

## BC Calculus Syllabus

### Dr. Vermilya

1. The topics to be covered this year include limits, continuity, derivatives and applications of derivatives such as related rates, max/min problems and curve sketching. The study of integral calculus will include techniques of integration, applications of integration, and numerical integration. In addition, parametric equations, polar coordinates and series and sequences will be studied.
2. The AP exam **REQUIRES** the use of a graphics calculator. Each student will be required to have a TI-83 and a great deal of time will be spent learning how the calculator can be used in the study of Calculus. Calculators must be brought to class each day.
3. The course is predominantly lecture and students are expected to take notes in class and homework is given after each topic. Students should have a separate section in their notebooks for daily homework.
4. **ATTENDANCE** is an important element of this class. If an absence is necessary you will be expected to get notes from the day you were out and get caught up as soon as possible.
5. All students will be required to take the AP exam at the end of the year.
6. Grading for this course is as follows:

Major Tests ( the Final will count as two tests)	40%
Quizzes	35%
Pop Quizzes	5%
Hand in assignments	10%
AP Homework	10%

The grade scale will be as follows:

90-100	A
80-89	B
74-79	C
70-73	D
below 70	F

#### Tests and Quizzes.

There will be approximately 4 tests and 6 - 8 quizzes each semester. There will be a final exam first semester which will count as TWO test grades. The quizzes will cover one or two related topics and major tests are usually compilations of several previous quizzes. Hand in assignments consist of actual problems from previous AP exams as well as problems from the textbook. In addition, there will approximately 10 POP QUIZZES during the semester.

If a student is absent for a Quiz, Pop Quiz, or a Hand In Assignment no makeup will be given. The next grade will count DOUBLE for the missed grade. This does not apply for tests. All tests will be made up within three days after coming back.

#### RULES AND REGULATIONS

- Ø Students are expected to report to class on time and observe school regulations concerning uniforms and discipline.
- Ø Students are expected to come to class each day prepared. They should bring with them their text book, notebook, calculator and pencils. No one will be allowed to return to their locker once they have arrived in class.
- Ø All Calculators must be engraved. Any student who is found with a calculator that is not engraved will have the calculator confiscated until it is engraved.
- Ø Students should be aware of the school's policy regarding cheating and will be held accountable on all tests, quizzes, and homework.
- Ø ALL work that is handed in must be neat and done in PENCIL.
- Ø All shirts must be tucked in at all time.
- Ø Sweaters and sweatshirts must be worn properly or carried. They may NOT be worn around the waist! Sweaters will be confiscated for the remainder of the day.
- Ø Boys' pants must be pulled up to the waistline.
- Ø The approved school shoe must be worn properly. You may not walk on the backs of your shoes. No tennis shoes will be allowed unless you have a doctor's note. This note is good for ONE day not the rest of the school year!
- Ø NO FOOD or GUM will be allowed in the room.