

Central High School  
**Calculus**  
Carol Davidson

**Course Syllabus**

**Course Description:** This course will include a study of functions, limits, the techniques of finding derivatives and integrals as well as the applications of derivatives and integrals. The course is equivalent to the first semester of calculus at the college level.

**Required class materials:** 3-ring binder, loose-leaf paper, pencils, dividers, book cover, scientific calculator.

**Text:** Calculus Graphical, Numerical, Algebraic (Pearson Prentice Hall)

**Course Outline:**

- 1) Review of Trigonometry
- 2) Review of Functions
- 3) Limits and Continuity
- 4) Derivatives (Techniques)
- 5) Applications of Derivatives
- 6) Integrals
- 7) Applications of Integrals

**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.