

AP CALCULUS BC

AP Calculus BC Course Description

This AP Calculus BC course teaches students how to analyze change and solve advanced math problems. Students study limits, derivatives, and integrals, and apply them to motion, optimization, and accumulation. The course also includes techniques of integration, differential equations, and sequences and series, including power series. By the end of the course, students will be prepared to take the AP Calculus BC exam and to enter into other college-level math courses.

**Calc-
ulus**
Volume 1

**Calc-
ulus**
Volume 2

Calculus Volume 1 and
Calculus Volume 2, OpenStax



Course Topics

1. Limits
2. Derivatives
3. Application of Derivatives
4. Integration
5. Applications of Integration
6. Techniques of Integration
7. Introduction to Differential Equations
8. Sequences and Series
9. Power Series

Additional Resources

- College Board - includes test information and additional practice for the AP Exam
- OpenStax Textbook and Resources digital access to the textbook
- Pearson MyMathLab - additional practice

