

AP Calculus AB Application

Western High School

Student Name: _____

Directions

Please read the course description and recommendations carefully before completing the application. Only complete applications received will be considered. For questions or further information, please contact the course instructor prior to the application deadline.

Return to Mr. Varney

Course Description

AP Calculus AB focuses on students' understanding of calculus concepts and provides experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), the course becomes a cohesive whole, rather than a collection of unrelated topics. The course requires students to use definitions and theorems to build arguments and justify conclusions. The course features a multirepresentational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

Recommendations

- Time management
- Self-motivation both inside and outside the classroom
- Strong written and verbal mathematical communication
- Ability to solve problems in more than one way
- Justification of solutions

Teacher Recommendation (You must get the recommendation of 2 prior math teachers)

Teacher: _____

Teacher: _____

Time – management: 1 2 3 4 5

Time– management: 1 2 3 4 5

Motivation level: 1 2 3 4 5

Motivation level: 1 2 3 4 5

Math ability: 1 2 3 4 5

Math ability: 1 2 3 4 5

Comments:

Comments:

Explain why you are interested in AP Calculus. Keeping in mind the course description, what do you think you will get from/add to our learning in AP. (This should be more than a couple sentences)