

Central High School  
**Precalculus**  
Carol Davidson

**Course Syllabus 2011-2012**

**Course Description:** This course will include a study of functions, their graphs and applications of the functions. The type of functions covered will be: linear, quadratic, polynomial, exponential, logarithmic and trigonometric. The properties of reflection, symmetry, translations and inverses will be applied to these functions. The six trig functions will be studied and applied to graphs, simple equations, inverses and the unit circle.

**Required class materials:** 3-ring binder, loose-leaf paper, pencils, dividers, book cover, scientific calculator. (A graphing calculator would be a benefit to the student)

**Text:** Advanced Mathematics (Precalculus with discrete math and data analysis)  
(McDougal Littell)

**Course Outline:**

- 1) Linear Functions
- 2) Quadratic Functions
- 3) Polynomial Functions
- 4) Inequalities
- 5) Properties of Functions
- 6) Exponents
- 7) Logarithms
- 8) Trigonometry

**Grading:** Daily homework, daily quizzes, chapter tests, binders/folders at the end of each chapter, attendance.

**Classroom Routine:** Check the agenda on the board, have homework questions ready when the bell rings, answer homework questions and collect homework, present new material, assignment given, daily quiz, guided study.

**Make-up work:** It is the student's responsibility to stop by my room and pick up a make-up work form when absent. The student must be prepared for the next class session, which includes getting notes and making up any missed quizzes/tests.

**Contact Information:** I arrive at school by 7:30 am and am available after school. My e-mail address is: [cdavidson@cusd4.org](mailto:cdavidson@cusd4.org) and can be reached by phone at 815-694-2321.