

**Course Schedule and Second Set of Homework
Assignments for Chem 115, Spring 2008**

Assignment #	Corresponding lectures & topics discussed	Discussion sections where discussed	Text book problems	ACS guide problems
6 ^{***}	Mar 4 & 6 Molarity Redox reactions Acid-base reactions Solution stoichiometry	Fri Mar 7 Tues Mar 11 Thurs Mar 13	Ch. 4: 23, 24 [∞] , 28 [∞] , 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 63, 65, 69, 77, 79 Additional practice problems on chemical reactions	p. 107 #LC-9; p. 111 #16 p. 34 #SM-9; p. 39 #16, 17 p. 24 #ST-6; p. 29 #23, 24 pp. 79-80 #ER-1, ER-3 p. 85 #1, 2, 3, 5
7	Mar 11 & 13 Temperature, kinetic & potential energy Work and heat Endothermic & exothermic processes	Fri Mar 14 Tues Mar 25 Thurs Mar 27	Ch. 5: 1, 6, 17, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 45	p. 43 #EN-1 pp. 49-50 #4, 5, 7
8	Mar 25 & 27 Calorimetry and Hess's law Electromagnetic radiation & waves Hydrogen spectrum explanation by Bohr model & Rydberg equation	Fri Mar 28 Tues Apr 1 Thurs Apr 3	Ch. 5: 51, 53, 57, 59, 61, 63, 65, 71, 75 Ch. 6: 2, 9, 11, 13, 17, 19, 23, 27, 33, 35, 37	pp. 45-46 #EN-5, EN-6 pp. 49-52 #1, 2, 3, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 p. 3 #AS-7; p. 8 #25, 26
9	Apr 1 (Exam 2 on Apr 3) Review for Exam 2 Exam 2 covers up through section 6.4	Fri Apr 4 Tues Apr 8 Thurs Apr 10	No homework. Use discussion time to go over exam and begin doing the next homework assignment.	
10	Apr 8 & 10 Quantum mechanics: atomic orbitals and electron configurations Ionization energy of atoms and ions	Fri Apr 9 Tues Apr 15 Thurs Apr 17	Ch. 6: 5, 8, 15, 19, 21, 25, 27, 29, 33, 35, 37, 47, 49, 51, 53, 59, 61, 63, 67, 71, 73, 75, 90	pp. 3-5: #AS-6, 8, 9, 10 pp. 7-8 #17, 18, 19, 20, 21, 22, 23, 24, 27

^{***} Please note that Assignments 5 and 6 have been merged. Since the exam was postponed and there were discussion sections that did not happen due to weather and more, this will allow the new Assignment 6 to be covered at Discussion 6 on March 7, 11 and 13.

[∞] Solutions to non-red text problems assigned from text book will be linked on website