Global Learning Semesters
Course Syllabus
Course: CHEM-160A Introduction to Chemistry II
Department: Biomedical Sciences
Host Institution: University of Nicosia, Nicosia, Cyprus

Course Summary		
Course Code	**Course Title**	**Recommended Credit Hours**
CHEM-160A	Introduction to Chemistry II	3
Semester Offered	**Contact Hours**	**Prerequisites**
Spring	56	CHEM-150A Introduction to Chemistry I
Department	**Level of Course**	**Language of Instruction**
Biomedical Sciences	Lower Division	English

Course Description

This class is a continuation of CHEM-150A. Topics include orbital hybridization, thermo chemistry, intermolecular forces, solubility and colligative properties, chemical kinetics and the theory of chemical equilibria, acid-base and other aqueous equilibria, electrochemistry and an introduction to organic chemistry. A regular laboratory program and workshops on special topics place the class material into perspective.

Instructor

Dr. Photos Hajigeorgiou

Course Aims and Objectives

To introduce students to the general principles of theoretical and experimental chemistry, to develop strong problem-solving skills and competence in the analysis of experimental data.

Teaching Methods

The course is delivered through a mixture of lectures supported by transparencies, data analysis tutorial sessions, and assignments involving practical applications of theory.

Course Teaching Hours

56 hours (42 hours lectures + 14 hours data analysis tutorials)

Evaluation and Grading

Analysis Reports:	25%
Tests:	40%
Final Exam:	35%

Readings and Resources

Required Textbooks
Chemistry the Central Science, Ninth Edition by T.L. Brown, H.E. Lemay, B.E. Bursten and J.R. Burdge, Prentice Hall, 2003.
Intercollege Chemistry 160 Lecture Notes, by P.G. Hajigeorgiou.

Recommended Reading
Chemistry The Molecular Science, Second Edition, J. Olmsted III and G.M. Williams, WCB Publishers, 1997.