

AP Calculus A/B



Text: Calculus of a Single Variable (9th Edition) by Larson and Edwards

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Course Overview:

This course will challenge you, but if you stay on top of things, you will do just fine. Basically, the topics covered include limits, derivatives, and integrals, in which, you will also encounter a healthy dose of algebra on steroids. Our objective is to master these algebraic concepts and to understand their relationships, ultimately preparing you for the AP exam, college entrance exams, and post-secondary education.

Class Materials: Text (covered), Folder, Pencils, Notebook, Graphing Calculator

We will be using the TI-84 Plus graphing calculator daily. If you do not have one, one will be provided for you to use during class. However, these calculators are not allowed to leave that classroom.

Classroom Expectations:

Students are expected to be prepared for class and to participate in all classroom activities including discussions, projects, and note taking. Another important way that you are expected to participate is to use class time productively. You may lose the privilege to talk during independent practice time if you are being unproductive or disruptive. As the period comes to an end we will not pack up early and gather at the door.

In the event of extreme circumstances students may be allowed to leave the classroom but they must first ask. Food or drink will be allowed in the classroom but being late or leaving the class to get the food or drink will NOT be allowed. These privileges will be taken away if abused.

Instead of a long list of rules, two principles should guide your behavior in this class (and ultimately in life in my opinion.) I believe almost every classroom rule you can think of has one of these principles at its core:

1. Give your best all the time.
2. Think of others first.

Consequences for behavior issues will be a verbal warning, a change in seat location, a time-out in the hallway, a trip to the office with a call home, and removal from class.

Attendance:

Attendance is important in any class, especially math class. The guideline in the student handbook for time allowed to complete work will be followed (one plus one).

Assessment:

Homework, warm ups (daily, but entered weekly), in-class participation	15%
Quizzes (<i>retake-able</i>) and Skill Checks (periodically, retake-able 1 per day)	25%
Tests (<u>non</u> -retake-able)	60%

Quizzes must be retaken before the test for that unit. Homework completion and the amount of extra review required to retake a quiz will be at the discretion of the teacher.

Homework

“Practice makes permanent” is true in sports as well as other aspects of life, including the classroom. Therefore, homework will be assigned almost every day. Homework is the practice of the new idea or concept taught for the day. Practicing the skills is the best way for you to move them to long term memory. **It also provides you and me with information about your understanding of the new ideas.** Timely completion of daily assignments is critical to your success in mathematics because concepts presented are the necessary building blocks to future concepts. Like anything new, you will make mistakes. I expect you to make mistakes on your homework assignments. Because of this, I will not grade the accuracy of all your homework assignments. Homework will be graded on completion, not accuracy, using a 4 point scale. **Points will be deducted for leaving problems blank, not showing enough work, or an overwhelming number of mistakes.** Though I will not check every problem, I will be looking at your work on selected problems to evaluate your process and understanding. You must show your work to demonstrate your understanding of the material. **I need to know how to best help you**

You can access the worked out solutions for the odd problems in the book at www.CalcChat.com

Grading Scale

97% A	87% B+	77% C+	67% D+
93% A	83% B	73% C	63% D
90% A-	80% B-	70% C-	60% D-

Extra Help:

It is important for students to ask questions in class and come in for extra help when needed. I will be available to assist students as much as I possibly can before (7:45-8:08) and after (3:15-4:00) school, as well as during my prep period but it would be helpful to check with me before you come in just to make sure. I can usually come in earlier or stay later if needed so just let me know.

Period	Class	Location
1	Pre-Calculus	104
2	AP Calculus BC	219
HR	Homeroom	104
3	Prep	104
4	Pre-Calculus	104
5	Pre-Calculus	104
6	AP Calculus AB	104
7	Study Hall	215
8	Algebra 2	104