



# AP Calculus AB

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- **COURSE CONTENT:** This course covers all key differential and integral calculus topics necessary to be successful on the AP Calculus exam including limits, continuity, understanding the “derivative”, rules for differentiation, applications of derivatives, understanding integrals, integration tools/techniques, applications of integrals and much more....

▪ **WHY YOU SHOULD TAKE AP CALCULUS:** This course will build upon previous skills learned to the point where you'll *finally understand* how things fit together in mathematics. It will give you the foundation to pursue any technical course of study at the college/university level and give you a *leg up in college*. Students coming back to visit with me at PA always tell me this is so! Moreover, passing the AP Calculus Exam will **earn you college credit** ... how much depends upon the college you attend and your course of study. In addition, college admission boards want to see students challenging themselves and always moving in an upward direction in their courses. **Taking AP Calculus looks awfully good on college applications!**

- **COSTS & SAVINGS:** There is a fee for taking the AP Calculus AB exam, but the National Math and Science Initiative (NMSI) will pay half your exam fee. *NMSI will also pay you \$100* if you score a 3, 4, or 5 on your exam! But most importantly, passing the AP Calculus exam will save your parents tuition costs for college if you earn credit for Calc I by passing the exam (many colleges charge as much as \$800-900 per credit hour).
- **OFTEN ASKED QUESTIONS:** Prerequisites for taking AP Calculus AB are successful completion of Math Analysis, or IB SL I (IB's equivalent to math analysis), or IB SL 2. Some students come to AP Calculus from IB Math Studies, and many of these have been very successful in Calculus. The main requirement is the desire to learn ... you cannot be lazy!

Students who have taken AP Calculus with me have often told me that the math courses they have taken in college have been far easier because of this course, that they were better prepared than most of their other college classmates, and have thanked me for the rigor and clarity of my teaching