

Print Date: 7/17/14
Course Objectives/Course Outline
Spokane Community College

Course Title: General Chemistry with Lab III
Prefix and Course Number: CHEM& 163

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Explain chemistry principles
- Solve problems
- Recognize chemical principles and facts
- Perform laboratory experiments

Course Outline:

- I. Chemistry Principles and pertinent facts related to:
 - A. Solids and Liquids
 - B. Solution Properties
 - C. Chemical Kinetics
 - D. Chemical Equilibrium
 - E. Acids and Bases
 - F. Solubility Equilibria
 - G. Thermodynamics
 - H. Electrochemistry
 - I. Nuclear Chemistry
 - J. Coordination Chemistry
 - K. Environmental Chemistry
 - L. Organic Chemistry
 - M. Biochemistry
 - N. Modern Materials
 - O. Other chemistry topics of interest
- II. Solving problems by using chemical principles and facts
- III. Recognizing how chemical principles and facts apply to related areas of study
- IV. Performing laboratory experiments using:
 - A. Chemical concepts
 - B. Recording observations
 - C. Gathering and analyzing data
 - D. Presenting results in written form