



McLean High School Course Description and Expectations

**Course:** AP Calculus BC

**Prerequisites:** PreCalculus Honors with Trigonometry, recommendation from previous math teacher

**Short Course Description:**

Topics covered include but are not limited to a review of introduction to calculus, basics of derivatives, applications of derivatives, an introduction to integration, applications of integration, additional derivative and integration formulas, techniques of integration, infinite series, Differential Equations, Taylor and McLaurin series, conics, parametric equations, and polar curves, and vectors

**Summer Assignment:** None

**Work Load during the School Year:** Intensive theoretical understanding of math, many applications to physics, chemistry, and biology. Homework can take anywhere from 1hour per class to 3 hours per class. Test and Quiz preparation may take up to 3 or 4 additional hours per week of study. Many days after school and Saturday review sessions are necessary for some students.

**Special Course Information:** 3.5 hour Saturday Final Exam given in April.  
Lunch time tutoring requirement in Lunch and Learning Lab

**Available Support:** Almost every day, lunch time, Saturdays

**Please sign indicating that you have read and understand the nature of this AP course.**

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student signature

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parent signature