

Syllabus – AP Calculus AB

Instructor – Mr Lynch

Room 4-214

Email – lynchr@pcsb.org

Office hours: 6:30-7:00am daily
2:00-2:30pm daily

Description: Advanced Placement Calculus AB satisfies all the requirements designed by the College Board and is equivalent to one semester of college level calculus. Topics include 1) limits, 2) differentiation of functions, 3) applications of differentiation, 4) integration of functions, and 5) applications of integration.

Key Resources: Textbook – Calculus of a Single Variable. 9th Edition
Solution manual for textbook is at <http://www.calcchat.com/book/Calculus-9e>
Online Homework at Cengage – www.webassign.net
Internet – patrickjmt.com, BCHS website, paul’s online notes
Khan Academy – www.khanacademy.org – join code **BBPX8MMK**
College Board - <https://myap.collegeboard.org/login>
Period 3 Join Code - **GKW3DQ**
Period 6 Join Code - **A9WXQM**
Important – use the join code associated with your Semester 1 AP period.

Bring to Every Class: Notes, questions from homework, College Board, and Khan Academy
Graphing Calculator (TI83/84 preferably) – required in class and on the AP Exam

My Expectations: Cell phones are NOT allowed during class.
Students to follow all Boca Ciega HS and PCSB rules and regulations.
Students to wisely use their time in class to learn calculus.
Students to actively pursue additional resources to supplement in class lessons.
Students to immediately seek help (during class, before/after school, online) if necessary.
Tests/Quizzes are taken without notes or internet, unless otherwise specified.

AP / PCSB Requirements: See next page for full details

<u>Grading Policy:</u>	<u>Item</u>	<u>Frequency per Marking Period</u>	<u>Approximate Weight</u>
	Homework/Classwork/FRQs	about 10 assignments	35%
	Notes / CB Progress	almost every class	15%
	Tests / Quizzes	roughly 2 tests / 4 quizzes	50%

*Homework will be assigned from the Webassign (online) and from handouts.

RECOMMENDATIONS:

- 1) Pay attention in class and ask questions. **LEAN FORWARD.**
- 2) Attend help sessions after school and on weekends.
- 3) Consider forming a study group.
- 4) Do NOT get behind on notes and homework.
- 5) Resist the temptation to cheat. You will regret it.

Course Topics:

1. Limits and their properties, continuity, asymptotes
2. Derivatives
3. Applications of the Derivative
4. The Definite Integral
5. Transcendental Functions
6. Applications of Definite Integrals
7. review for AP Exam