WILMINGTON UNIVERSITY
COLLEGE OF ARTS & SCIENCES
BASIC COURSE INFORMATION

COURSE NUMBER   CHE 261

COURSE TITLE   General Chemistry I (With Lab)

CREDITS   4

PREREQUISITE   None

CO-REQUISITE   Related Environmental Science & Policy course.

FACULTY MEMBER

TERM

METHOD OF CONTACT/ OFFICE HOURS

COURSE TIME BREAKDOWN

      64 Hours of Structured Learning Activities

TEXTBOOKS
*A list of course textbooks are available on the Wilmington University Bookstore website:
http://bookstore.wilmu.edu/

COURSE DESCRIPTION:
This is the first chemistry course in the Environmental Science and Policy based general chemistry sequence. It is intended for Environmental Science and Policy Major as well as related disciplines who need a chemistry based, introductory level course.

COURSE OBJECTIVES:

This course will provide students with the knowledge and skills to:

1. Utilize scientific reasoning to solve problems. Apply the scientific method and critical thinking skills to draw logical conclusions based on the analysis of scientific data. Demonstrate the collection, analysis and reporting of data using the scientific method. Apply scientific laws, principles and methods to real-world processes

2. Understand basic chemistry concepts and applications in relation to daily activities. Understand the foundational concepts in Chemistry; Metric system measurements, Significant figures, Scientific notation, Temperature conversion on SI-Units. Understand the underlying skills in measurements & problem solving, atoms, elements, compounds, and chemical compositions. Understanding solutions, acid and base. Apply the knowledge of measurements, acid and base titrations, in laboratory experiments.

3. Apply the concepts of chemical formulas using the periodic table. Learn how to write and balance equations. How to obtain different information from the periodic table like ionization energy, electronic configurations, how the elements are arranged in the periodic table. Learn different