

# SYLLABUS

CHEMISTRY 108  
SECTION 01

GENERAL CHEMISTRY II  
11:00 am - 11:50 am, MTWTh

SPRING 1998  
CNSB 243

Instructor: Dr. Stephen Fox, CNSB 205, tel: 342-1838, e-mail: chfox@alpha.nlu.edu  
Office Hours: 9:00 am - 11:00 am, MW; 2:00 pm - 5:00 pm, WTh, or by appointment  
Text: *Chemistry, The Study of Matter and Its Changes*  
Second Edition, Brady and Holum

<u>Chapter</u>	<u>Topics</u>	<u>Tests (date)</u>
13,14	Thermodynamics Kinetics	#1, 100 pts (2/12/98)
15,16	Equilibrium Acids and Bases	#2, 100 pts (3/12/98)
17,18,19	Solubility/Equilibria Electrochemistry Metal Complexes	#3, 100 pts (4/23/98)
20,21 Comprehensive	Nuclear Chemistry Organic Chemistry	#4, 200 pts (5/7/98) 3:00 pm - 4:50 pm

## Grading:

85.0 - 100%	425-500 pts	A
75.0 - 84.9%	375-424 pts	B
60.0 - 74.9%	300-374 pts	C
50.0 - 59.9%	250-299 pts	D
0.00 - 49.9%	0-249 pts	F

The four tests will comprise various types of questions, including matching, descriptions, and calculations. A calculator, therefore, is required, and it should feature logarithms, exponents, reciprocals, etc.. Sharing of calculators will not be permitted during a test. The topics shown above for the tests #1, #2, and #3 are a general guideline; for instance, some material from Chapter 15 might be on Test #1, depending on what is covered in the available time. The three 100 point tests, and the Final, all count toward the final grade; that is to say, the lowest score will not be dropped. The Final (test #4, 200 points) will be thoroughly comprehensive, and not biased toward any particular material; the grade of the Final (test #4) will count as the overall grade if it is better than the average of tests #1, #2, and #3. Grades will be assigned from a composite score from 500 possible points. As shown above, tests 1-3 (50 minutes) are scheduled for *approximately* every four weeks of regular class time; test 4 (1 hour and 50 minutes) is scheduled during Finals Week. Make-up tests will only be given at the end of the semester, and only for excused absences; an excused absence requires authentic documentation.

## Objectives:

To utilize the foundation of matter and its origins introduced in Chem 107, and add on first the elementary ideas of thermodynamics, kinetics, and equilibrium, then those of electrochemistry, metal-complexes, nuclear chemistry and organic chemistry to complete the General chemistry picture.