

Advanced Placement Calculus
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AP Calculus AB is equivalent to a first-semester college calculus course. Topics include functions, limits and continuity, derivatives, and integrals. The course will focus on applying the skills and concepts of calculus to modeling and solving problems across multiple representations. The advanced placement course will use a curriculum based upon the curriculum of the state of Tennessee and the guidelines of the College Board. Our textbook is Calculus of a Single Variable by Larson and Edwards. We will also use practice tests from the Barron's AP Calculus prep book.

The class will be structured in two parts, lectures to explain new concepts and homework days to work confusing problems from the practice. This course is intensive. You will have to work many, many problems to master the syllabus. You are expected to attempt all the problems and to ask questions when you cannot figure out the solution. Success in any AP course will require you to spend time outside of class studying the concepts. AP Classroom will be a help.

Grading

I will give homework almost daily, but it will be graded solely in terms of effort. If you attempt every problem, you will receive full credit. Homework will be accepted for one week past its due date for partial credit. At the end of each section, we will have a quiz to consolidate the topics that we have covered. The quizzes will test for mastery of particular skills. Therefore, some components will be all-or-nothing. If you can solve the problem, you have demonstrated mastery and will receive a 100. If you cannot solve it, you will receive a 0 and must retake the test until you demonstrate the skill.

Speaking in class – 10%

Homework – 25%

Quizzes – 50%

Midterm/Final – 15%

The midterm will be given before Christmas, and it will cover all material learned in the first semester. Maury County School Board Policy requires everyone to take this examination. The final exam will be given at the end of the year, and it will cover material learned in the course. Exemptions are allowed if you meet the standards for grades and absences.

Academic Integrity:

To maintain the integrity of all grades awarded, both the students who cheat and/or copy the work of another student, AND the student who provided the work to copy from, will receive no credit for the work. Likewise, students who copy their answers from the internet, app, or other format will receive no credit.

Rules

If I see your phone, I will ask you to place it on my desk. You will do so without arguing.

You are not allowed to eat or drink anything besides water. If you still bring food, it means that you are volunteering to help clean the room at the end of class.

Problems such as talking during the lesson, not participating when called on, or disrupting class will result in penalties. First, you will be given a warning. Second, I will contact your parents. Third, I will contact the principals.

I have read and understood the syllabus for AP Calculus. I agree to participate in this course to the best of my ability.

Student Name Printed _____

Student Signature

Date

Parent Signature

Date