

# AP CALCULUS

## **WHY TAKE AP CALCULUS?**

The intention of a student enrolling in AP Calculus should be to obtain college credit. This can be obtained through the combination of the AP Exam and your specific college's policy. SD Board of Regents awards four semester hours of credit for a score of three or higher.

## **COURSE OVERVIEW**

This course follows the scope and sequence of the AP Calculus AB course as described by the Advanced Placement Program. The curriculum is adjusted each year when the publication of curriculum changes. This class will be taught as a college-level course. Students should be prepared to handle the rigor. Students enrolled in the class must take the AP exam in May. Preparation for this exam will be throughout the year with extensive review in April. Graphing calculators are used extensively. Students will be required to purchase an additional text for this class. Summer preparation work will be required and assigned prior to summer vacation.

## **ARE YOU PREPARED FOR AP CALCULUS?**

From *AP Calculus Course Description*:

“Success in AP Calculus is closely tied to the preparation students have had in courses leading up to AP Calculus. Students should have demonstrated mastery of material from courses that are the equivalent of four full years of high school mathematics before attempting calculus.”

A student interested in AP Calculus should have an understanding of the properties of functions (linear, polynomial, rational, exponential, logarithmic, trigonometric), the algebra of functions, the language of functions, and the graphs of functions. It is strongly recommended (but not required) that students have at least an 85% or higher in their Trig and PreCalc classes. A student needs to be self-motivated and willing to work in this course.

## **REGISTRATION FOR AP CALCULUS**

Students interested in enrolling in AP Calculus should select AP Calculus when completing their on-line registration. The pre-registration form (on the back/page 2) should be completed by the requested deadline. This helps with scheduling and the preparation of summer materials.

*Enrolled students must have completed form on file by the first day of class.* Any questions regarding the course should be directed to Mr. Sullivan, Mrs. Strand or Mrs. Achbach.

# PRE-REGISTRATION FORM AP CALCULUS

## STUDENT SECTION

STUDENT NAME \_\_\_\_\_

PLEASE READ THE FOLLOWING AND ACKNOWLEDGE WITH YOUR SIGNATURE:

*I am interested in continuing my mathematics studies next year and enrolling in AP Calculus. I have read the information found on the front side/page one presented to me and understand that by signing up for this course, I am enrolling in a challenging college-level class offered in high school. Furthermore, I understand that I will be expected to participate fully in this year-long class as well as complete all assigned tasks, which may include reading, writing, individual and group projects, etc. I will also take the AP exam in May, for which we will prepare all year.*

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## PARENT SECTION

PLEASE READ THE FOLLOWING AND ACKNOWLEDGE WITH YOUR SIGNATURE:

*By signing up for this course, I/we understand that my/our child is enrolling in a challenging college-level class offered in high school. Furthermore, I/we understand that my/our child will be expected to participate fully in this year-long class as well as complete all assigned tasks, which may include reading, writing, individual and group projects, etc. My/our child will also take the AP exam in May, for which we will prepare all year. Payment of the testing fee (approximately \$90) will be due and collected in the spring prior to completion of AP test.*

Parent(s)  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **PARENTS AND STUDENTS—PLEASE FAMILIARIZE YOURSELF WITH THE WITHDRAWAL POLICY AND INITIAL BELOW**

### STM COURSE WITHDRAWAL POLICY

Students enrolled in yearlong courses must complete the full year in order to receive credit. If a student withdraws from the class at any time before the end of a semester, he/she will receive a “WF” (Withdrawal-F). This will be placed on the transcript and figured into GPA. If a student drops a yearlong course at semester time, he/she will not receive credit or the grade received for the semester completed. The full year must be completed to receive credit and to have the grade count towards the student’s GPA. If the student drops the class at the end of the first semester, there will be a “W” (Withdrawn from class) placed on the transcript for both semesters. Administration discretion may be used in extreme circumstances.

Parent Initials: \_\_\_\_\_ Date \_\_\_\_\_ Student Initials: \_\_\_\_\_ Date: \_\_\_\_\_

For planning purposes, completed form is due to the STM Office by 3:30 pm March 3, 2017