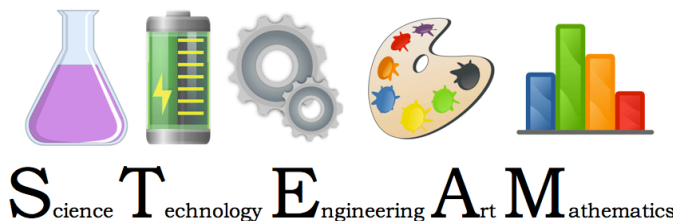


Mr. Smoyer

Advanced Placement Calculus

Course Syllabus

Northwestern Lehigh High School



Course Description

Advanced Placement Calculus is intended for students with excellent backgrounds in Accelerated Algebra II and Accelerated Trigonometry who are planning to take the AP Calculus exam during the spring term. Students are expected to be able to work independently and apply the basic concepts learned in class to more difficult homework problems, take-home assignments, quizzes, and tests. Topics include functions, limits, differentiation, integration, and applications of the aforementioned. This class requires a significant amount of time spent outside of class on completing homework assignments, studying, and remediation, when necessary.

Text/Resources

Calculus: Early Transcendentals 4e (Smith/Minton)

Teacher produced resources

Supplemental materials from College Board.

Calculators/Technology

The understanding and usage of a graphing calculator is essential to success in this course and a requirement for the AP Exam. It is **STRONGLY** recommended that students purchase their own graphing calculator. A TI-84+ or TI-84+ Color is my current recommendation. Calculators are only **TOOLS** to be used for assistance. You cannot pass this course by simply letting the calculator do the work for you, **BE CAREFUL! The TI-89 and/or TI-Inspire may be PROHIBITED on certain assessments.**

Use of Technology

Students will be expected to abide by the Use of Technology policy found in the student/parent handbook at all times!! Daily access to computers does not mean that playing games or misuse of technology will be permitted. Students violating this policy will face disciplinary action and will lose privileges.

Notes/Notebooks

Notes will be given on a daily basis. You will be expected to copy down example problems, notes, and observations during each day's lecture. Neat and detailed notes will be crucial to your success during the class as well as for the cumulative final exam.

Homework

Homework is an essential component of this course. Homework will be given frequently throughout the course and students are expected to complete each assignment to the best of their abilities. Homework will be assessed in a variety of ways including but not limited to “notebook quizzes”, collection of assignments and spot checks. It is the expectation that all homework is organized, neat, and complete.

Partial Credit

Partial credit will be given for graded assignments. Partial credit will ONLY be given when all your work is shown. You cannot simply write down an answer, you must show all your work in order to be eligible for partial credit.

Website/Email

I maintain an extensive website that houses all relevant information for my courses. On each course page you can find a calendar, handouts, solution sets, and additional resources. I EXPECT students to make use of these tools.

I check my email several times a day. I expect that students will check their NWLSD student email on a regular basis.

<http://www.myteacherpages.com/webpages/JSmoyer/smoyerj@nwlehighsd.org>

Exams

Most exams will consist of multiple parts. This is an advanced placement course and as such you will be expected to perform in a manner similar to that of a college student. Exams will consist of one or all of several parts:

- In Class Exam (calculators allowed or prohibited)
- Take Home Exam

I will be sure to notify you well ahead of time of any test. You will have ample time to complete any take home exams. Please see me well before the exam if you need help!!

Student Absence/Missed Work

It is the responsibility of each student to be organized and a responsible participant in their learning. Students that know they are going to be absent should notify the teacher BEFORE their absence. A student should use the resources available to find out what work is missed. Do NOT simply come in the following class and ask, “What did I miss?”

Grading

Grades will be given out twice for each course. If at any time you (or your parents) wish to know your grade please don't hesitate to contact me or use the Sapphire Community Portal.

Grades will be given out based on the following scale:

1st Semester (40% of Final Grade)		2nd Semester (40% of Final Grade)	
Chapter/Unit Tests	60%	Chapter/Unit Tests	60%
Quizzes/StudyIsland	20%	Quizzes/StudyIsland	20%
Homework	20%	Homework	20%

Final Exam (20% of Final Grade)
Cumulative

Lateness

Make-up privileges will be granted by teachers to any student who has been legally absent providing the student requests the privilege within three days after returning to school. Teachers may request students to take tests and make up class work immediately upon returning to school if circumstances dictate.

Academic Honesty

Students at the high school level are already starting to become members of a larger academic community and they are expected to conduct themselves as such. Failure of students to conduct themselves in an honest manner WILL be reported and can affect grades as well as future/current enrollment in honor societies. Violations include but are not limited to:

- Providing or receiving unauthorized assistance on assignments both in and out of class.
- Use of unauthorized resources during assessments.
- Plagiarizing the work of others and/or representing it as your own.

AP Exam

Although it is not mandatory it is my expectation that EVERYONE enrolled in the AP Calculus course take the exam in May. There will be rigorous preparation given and review time scheduled to assist you. You only have to GAIN by taking the exam.

Course Prerequisite

In order to be successful in this course, students should be coming in from the **Accelerated Trigonometry** course with a grade of 90%.