Honors Calculus

Course Number: 431
Course Title: Honors Calculus
Department: Mathematics
Open to Students in Grade: 12
Any Required Prerequisite Courses: Precalculus (emphatic recommendation for Precalculus H1 or Precalculus H2, and/or strong recommendation from current teacher)

Topics Addressed/Skills Developed:

This is a course in introductory calculus, stressing an intuitive approach as well as problem solving techniques. Students will be introduced to differential and integral calculus while solidifying algebraic skills that will be used later in college. Major topics include limits, derivatives and integrals of algebraic and trigonometric functions, and applications. Students will learn to solve problems and demonstrate knowledge in multiple ways. Students may choose to take the AP Calculus AB exam with additional independent study and review.

Please note that there is no lower level full-year math course, so there is no transferring out of this course. We advise that you sign up only with teacher recommendation.

Approximate or range of hours of homework per class meeting: 0.5-1.0

Textbook / informational text reading amount: None

Types of large assessments in this course: Tests and quizzes

Level of Independence Expected:	High Independence				
Assessment: 5 = anything can be assessed 1 = only things explicitly discussed in class are assessed	5	4	3	**2**	1
Project/Class Work: 5 = little to no class time 1= almost all the work will be done in class	5	**4**	3	2	1
Level of Collaboration: 5= frequently (almost every class) 1= infrequently (almost never)	5	4	3	**2**	1