

AP Calculus AB/BC Course Syllabus

Instructor – Dr. Richard Sullivan

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Tutoring Hours: Tuesday and Thursday
7:45 – 8:30 am

Course Textbook: Calculus; Foerster, 2003; Key Curriculum Press,
Cracking the AP Calculus AB & BC Exams;
Princeton Review, 2010

Course Description:

AP Calculus AB/BC is the first calculus course in the Advanced Placement (AP) Program developed by The College Board. It is a full academic year of work and is comparable to courses in colleges and universities. Students need to have a thorough knowledge of college preparatory mathematics, including algebra, trigonometry, geometry, including rectangular and polar coordinates, equations and graphs, lines and conics. Students taking the course should be adequately prepared to study elementary functions, limits and continuity, and differential and integral calculus. The use of graphing calculators in AP Calculus is considered an integral part of the course. In addition, a comprehensive exam will be given at the end of each semester in preparation for the required AP Calculus Examination in May. Participation in study groups is highly recommended.

Absence Policy:

Attendance will be closely monitored at all time to receive course credit. While individual circumstances will be examined on a case-by-case basis, course level mastery is unlikely with more than **five** unexcused absences.

Evaluation:

Student achievement in this course will be measured using multiple assessment tools including but not limited to chapter tests, cumulative tests, quizzes, homework, classwork, portfolios, projects, and open ended questions. The percentage factors are the following:

Projects/Tests	30%
Quizzes	30%
Classwork/Homework	30%
Participation	10%

Academic Integrity and Plagiarism:

Any substantiated case of plagiarism – whether intentional or unintentional – may result in loss of course credit.

Standard Grading Scale:

A	100 – 93
A-	92 – 90
B+	89 – 87
B	86 – 83
B-	82 – 80
C+	79 – 77
C	76 – 73
C-	72 – 70
D+	69 – 67
D	66 – 64
F	63 and below

Course Supply Request:

- 3 – Ring Binder
- Dividers
- Pocket Folder
- #2 Pencils
- Ball Point Pens (Blue or Black)
- Highlighters
- Erasers
- Colored Pencils
- Loose leaf, notebook paper
- Graph Paper
- Spiral Notebook
- Graphing Calculator (TI-84 Plus)