

**PENSACOLA JUNIOR COLLEGE
DISTRICT COURSE SYLLABUS**

**GENERAL CHEMISTRY I
CHM1045**

Credit Hours:	3 college credit hours
Contact Hours:	3 hours lecture per week
Laboratory Fee:	No
Prerequisite:	CHM1025 Introduction to College Chemistry or high school chemistry
Corequisite:	MAC1105 College Algebra, CHM1045L General Chemistry I Lab
Catalog Description:	A modern survey of basic principles in chemistry with emphasis on scientific measurement, atomic and molecular structure, periodic properties, chemical reactions, stoichiometry, and kinetic molecular theory of gases. Mastery of basic algebra skills is essential for successful completion of this course. Meets A.A. general education category VII.
Required Textbook:	<u>General Chemistry</u> , Ebbing, D, Houghton Mifflin, 6th Edition, 1999.
Supplemental Materials:	Additional materials may be assigned by an instructor to supplement the required textbooks.
Special Requirements:	None
Major Learning Outcomes:	<ol style="list-style-type: none">1. Name and develop formulas for chemical compounds.2. Solve a variety of chemical problems using equations and/or dimensional analysis.3. Read, write, balance and interpret a chemical equation.4. Be familiar with the laws and theories relating to the behavior of gases.5. Have a basic understanding of energy as it relates to chemical and other processes.6. Have a basic understanding of the laws and theories relating to the structure of the atom and how this relates to the Periodic Table.

7. Have a basic understanding of molecular structure and bonding.

Specific Performance

Objectives:

See expanded syllabus developed by the instructor for each section being taught.

Methods of Evaluation:

Evaluation of student progress towards achieving stated learning outcomes and performance objectives is the responsibility of the instructor, within the policies of the college and the department. Detailed explanation is included in the expanded syllabus developed by the instructor for each section being taught.