

**COURSE NUMBER:** 905  
**COURSE TITLE:** Advanced Chemistry  
**COURSE LENGTH:** Year, Two Credit  
**PREREQUISITE:** At least a B in Chemistry, Algebra II w/instructor approval  
**GRADE LEVEL:** 12

**COURSE DESCRIPTION:**

AP Chemistry is aimed at the students planning to go into a health/science related career and will be taking many science classes in college.

**COURSE RATIONALE:**

This class is designed for the students planning to take the AP Chemistry test for college credit. Even if the student doesn't pass the college exam, the concepts learned will greatly improve their success in college chemistry.

**METHOD OF INSTRUCTION:**

This class is divided between lab, lecture, and small group work.

**ASSESSMENT:**

The grade will be heavily dependent on assignments, quizzes, and labs. The only test will be the AP exam. Many practice opportunities for the test will be given.

**CRITICAL OBJECTIVES:**

1. to be able to balance "normal" chemical equations
2. to be able to predict the products of reactions
3. to be able to balance oxidation reduction reactions
4. to be able to use stoichiometry to solve chemical problems
5. to be able to recognize and use lab equipment effectively
6. to be able to write lab reports in correct format
7. to be able to develop a lab using the correct lab equipment and procedure