AP Calculus BC
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Introduction

This is the most important class that has ever existed. It is my passion. I hope you will feel the same way.

This is going to be difficult.

The goal of this course is to prepare you for the AP Calculus BC Exam. This exam reflects material covered in two semesters of a college-level Calculus course. At Purdue University, I saw many of my peers struggle through these semesters. Luckily, you have my friends' secret weapon available to you: me.

In order to be ready for the exam, I expect you to have good study habits. Here are some:

- Attend all classes.
- Ask questions (before, during, or after class).
- Take clear and understandable notes.
- Do your homework; extend your test-prep time over several days or weeks, instead of cramming.
- Use all the resources – text and people – that are available to you.

You may also want to ensure that you attain a deep understanding of Calculus, rather than simply memorizing formulas. To attain this deep understanding, consider these actions (and anything else you can do):

- Review your notes at least once a week and rewrite them in summary form.
- Verbally explain concepts (theorems, etc.) to a classmate (or me).
- Form a study group that meets regularly to do homework and discuss reading and lecture notes.

Expectations

1. Be prepared for class. Bring all materials each day (textbook, 3-ring binder, a pencil with an eraser, your assignment, and a calculator).
2. Be responsible for your actions and respect others.
3. Be proud of your work!
4. Mr. Wojciechowski has the final say in all debates.

Grading

1. Quarterly grades will be dependent on tests, quizzes, classwork and homework.
2. I will check for homework on a daily basis. Part of your homework grade will be dependent on you completing your assignments daily. If you do not have your homework on a given day, you will be assigned a working lunch to allow you the opportunity to complete it.
3. I will collect homework on test days. I will grade a specific subset of problems from your homework. Make sure your homework is clearly labeled with both page and problem numbers (as well as your name).
4. The quarter grades are weighted as follows:

a. Tests/Quizzes - 80%
    b. Classwork/Homework - 20%
  5. Your final grade will be an average of the four quarter grades.

Cheating/Plagiarism
  Cheating/plagiarism is the act of passing off someone else's work as your own. If you are
  caught cheating, you will receive a zero. If you do not show your work, I will assume that
  you cheated. ***ALWAYS SHOW YOUR WORK****!*

Books
  Finney, Ross L., Franklin Demana, Bert Waits, and Daniel Kennedy. *Calculus: Graphical,*
  Numerical, Algebraic. Reading, Mass.: Addison-Wesley, 2007.

Approximate Guide to the Year
All dates are approximations; they will almost definitely change.

Quarter 1
- Chapter 1: Prerequisites
  - Test September 5
- Chapter 2: Limits
  - Test September 23
- Chapter 3: Derivatives
  - Test 2 October 23

Quarter 2
- Chapter 4: Applications of Derivatives
  - Test November 19
- Chapter 5: The Definite Integral
  - Test December 16

Quarter 3
- Chapter 6: Differential Equations and Mathematical Modeling
  - Test January 21
- Chapter 7: Applications of Definite Integrals
  - Test February 11
- Chapter 8: L'Hôpital and Improper Integrals
  - Test February 26
- Chapter 10: Parametric and Polar Functions
  - Test March 23

Quarter 4
- Chapter 9: Infinite Series
  - Test April 25
- AP Test: May 5 AM