



Calculus Honors

Course Description

Calculus is the study of change. The foundation for this study is limits and function behavior. Derivatives of functions are interpreted verbally, graphically, numerically, and algebraically. Numerical and algebraic anti-derivatives are used to solve problems, and differential equations to model exponential growth and decay. Calculus explores relationships among functions, derivatives, and anti-derivatives, as well as applications of derivatives including moving bodies, industry and finance. This course is designed for those students who wish to take Calculus but without the Advanced Placement focus.

Honors Mathematics courses are intended to be more challenging than standard courses and provide multiple opportunities for students to take greater responsibility for their learning. Honors Mathematics courses should be distinguished by a difference in the quality of the work expected rather than merely by the quantity of the work required.

Prerequisites

Recommended a B or better in honors pre-calculus or advanced mathematics course with a thorough understanding of functions and trigonometry.

DLAs, to see a current list of textbooks and course materials, including required websites, please go to the Textbook Tab in the DLA SPA.