another time. Second, your **classmates** are great resources. Studying together is not only extremely beneficial but also fun! Third, *free* tutoring is available on the Aptos campus at the **Math Learning Center** (MLC), room 1074, 477-5696 and **Math, Engineering, and Science Achievement** (MESA), room 714, 479-6503, and at the Watsonville Center in the **Integrated Learning Center** (ILC), room 4410, 477-5155, where the tutors are bilingual (English/Spanish).

ACCOMODATIONS

I encourage students with disabilities, including “invisible” disabilities to explain their needs and appropriate accommodations to me during my office hours. Please bring a verification of your disability from the Learning Skills or DSP&S offices along with a counselor’s recommendations.