

## AP Calculus AB Syllabus

### Course Description:

This AP Calculus AB course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegeboard.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function.

### Additional Materials Required:

- Graphing Calculator
- Calculus (AP Edition Updated – 2016) By Ron Larson, Bruce Edwards
  - ISBN-13: 978-1305952874
  - ISBN-10: 1305952871
- Cracking the AP Calculus AB Exam, 2020 Edition
  - ISBN-13: 978-0525568155
  - ISBN-10: 0525568158

### Student-Teacher Conferences:

Office Hours. Students can schedule up to three (3) Student-Teacher Conference over the duration of the course. These meetings are optional, and attendance will not affect your grade.

To schedule an office hour with your teacher to please visit the Student Resources page on [waonline.org](http://waonline.org).

**Washington Academy Grading Scale:**

**A** = 100 - 93  
**B** = 92 - 85  
**C** = 84 - 76  
**D** = 75 - 70  
**F** = 69 or less