

Woodland High School
Course Syllabus: AP Precalculus

Instructor: Pham **Room #:** 121 **Year:** 2024-2025
Course Name and Title: AP Precalculus
Textbooks Used: N/A **Cost:**
Office Hours/Extra Help: Tuesday afternoon (3:20 pm-4:15 pm), or by appointment.

Supplementary Texts or Special Materials: Khan Academy and various other resources accessible through Google Classroom

Course Description: AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Course Outline and Content:

- Unit 1: Polynomial and Rational Functions**
- Unit 2: Exponential and Logarithmic Functions**
- Unit 3: Trigonometric and Polar Functions**
- Unit 4: Functions Involving Parameters, Vectors, and Matrices

Special Assignments and Projects: Projects will be completed at various times to provide students with additional opportunities to demonstrate mastery of concepts. Details will be distributed as they are assigned.

Classroom Rules and Discipline Procedures:

To ensure an optimum learning environment, please adhere to the following WHS Student Non-Negotiables:

The Woodland Way

- Arrive to class on time
- No cell phone usage (including air pods, headphones, etc.) inside the classroom
- Submit all assignments to the teacher on time
- Adhere to the 20-20 rule
- Adhere to the WHS Dress Code

Cell Phone Use:

Cell phones can only be used as directed by the teacher or supervising adult. Please refer to the WHS Cell Phone Classroom Contract for complete details.

Make-up Work Policies:

Please refer to page 11 of the Henry County Student Handbook.

Late Policy: Students have **1 school day** with no penalty for submitting late practice assignments. Students will then have **1 additional school day** to receive a max score of 73.

School-wide Grading Requirements are as follows (semester grading):

Students will receive one-half credit per semester upon successful completion. Grades reset for the spring semester.

Category weights are as follows:

Practice/Quizzes	40%
Assessments/Projects	40%
Final exam	20%

****Grades for each 9-week grading period should include a minimum of the following: 3 Tests/Projects, 3 Quizzes/Extended Problem-Solving Tasks, and 9 Practice grades.**

Academic Integrity Policy:

Academic integrity is a fundamental value of quality education; therefore, Woodland High School will not tolerate any acts of cheating, plagiarism, or falsification of school work. Should it be determined that an academic integrity violation has taken place, the school reserves the right to assign a grade of zero and submit a disciplinary referral to the appropriate Assistant Principal. The school also reserves the right to remove or suspend enrollment in any Advanced Placement/Honors classes as well as Academic Honor Societies.

Materials Needed: Chromebook, composition notebooks, graphing papers, loose-leaf papers, binders, pencil, and TI-84 calculator.

Technology Information:

If you experience technical issues, please use the launchpad to access Technology Services Incident IQ to report your issue.

About AP Exam:

Section I: Multiple Choice

40 Questions | 2 Hours | 62.5% of Exam Score

- Part A: 28 questions; 80 minutes; 43.75% of exam score (calculator not permitted)
- Part B: 12 questions; 40 minutes; 18.75% of exam score (graphing calculator required)

Section II: Free Response

4 Questions | 1 Hour | 37.5% of Exam Score

- Part A: 2 questions; 30 minutes; 18.75% of exam score (graphing calculator required)
 - Free-Response Question 1: Function Concepts
 - Free-Response Question 2: Modeling a Non-Periodic Context
- Part B: 2 questions; 30 minutes; 18.75% of exam score (calculator not permitted)
 - Free-Response Question 3: Modeling a Periodic Context
 - Free-Response Question 4: Symbolic Manipulations

The contents of this syllabus is subject to change.

STUDENT/PARENT CONSENT OF UNDERSTANDING:

I have read and understand all of the objectives, requirements, and expectations for AP Precalculus course.

Student name (PLEASE PRINT)

Class Period

Student signature

Date

Parent signature

Date