

# AP Calculus AB

## Ms. Orloff 2019-2020 School Year

### Classroom Expectations and Syllabus

#### 1. Course Outline

Advanced Placement Calculus (AB) emphasizes conceptual understanding through manual and technological applications of the derivatives and integrals of algebraic, trigonometric, exponential and logarithmic functions, and relations. **This course prepares the student for the AB level Advanced Placement Examination.** Satisfactory performance on this examination gives the student an opportunity to qualify for college credit in calculus. A graphing calculator meeting the College Board's optimal technology expectation for the AP Calculus exam is required in this course, preferably the TI84 (with software updates).

#### 2. Expectations

**Respect** – I expect each of you to be respectful to me, your classmates, and the classroom. This means no name calling or foul language. Only one person talks at a time. Pick up all trash as you leave and no writing on any part of the classroom (walls, boards, desks, etc.). This is a sign of disrespect and will result in detentions with the deans. **Also, any phones found in view, either being used or not, will be asked to be turned off and put away and will result in a write up to the dean.** Being courteous and helpful will make our classroom safe, pleasant, and fun!!

**Responsibility** – You need to be on time and prepared for class. When the bell rings, I begin teaching, so you must sharpen pencils, use the restroom, talk to friends, etc. before the bell rings. A list of what you need for class each day is listed below. YOU are responsible for your own success. You are responsible for being on time, being prepared, doing your best work, making up work when you are absent, and coming for extra help when you need it. I will be your support system in helping you reach your success, but you are responsible for your own success ultimately.

**Effort** – **Calculus AB is a very challenging course.** Only the most qualified students should be in this course. Being in this course is a privilege, not an obligation. To be successful, you will have to complete homework each day, read the textbook before beginning homework, ask questions and pay attention in class, and diligently make up any missed work when you are absent. This class is getting you ready for the **college experience AND for the AP exam** in the spring, so it will require more effort than what you may have done in your previous math courses.

### 3. Required Materials – bring to class EACH DAY!!

Folder or binder for handouts, worksheets, etc.

Notebook for notes and homework

Textbook – *Calculus: Graphical, Numerical, Algebraic*, Pearson Publishing; 5<sup>th</sup> edition  
(online version required, print version is optional)

Pencils, erasers – **MUST BE USED FOR TESTS/QUIZZES**

Graphing calculator – TI-84 is recommended with updated software

Chromebook with pen

Completed homework

### 4. Grading scale

A	90 – 100%	D	60 – 69%
B	80 – 89%	F	59% or less
C	70 – 79%		

\*A weighted GPA is awarded for A, B, or C in this class, not for a D or F. \*

### 5. Tests and Quizzes (90% of your semester grade)

Tests are typically worth around 100 points and will always be announced on your calendar. Quizzes are almost always announced and will be worth between 15 – 40 points, depending on the material covered. You are expected to bring materials necessary for assessment each day; I do not give out pencils and calculators for free!!! Pencils are available for a quarter to purchase in an emergency. **If you forgot your calculator for a test/quiz day, you may borrow one for free from me the 1<sup>st</sup> three times you forget. After that, you may borrow one from me for a 5% deduction on your grade for that test or quiz.**

### 6. Homework (10% of your semester grade)

Homework will be randomly checked. To be successful in math courses, daily practice is expected and required. Your homework calendar will give you advance notice as to what is due. Homework is worth **4 points** when checked. You must copy the problem from the book *including* the diagram (when necessary). **You must also show ALL your work to get any credit. Homework will be graded based on effort and completeness. NO credit will be given if you only have answers written down!!!** Also, you will notice there are many assignments that include True/False and/or multiple choice questions. Work is required on these to receive full credit on the homework. Also, for any problem where written justification is required, you must do that to receive full credit on the homework. I will also give a review graded assignment using the online version of the textbook. Those you will be given advanced notice of and will be worth **10 points**.

## **7. Make-up work (This only applies to EXCUSED ABSENCES)**

Homework: You should attempt the homework from your calendar when you are absent so you are not too far behind. You will need to complete the missed homework within the same number of days missed. It is your responsibility to show me make up work as I come around to check in homework. I will NOT remind you. If the homework is not shown to me in the time allotted, it will be a zero. For instance, if you're absent Tuesday and you don't show me the homework by Thursday, then it will be a zero. Also, if you are gone Tuesday, then I require that you have the previous night's homework (Monday night's) for me when you show up to class after you are absent.

Quizzes/Tests: I will follow the school policy for make ups of tests and quizzes. If you are gone for a test or quiz, then you have one more day than the number of days missed to make it up, or it is a zero. For example, if you miss 2 days and one of those days was a test/quiz, then you have 3 days to make up the test or quiz with me. If it is not made up in that time period, it will result in a zero. If the absence is unexcused, we will again follow the school policy. *If you miss only the review day before a test or a quiz (and no new material) you must take the quiz or test.*

## **9. Tardiness**

You are expected to be sitting in your seat when the bell rings. Otherwise, you are tardy. Tardiness will be handled completely by the deans' office with the new tardy system. If you are tardy, you must report to the nearest tardy station to get a pass. Only if you have a pass will you be admitted into class.

## **10. Copying and cheating**

There is no excuse for dishonesty in this school. Any copying or cheating will result in SEVERE penalties. You are cheating if you are the giver OR receiver of answers during a quiz, test, or homework. Using the memory on your calculator to store information is considered cheating. The first offense will result in a write up to the dean.

## **11. Getting help or information**

Math can be a difficult subject at times, so you are strongly encouraged to get extra help AS SOON AS you feel you are falling behind. Don't wait until the day before a test or quiz to get help. I can be found in room 102 before and after school. Please feel free to come to me if you have any questions or concerns and we'll work together to get you back on track!!

To get assignment calendars, notes, and other info, visit my website:

<https://orloffmath.weebly.com/>

Nearly 100% of my students in the past have found my website helpful, especially when they are absent and before a test. Please add this website to your favorites when you get home tonight!

To reach me outside of school, send me an email: [worloff@hinsdale86.org](mailto:worloff@hinsdale86.org)

Or leave a voicemail: (630)570-8420

If you want an IMMEDIATE response, email works better for me (and we won't have to play phone tag 😊).

My schedule:

1<sup>st</sup> - AP Calculus BC

2<sup>nd</sup> - Precalculus Honors

5/6 - AP Calculus AB

9<sup>th</sup> - AP Calculus AB

10<sup>th</sup> - Precalculus Honors

**Please read and sign the attached Electronics Policy form and return it to me by Friday!**

## Electronic Devices Policy

Ms. Orloff 2019-2020

Students are expected to give their full attention to classroom activities. Cell phones/smartphones, portable gaming systems, digital music players, and other electronic computing devices should be **turned off** and **put away** when students are in my classroom. **If a student has one of these devices out in class or if it rings in class, that student will receive a written dean's referral.**

- Earbuds/Earpods/headphones need to be completely put away (zipped up in a book bag or under your desk, not dangling from your neck)
- Finish texting/conversing on your phone BEFORE entering the classroom, and have the phone off and put away before class begins.
- Let me know if there is an emergency where you need to contact home right away and I will arrange for you to do so. If there is an emergency where your parents need to reach you, they will be able to contact the school and have you notified in class right away.
- Due to test security concerns, I may ask students to leave any book bags at the front of the room during a quiz/test day so that students do not have phones/IPODS/etc. on their person during the quiz/test (it is believed that students have photographed portions of tests in the past).
- Tests/quizzes will almost always have a graphing-calculator allowed portion. I will typically clear/reset the memory on everyone's calculators before and/or after the test or quiz.
- I may allow personal music players to be out and in use from time to time (if everyone has finished a test early or if there is quiet work time at the end of a class), but make sure that you have been given permission before getting them out.

**Google Chromebook:** When using the Chromebook in class, it should only be used to work on the assignment(s) and/or lesson given in class. If you are using the Chromebook for any other use besides what we are working on you may receive a referral and your parents will be notified of your inappropriate technology use in the class. If you finish an assignment on the Chromebook early and wish to use the Chromebook for other assignments, please ask for permission from Ms. Orloff first before working on other things.

The goal of my policy is to foster engagement in my classroom and fairness on my class assessments. If you have any questions or concerns about my policy, please contact me ([worloff@hinsdale86.org](mailto:worloff@hinsdale86.org)) to discuss them.

**Please sign below if you have read and agree to the above policy within my classroom.**

Student Signature \_\_\_\_\_

Parent Signature \_\_\_\_\_