



Shorewood High School

1701 East Capitol Drive

Shorewood, WI 53211

(414) 963-6920

School District of Shorewood

AP Calculus - AB : Mr. Sweeney 2024-2025

Hello and welcome to the new school year! My name is Kyle Sweeney and I'm incredibly excited to be your teacher. Throughout our time together, we will be learning calculus concepts, exploring real-life and hands-on applications to content learned in the classroom, and prepare for the AP exam. I completed my undergraduate education at UW - Green Bay in Green Bay, Wisconsin with a Bachelor's of Science degree in Mathematics. I also majored in music education and jazz studies. I spent four years teaching at Brown Deer School District before coming here. This is my third year at Shorewood High School. I have been active in education since I finished high school and have taught and tutored across the eastern portion of the state of Wisconsin. I am excited to get to know you all and grow together as a class this year!

Contact Information:

I am available between the hours of 7:45am - 5:00pm to contact by email or through the school phone.

E-mail: ksweeney@shorewood.k12.wi.us

Office: room C-137 Arts & Sciences building

Help Hours: 4th and 6th hour, lunch, after school till 4pm, or by appointment

AP Calculus - AB Concepts:

While working through the course we will be utilizing the following Mathematical Practices:

Implementing mathematical processes, connecting representations, justification, communication and notation.

The course has three main concepts called "big ideas" which are: Change (C), Limits (L), and Analysis of Functions

(A). Units are listed with which of the "big ideas" that they encompass.

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| 1. Limits and continuity (CLA) | 6. Integration and accumulation of change (CLA) |
| 2. Differentiation: definition and fundamental principles (CLA) | 7. Differential equations (A) |
| 3. Differentiation: composite, implicit, and inverse functions (A) | 8. Application of integration (C) |
| 4. Contextual applications of differentiation and rates of change (CL) | |
| 5. Analytical applications of differentiation including analysis of functions (A) | |

Daily Required in Class Supplies:

1. Calculator - TI-84 series, TI Nspire series, or Numworks, you can use your school issued chromebook during class **EXCEPT** for assessments. Calculators are required to graph functions and solve differentiation and integration. (Calculator rentals are available through the Math department)
2. 3 ring binder with dividers and notebook
3. School Issued ChromeBook
4. Pencil, pen, eraser, and highlighters

Other Supplies:

The text book:

Sullivan, Michael, and Kathleen Miranda. Calculus (for the AP Course), 2nd ed. (New York: Bedford, Freeman & Worth, 2017)

will be referenced but is not required to be successful in this course as AP Classroom (online) will be used extensively.

However, the textbook can be borrowed/ checked out from the math department for the year.

Grading:

Letter grades will be consistent with Shorewood School District Grading Policy. For the semester, assessments will count for 85% of the grade and daily work, which can include homework, quizzes, or other assignments, will count for 15%. Despite taking the AP exam in May we will still have a final exam for semester 2.

- Daily work / Assignments - Graded assignments will be accessible through AP Classroom and are labeled as Progress Checks. Students may submit their assignments early so they can see the report of how well they did for MCQs. FRQs should be handwritten or submitted online and handed in by the due date to be scored by myself. If the score is below an 80%, or if the student requests, I will unsubmit the assignment (MCQ) or handback the work (FRQ) for the student to do corrections and try again. All assignments must be submitted for a final time by the due date. Parent/ guardians will be notified through Infinite Campus if a student does not hand in an assignment on time.
- Assessments - If you have an **EXCUSED** absence the day of an assessment, you will have 48 hours to make up the assessment before it turns into a zero. If you will be gone for more than the allotted time you **MUST CONTACT ME** to set up a time to make up the test **BEFORE** you are absent. If you have an **UNEXCUSED** absence the day of an assessment, you cannot make up the assessment until your absence becomes excused. Per school policy you only have 48 hours from the unexcused absence to be called in and changed.

The following is the breakdown for the Semester (this will repeat for semester 2):

- Q1 - 40%
- Q2 - 40%
- Exam - 20%

All assessments must be submitted by the end of the class period they are administered and no extended time is permitted unless a student has a documented IEP or 504 plan.

Classroom Expectations:

- Attendance - Be on time and ready for class! The best way to be successful is being both physically and mentally present. Once the bell rings for the class to start you have **2 minutes** to be in your assigned seat working on the warmup or homework either quietly by yourself **OR** quietly with a classmate next to your assigned seat. You should be ready to help go over the warmup/ homework together after **5 minutes**.
- Tardiness - Any arrival after the bell rings up to the first 10 minutes after the bell rings is considered tardy. This means you have to be physically present! (ex. Dropping off your bag before the bell rings and then coming in after it rings is being tardy). If you arrive after 10 minutes, it is also considered tardy, but will be coded differently per school policy.
- Bathroom Use - One student is allowed to use the bathroom at a time. No students are allowed to use the bathroom during the first and last 10 minutes of class. If you leave the classroom for any period of time longer than 10 minutes (besides extenuating circumstances), you will be marked absent.
- Food - Light, small snacks are allowed, and/or a beverage with a closed cap. If the eating becomes a distraction, I will ask you to put it away until a more appropriate time.
- Success in this class comes with hard work, consistency, asking questions, working together, and being present both mentally and physically for each class. Taking advantage of the resources that I provide for you through Google Classroom, AP Classroom, and other physical and digital options will be especially helpful. If you are in doubt and can't figure it out, make sure to reach out to me as soon as possible so we can work together on finding a solution.
- The following link will provide more information about the school wide attendance policy: [7-12 Attendance Guidelines](#)

Phone Policy:

Cell Phones and other electronic devices are to be **PUT AWAY** in their assigned caddy pouch during class at **ALL TIMES** until the teacher dismisses the class. This is in accordance with the Shorewood High School cell phone policy which can be referenced here: [SHS *New* Cell Phone Policy](#) . Furthermore, all smart watches and airpods/ earbuds should also be put away at all times during the class period.

Academic Integrity:

It is expected that individual students complete their own work for assessments. I encourage students to work in collaboration for practice, but copying work is not considered collaboration and is a violation of academic integrity.

- Students who cheat on assessments will receive a zero and be referred to the assistant principal for discipline.
- Students who permit others to copy/cheat will receive the same disciplinary action.

Infinite Campus:

It is the students' and parent/guardians' responsibility to check Infinite Campus regularly to verify scores, upcoming assignments, etc. I do my best to enter scores within 24-48 hours of the due date of the assignment. Please contact me if you find an incorrect score, I am human and will be happy to take a look and correct any incorrect inputs. Infinite Campus can also be used to check on attendance, personal information, and a number of other items. Please make sure you are well versed on how to use Infinite Campus.

Google Classroom:

I will be using Google Classroom as the launch pad for all of the assignments, online resources, and other announcements pertaining to class. If you miss class or need help remembering what we did and/or what is due, or if you need extra help outside of school hours, check Google Classroom. Items will be listed as they come out under the assignments tab.

AP Exam:

The AP Calculus AB Exam is scheduled for **Monday, May 12th @ 8am**. The exam is set up similar to previous years with two sections. The first section is multiple choice, 45 questions, for 1 hour and 45 minutes which counts for 50% of the overall exam score. The second section is the free response section, 6 questions, for 1 hour and 30 minutes which counts for the other 50% of the exam score. Calculators can be used but only for certain sections of the exam which will be communicated to the students. More information pertaining to the exam will be posted in Google Classroom throughout the school year. The score you receive on the AP exam can be recognized by universities and may allow you credit for the equivalent course at the university. Scores range from a 1-5 with 5 being the highest. Registration for the AP exam should be done before November to not incur a late fee of \$40 on top of the \$99 registration fee. This is done on the AP Classroom website.