

Math 5A Section 63860
Calculus
Syllabus — Fall 2009

Instructor: Ed Braunhut

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Office: 1074 (Math Learning Center – office to side of front-desk)

Text: *Calculus, Early Transcendentals*, by Stewart, 6th edition

Calculator: Scientific calculators for exams

Office Hours: Tue/Thu 5:00–6:00PM

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:

- a. Evaluate first-order and higher-order derivatives of functions by applying the product, quotient and chain rules.
- b. Generate sketches of curves and decide on optimal values of functions by applying first and second derivatives to find relative and absolute extrema.
- c. Evaluate definite and indefinite integrals by formulating antiderivatives.

ATTENDANCE AND CLASSROOM CONDUCT

You are responsible for your attendance and I *expect* that you be here for all class-meetings. **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 before coming to class and have done all homework assigned up to that day. *Turn off cell phones, pagers, and other noisemakers* that might distract you and your classmates during class time.

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 complete *solutions; a solution which has only the answer will receive no points.* Homework in which problems or sections are out of order will not be graded. Homework needs to be titled with and separated by the section number. If you earn at least 90% on the homework for a particular test, you will be given the opportunity to rework your exam for at most 25% of the points you lost.

TESTS

There will be 4 tests throughout the semester. See homework sheet for the topics covered on each exam. Each test is worth 17.5% of your class grade for a total of 70% throughout the semester. The tests are closed book/closed notes. You may use a scientific calculator on most of the chapter tests—some chapter tests may have a “no calculator” portion. 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 477-5655, *before* the exam is scheduled to begin. You may **not** take a chapter 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 17.5% from this test onto the final exam percentage. This can only be done for one test. As mentioned above, if you earn at least 90% on the homework for a particular test, you will be given the opportunity to rework your exam for at most 25% of the points you lost. These points will be added back to your exam score.

REWORKS – for those students earning at least 90% on homework set for that exam

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 37.5% 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	10%
4 Tests	70%
Final Exam	20%
Reworks	<i>extra credit</i>
Total	<i>100%</i>

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.