

**Course Schedule and Homework Assignments for Chem 116, Fall 2008**

Assignment #	Corresponding lectures & topics discussed	Discussion sections where discussed	Text book problems	ACS guide problems
6	Oct 7 & 9 Factors affecting solubility Mathematics of solution concentrations Colligative properties Factors affecting reaction rates	Tues Oct 14 Thurs Oct 16	Ch. 14: 1, 2, 3, 5, 11, 13, 15, 19 and at Discussion finish going over ch. 13 problems from previous homework	p. 55 #DY-1 p. 56 #DY-3 p. 60 #1, 2 and 3 p. 61 #5, 6, 7 and 8 p. 62 #9, 10, 12, 13
7	Oct 14 & 16 Rate laws Collision model Reaction mechanisms Nuclear decay	Tues Oct 21 Thurs Oct 23	Ch. 14: 23, 25, 29, 33, 35, 43, 45, 49, 51, 53, 55, 59, 61, 63, 65, 67  Ch. 21: 4, 7, 8, 9, 11, 19, 27, 31, 33, 35, 39	p. 56 #DY-2 p. 57 #DY-4 p. 58 #DY-5 and 6 p. 59 #DY-7 and 8 p. 60 #DY-10 p. 61 #4, 6, 7 p. 62 #11 p. 63 #14 through 19 p. 64 #20, 21, 22, 25 p. 65 #26, 27, 28 and 29
8	Oct 21 & 23 Equilibrium constants, form & calculations Reaction quotients Setting up and using ICE tables to solve equilibrium problems	Tues Oct 28 Thurs Oct 30	Finish going over Assignment #7 in preparation for Exam #2, and provide introduction for Assignment #8 which will mainly be discussed at Discussion 9 next week  Ch. 15: 23, 37, 41, 43, 47, 49, 51, 53, 59, 62, 80	p. 70 #EQ-6 p. 71 #EQ-7 and 8 p. 75 #9, 10, 11 and 12 p. 76 #13, 14, 15, 16, 17 and 18 p. 77 #21
9	Oct 29 Le Chatelier's principle Energy profiles of reactions  Oct 31 Exam #2 covers chapters 13, 14 and 21 (Assignments 4, 5, 6 and 7)	Tues Nov 4 Thurs Nov 6	Ch. 16: 1, 15, 17, 19, 27 and at Discussion finish going over Assignment #8 (ch. 15) homework problems	p. 70 #EQ-6 p. 71 #EQ-7 and 8 p. 75 #9, 10, 11 and 12 p. 76 #13, 14, 15, 16, 17 and 18 p. 77 #21