AP Calculus Introduction & Policies

Mrs. Rigdon, 2024-2025

Welcome to the start of a new year, and to a semester of AP Calculus. This is a rigorous, fast-paced course designed to prepare you for college level classes. You will be learning and applying calculus skills and concepts to modeling and solving problems across multiple representations. This spring you will be expected to take the **AP Exam on May 12, 2025** (the location of the test will be determined at a later date).

AP Exam:

The AP Calculus exam consists of two sections, and students are given a total of 3 hours and 15 minutes to complete the exam.

- **Section 1: Multiple Choice Questions**
  - Part A is 30 **calculator inactive** questions. You will be given 60 minutes to complete this section, and it is weighted 33.3% of your overall exam score.
  - Part B is 15 **calculator active** questions. You will be given 45 minutes to complete this section, and it is weighted 16.7% of your overall exam score.
- **Section 2: Free Response Questions**
  - Part A is 2 **calculator active** questions. You will be given 30 minutes to complete this section, and it is weighted 16.7% of your overall exam score.
  - Part B is 4 **calculator inactive** questions. You will be given 60 minutes to complete this section, and it is weighted 33.3% of your overall exam score.

Technology:

- I will assign students a TI-84 calculator which we will use on a daily basis to explore and help solidify calculus concepts (though students will be expected to know how to solve problems with and without the use of a calculator).
- Students will need to bring their chromebooks/personal laptops with them to class to access AP Classroom, Google Classroom, etc.
- Students need to keep cell phones, headphones, airpods etc. put away during instruction.

Textbook:

You will be provided a workbook with guided notes, practice/homework and test prep. We will take notes together during class, and you will be expected to complete the practice and test prep questions for homework. I will collect your workbook at the end of each unit for a classwork grade.

Workbook: Bean, Brust, Kelly and Sullivan *AP* Calculus BC*, The Algebros 2021

Pacing Guide:

Below I have provided the units and an estimate of the amount of class periods we will spend on each topic (this may shift as the semester progresses).

- **Unit 1: Limits and Continuity** - August (8 - 10 days)
- **Unit 2: Differentiation: Definition and Fundamental Properties** - September (8 - 10 days)
- **Unit 3: Differentiation: Composite, Implicit and Inverse Functions** - September (6 - 8 days)
- **Unit 4: Contextual Applications of Differentiation & Rates of Change** - September - October (7 - 9 days)
- **Unit 5: Analytical Applications of Differentiation Including Analysis of Functions** - October (12 - 14 days)

- **Unit 6: Integration and Accumulation of Change** - October - November (9 - 11 days)
- **Unit 7: Differential Equations** - November (8 - 10 days)
- **Unit 8: Application of Integration** - December (9 - 11 days)

Absentee Policy:

- If you are absent you will be expected to complete the notes and practice/test prep questions for the section(s) covered that day.
- Videos of all topics covered in class will be posted in Google Classroom.
- If you miss a test or quiz, you need to arrange a time to make those up with me **within 5 school days after you return**.
- Tuscola/Pisgah Schoolwide Absence Policies will apply to this class: For absences 7-9 you will complete make-up time. At 10 absences you will have to appeal for credit & do make-up time for absences 7, 8 and 9. At 10 absences, you must fill out an appeal form.

Test Corrections Policy:

- You are allowed to complete test corrections on 5 of the 9 tests we will be taking this semester. You can earn up to half credit back on the problems you missed.
- You will be given **two weeks** after each test to complete the test corrections (unless you choose to do corrections on the last test of the year - you will receive one week in this case).
- To complete corrections you must show the correct way to solve the problems that you missed on a separate sheet of paper, AND will be required to provide a specific description of what you did wrong the first time and how you corrected your mistake.
- If you are struggling to identify where you made your errors, or are stuck on specific problems, you can schedule a meeting with me during my office hours to receive some feedback to point you in the right direction.

Contact Information:

The best way to contact me is by email at mrigdon@haywood.k12.nc.us or using Remind. To join our class Remind, follow the instructions provided in Google Classroom in the Classwork section under *First Day Information*.

Office Hours:

3:15 pm - 4:15 pm on Wednesday & Thursday at THS, room B14.

**These times may be subject to change*

Grading Policy:

Each Nine Weeks	Final Grade
Tests - 50%	N1 - 37.5%
Quizzes - 30%	N2 - 37.5%
Classwork/Homework - 20%	Final Exam - 25%

**The full course syllabus is attached as a pdf in Google Classroom for your reference, and any modifications made are provided above (pacing, textbook information, etc.)*