

Introduction to Calculus

Course Preparedness Profile & Expectations

Difficulty Level: Difficult

Estimated Nightly Homework: 30–60 minutes

Mandatory Prerequisites: C or higher in Integrated Math 3/3 Honors or Algebra II/II Honors

Meets High School graduation requirement for mathematics

*Meets UC/CSU subject area “c” requirement (**pending UC/CSU approval**)

Introduction to Calculus focuses on the foundations and analysis of early material students will encounter in a college level calculus class. Through the context of calculus, students will strengthen their skills in solving equations, graphing functions, and analyzing features of functions and their graphs. This course provides a review of polynomials, exponential, logarithmic, and trigonometric functions. Each family of functions will include an exploration of related limits and derivatives. Students will have the opportunity to begin exploring integrals at the conclusion of the course.