

**Dorchester County Public Schools  
Mathematics Syllabus**

**TEACHER'S NAME:** MR. P. ALBERT

**ROOM NUMBER:** A210

**EMAIL:** albertp@dpsmd.org

**CLASS LENGTH:** 90 minutes

**Class Title:**  
Pre-Calculus

**Course Description:**

This course, designed for students who intend to pursue careers in mathematics and engineering, focuses on trigonometry but also covers some topics from Algebra III and introduces topics that prepare students for calculus. Trigonometry topics include the study of angles, the six trigonometric functions, right triangle trigonometry, trigonometric identities, applications, exponential and logarithmic functions, graphing techniques of sinusoidal waves, and analytic geometry. Prerequisites: Algebra II and Geometry.

**Units of Study:**

- Unit 1: Functions and Their Graphs
- Unit 2: Polynomial and Rational Functions
- Unit 3: Exponential and Logarithmic Functions
- Unit 4: Trigonometric Functions
- Unit 5: Analytic Trigonometry
- Unit 6: Additional Topics in Trigonometry

**Grading Policy:**

All grading will be according to the county policy percent scale:

90-100%	= A
80-89%	= B
70-79%	= C
60-69%	= D
Below 60%	= E

Formative assessments, or assessments that are embedded as part of daily instruction, account for 40% of a student's grade. Examples of formative assessments include class work, group work, exploratory labs, exit tickets, and draft essays. Summative assessments account for 60% of a student's grade. A summative assessment occurs after instruction has been completed on a given topic, standard, or unit. Summative assessments are used to determine what students know, understand and are able to do at one point in time. Examples of summative assessments include unit tests, announced quizzes, major projects, essays, tests, lab projects, and final exams.

**Expected Student Behaviors:**

In Dorchester County Public Schools all students are expected to:

- Engage in learning activities and take school work seriously
- Be courteous
- Attend school regularly, on time, and prepared to learn
- Cooperate with others
- Take responsibility for their own behavior
- Complete assignments on time
- Speak appropriately
- Exhibit self-control
- Behave ethically

**Student Mission Pledge:**

I will finish my program of study and become college and career ready!