

Mr. Flint
Randolph High School
AP Calculus AB
2010-2011

Welcome to AP Calculus AB. I look forward to a great year of working with you all. I have outlined some important information regarding the course below. Please read this and ask if you have any questions.

Textbook: *Calculus: Graphical, Numerical, Algebraic* – Finney, Demana, Waits, Kennedy

Web Site: At some point during the year we will begin using the Blackboard Course Management System. Until then I have a blog set up that will allow me to post a number of resources online, including class notes, PowerPoint presentations, homework assignments and worked-out problem solutions. You can access the blog at <http://rhsapcalcab2010.blogspot.com/>. Please save the location on your computer.

Calculator: You must have a graphing calculator. We will try to use TI-Nspire technology in the classroom, and recommend it if you are purchasing a new calculator. However, any of the TI-83, 84, or 89 models will also suffice. The calculator will be used to explore mathematical ideas, verify the results of manual computation and to solve problems that are not conducive to pencil and paper calculations. Calculators should be brought to class each day for in-class activities. They may also be used for homework, but calculator answers are not acceptable in place of worked out solutions when those are required.

Homework: Homework is intended to support learning that takes place in class. Homework will be assigned and collected from time to time. Even though homework will not be graded, completion of homework may be a factor in whether you are eligible to receive extra credit (when offered). Some amount of class time may be allocated to answering homework questions, but it is each student's responsibility to keep up with assignments and to seek out help when difficulties arise. I am available before or after school most days in Room D207 if you need assistance. Let me know in advance if you will be stopping by.

Problem Sets: In addition to homework, problem sets will be assigned for the specific purpose of reviewing important skills and concepts prior to tests. These assignments are to be completed and turned in. They will be graded.

Quizzes/Tests: Students should expect short quizzes (3-5 questions) frequently throughout a marking period. They are intended to assess how well students are assimilating newer material. Tests (10-20 questions) will be administered roughly every one to two weeks. Tests will be cumulative in nature.

Project: In the fourth marking period following the AP exam, students will concentrate on a project involving calculus in any field of interest (e.g. physics, biology, economics, etc.) which they choose. The project will take the place of quizzes and tests in the fourth marking period.

Participation: Active participation in class will be beneficial to each student’s learning, grades, and AP scores. It is highly encouraged at all times.

In-Class Activities: Class time will be used for a variety of purposes including presentation of new material, demonstration of problem solving techniques, etc., but will also be used for various “lab” exercises, both individual and cooperative in nature. These exercises will be collected and graded. Students will be notified beforehand when the activity is to be assessed and what its point value will be.

Grading: Marking Periods 1-3

Quizzes	20%
Tests	40%
Problem Sets	20%
In-Class Activities	20%

Marking Period 4

Problem Sets	40%
Project	40%
In-Class Activities	20%

Please let me know if you have any questions regarding these items. Have a great year!