

CHEMISTRY 210 – Section 3
General Chemistry I

Lecture: 2:00-2:50 p.m., MWF; Faraday Hall 143

Fall 2011

Recitation: R9, 11:00-11:50 a.m., W, FR. 205; **R10**, 3:00-3:50 p.m., W, FR. 205

R11, 4:00-4:50 p.m., W, FR. 205; **R12**, 5:00-5:50 p.m., W, FR. 205

Text: “*Principles of General Chemistry*”, 2nd Edition, by Silberberg, McGraw Hill (2010)

Instructor: Dr. Chhiu-Tsu Lin, LaT 323; Tel. 753-6861; e-mail: ctlin@niu.edu

Office Hours: 10:00-10:50 a.m., MTuWThF; or by appointment

TENTATIVE LECTURE SCHEDULE

<u>Week</u>	<u>Chapter/Topics</u>	<u>Quiz/Exam*</u>
Aug. 22-26	Introduction and Ch. 1: Keys to the Study of Chemistry	
Aug. 29-Sept. 2	Ch. 2: The Components of Matter	Quiz 1 (8/31)
Sept. 5-9	Ch. 2/3: Stoichiometry of Formulas and Equations	
	<u>September 5 (Labor Day)</u>	
Sept. 12-16	Ch. 3: Stoichiometry of Formulas and Equations	Exam #1 (9/16)
Sept. 19-23	Ch. 3/4: Major Classes of Chemical Reactions	
Sept. 26-30	Ch. 4: Major Classes of Chemical Reactions	Quiz 2 (9/28)
Oct. 3-7	Ch. 5: Gases and the Kinetic-Molecular Theory	
Oct. 10-14	Ch. 5/6: Thermochemistry	Exam #2 (10/14)
Oct. 17-21	Ch. 6: Thermochemistry – Energy Flow and Chemical Change	
Oct. 24-28	Ch. 7: Quantum Theory and Atomic Structure	Quiz 3 (10/26)
Oct. 31-Nov. 4	Ch. 7: Quantum Theory and Atomic Structure	
Nov. 7-11	Ch. 8: Electron Configuration and Chemical Periodicity	Exam #3 (11/11)
Nov. 14-18	Ch. 9: Models of Chemical Bonding	Quiz 4 (11/16)
Nov. 21-25	Ch. 9/10: The Shape of Molecules	
	<u>Nov. 23 – Nov. 27 (Thanksgiving Break)</u>	
Nov. 28-Dec. 2	Ch. 10/11 Theories of Covalent Bonding	Exam #4 (12/2)

Final Exam: Monday, December 5, 2:00-3:50 p.m. (Final is comprehensive and mandatory)

All exams are mandatory, unless prior arrangements have been made with the instructor! There will be no make-up exams!

Grading: Hour Exams	300 pts.*
Final Exam	200 pts.
Recitation	100 pts.**
	600 pts.

* Each hourly exam is worth 100 pts. The lowest hourly exam score will be dropped!

** **Recitation is mandatory!** (See revise side for the recitation schedule)

Grading Scale: >90% = A, 80-89% = B, 70-79% = C, 60-69% = D, < 59% = F

Note: Any student who may need an accommodation due to disability, please see me when convenient. A letter from Disability Support Service authorizing your accommodations is usually needed before accommodations can be granted.

RECITATION SCHEDULE

Recitation TA: Ms. Kimberly Henderson, LaT 320; e-mail: z1623748@studentsniu.edu

Office Hours: will be announced at recitation section; or by appointment

The recitation grade will be based on the following factors:

Attendance	2 pts./class x 14 classes	= 28 pts.
Homework	3 pts. each x 10 assignments	= 30 pts.
Quizzes#	<u>11 pts. each x 4 quizzes</u>	= <u>44 pts.</u>
	Total	= 102 pts.

Quizzes will be administered in recitation during the weeks indicated in the lecture schedule

Tutor Room FR 246

MTuWTh 8:30 a.m. – 3:30 p.m.

Friday 8:30 a.m. – 1:00 p.m.

Recommended Problems

(All Sample Problem and Follow-Up Problem in each chapter)

Chapter 1: 3, 5, 14, 18, 25, 31, 33, 39, 44, 46, 52, 54, 59, 64, 73

Chapter 2: 3, 4, 7, 12, 16, 26, 28, 34, 39, 41, 47, 53, 64, 68, 72, 78, 83, 87, 98

Chapter 3: 2, 7, 11, 14, 17, 21, 23, 25, 27, 31, 37, 39, 43, 48, 50, 58, 70, 72, 75, 79, 83

Chapter 4: 4, 7, 11, 12, 16, 20, 23, 25, 28, 38, 42, 44, 49, 53, 56, 59, 62, 67, 69, 72, 88, 90

Chapter 5: 2, 5, 7, 9, 13, 17, 23, 25, 33, 38, 40, 45, 47, 51, 56, 60, 63, 65, 77, 101

Chapter 6: 3, 5, 7, 10, 13, 15, 22, 28, 31, 35, 39, 42, 44, 46, 48, 53, 55, 58, 63, 81

Chapter 7: 2, 4, 9, 11, 13, 19, 23, 25, 31, 35, 37, 42, 44, 46, 48, 51, 59

Chapter 8: 6, 8, 10, 11, 15, 18, 21, 23, 25, 30, 32, 33, 38, 40, 42, 48, 53, 55, 59, 63, 69

Chapter 9: 1, 4, 8, 10, 14, 16, 20, 24, 28, 30, 33, 36, 39, 45, 51, 53, 58

Chapter 10: 1, 3, 5, 9, 11, 15, 19, 24, 28, 31, 32, 33, 38, 41, 45, 50, 52, 54, 61

Chapter 11: 2, 5, 7, 12, 17, 19, 21, 24, 29, 35, 37, 40, 43, 49