



Archbishop  
**MOELLER**

# AP Calculus BC

## MA434

**Mr. Kohls**

# AP Calculus BC

## Course Information:

1. Mathematics Department
2. Year long course
3. Senior level course
4. Pre-requisite – 85% in Honors Analysis
5. In order to receive AP weight for class rank, you must register and take the AP test in the spring. Otherwise, you will receive only Honors weight for class rank.



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The College Board offers two different AP courses/tests.

1. The “AB” course is equivalent to just first semester college calculus.
2. The “BC” course is equivalent to first and second semester college calculus. This test will also provide an AB sub-score based off your performance on the common questions that are on both the AB and BC test.

We only offer the “BC” course for our students.



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## Course Description:

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

- Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.



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## Academic Requirements:

1. Typically 60-90 minutes of homework per class period
2. No papers/major projects
3. Reading the text for further support is recommended.
4. 3-4 tests per quarter.
5. Approximately 3-5 hours outside of class time would be expected per week for the student to be successful.



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- This course requires strong algebra skills and mastery of geometry and trigonometry concepts from previous courses. While some review of such concepts will occur during the course, time spent reviewing will be minimal.
- Students who wish to pursue a career related to mathematics, science, engineering, or medicine should take this course.



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