

AB Calculus Instructional Policies

There are only three class rules:

1. **Display good manners**
2. **Follow instructions**
3. **Respect others in the class**

Welcome

You are among the elite. Very few people in the world know as much math as you. Get ready for an exciting year of college level calculus. If you practice as asked you will master the material! Think positive!

Instructor

John "Truth" Knuth

Major Content Areas

- Domain, Range, Continuity, Extrema, Symmetry, Asymptotes, and End Behavior of Functions
- Slope of a curve
- Derivatives and their applications
- Integrals
- Area under a curve
- Volumes of solids of revolution
- Limits
- Slope fields

Objectives of the Course

- Instill the ability to use mathematical models for real world applications
- Provide a solid foundation for passing the AP examination
- Develop the use of the graphing calculator as a technological aid
- Promote the use of multiple representations to approach quantitative mathematical problems – algebraic, numerical, and/or graphical

Homework Policy

Calculus is a demanding college level course. It requires a certain amount of time (practice and thought) every night to firmly understand the lessons that are presented daily. These lessons will be given in a variety of ways including lectures, group work, activities, games, and even songs. Homework will be given almost every night and will be due the next class day. **I firmly believe that doing the homework every night is the best way to succeed, so any student who does all the assignments and gets at least 4 out of five points on each is guaranteed a C+ or better in my class.** Hopefully there will be time at the end of each class to start the written work, and any questions about the assignment can be answered during this time.

Attendance Policy

Mathematics can be a difficult subject. One topic builds on another so it is crucial not to get behind. Therefore, daily participation is a must, and attendance is mandatory for success.

Quizzes, Tests, Grades

The total grade each student receives will be based on homework (30%), tests (55%), and quizzes (15%). Here is the grading scale:

A 93 – 100	B 83 – 86	C 73 – 76	D 63 – 66
A- 90 – 92	B- 80 – 82	C- 70 – 72	D- 60 – 62
B+ 87 – 89	C+ 77 – 79	D+ 67 – 69	F 0 – 59

Make Up Work

You must arrange to make up missed quizzes and tests before the next chapter test is given. You may make up one late homework per chapter as long as it is before the chapter test. Any additional late assignments will receive at maximum half credit. Missed homework due to an excused absence is due after the student has been back the same number of days as they were absent. For example, if a student was absent for three days, the work they owe is due three days after they return.

Class Materials

It is extremely helpful to have a binder to keep organized. Three sections: Notes, Assignments, and Tests/Quizzes. This will be helpful to both you and me, as looking at past work may provide insights into problems you might be having, or be useful as reminders of past concepts or as study guides.

You are required to bring a calculator (TI-83 or TI-84), pencil, paper, and the textbook every day to class.

HELP

If you fall behind in my course, it's very hard to succeed; so please see me for extra help at the first sign of trouble. You may also reach me at home at 719-487-3223, or by email at knuthj@asd20.org.

Citizenship

I will give each student extra points to start each semester. Students will lose these points for tardies, failing to bring the required materials, and poor use of class time (talking about the latest movie, throwing objects, eating, disruptive behavior, etc.). Students will be considered tardy if they are not in the room and prepared for class when I start teaching at the scheduled time.

Cheating

For instances of cheating, a score of zero will be given. It is considered cheating if you copy someone else's work. I like it very much when students work together on homework, but each student involved should understand what they are writing down as their work.

AIM FOR SUCCESS AND YOU WILL ACHIEVE IT.

I have read and understand these policies: Student Signature: _____

AP Calculus AB

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We understand the policies and procedures of this course, or will ask clarifying questions if we don't by contacting John Knuth via email at knuthj@asd20.org or phone at 719-487-3223.

Student signature: _____

Guardian signature: _____