

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

Discussion #	Corresponding lectures & topics discussed	Discussion sections where discussed	Text book problems	ACS guide problems
11	Apr 15 & 17 Using effective nuclear charge and quantum number n to explain periodic trends: atomic & ionic radius, ionization energy, electron affinity	Fri Apr 18 Tues Apr 22 Thurs Apr 24	Ch. 7: 9, 21, 25, 27, 29, 33, 35, 37, 41, 45, 55, 57, 65, 69, 91	pp.94-97: #DP-6, 7, 8, 9 and 10 pp. 99-101: #13 through 30
12	Apr 22 & 24 Bonding: ionic vs. covalent and in between The electronegativity model Lewis structure model Extensions of the Lewis model: resonance, beyond octets	Fri Apr 25 Tues Apr 29 Thurs May 1	Ch. 8: 2, 5, 7, 11, 17, 21, 23, 29, 33, 37, 39, 45, 47, 49, 53, 61, 65, 67, 69, 84	pp. 11-14: #MS-1, 2, 5, and 6 pp. 16-19: #11, 18, 19, 22, 23, 24, 25, 28, 29, and 30
13	Apr 29 (Exam 3 on May 1) Review for Exam 3	Fri May 2 Tues May 6 Thurs May 8	No homework. Use discussion time to go over Exam 3 and begin doing the assignment that goes with Discussion 14	
14	May 6 & 8 Molecular shapes predicted by Lewis structure model VSEPR model Connecting the electronegativity model and the Lewis structure model to predict molecular polarity Valence bond theory Molecular orbital theory	Fri May 9 Tues May 13 No school May 15 Students enrolled in Thursday discussion please attend either May 9 or 13	Ch. 9: 3, 6, 15, 17, 19, 21, 23, 25, 27, 31, 35, 37, 39, 43, 47, 51, 53, 55, 76, 79	pp. 12-15: #MS-3, 4, 7, 8, 9, and 10 pp. 15-19: #1-10, 12-17, 21, 22, 25, 26 and 27 p. 44 #EN-3 pp. 49-50: #6, 8 and 9
	May 13 Course review			