

**CHEMISTRY 0120      SPRING 2018      EBBING/GAMMON TEXT (11th Edition)**  
**PROFESSOR MICHAEL GOLDE: 803B Chevron, x48390, golde@pitt.edu**  
**Lecture: MWF at 11am; Blackboard CourseWeb: 2184-10273 Section 1060**

<u>WEEK</u>	<u>MONDAY DATE</u>	<u>CHAPTER</u>	<u>SUBJECT</u>	<u>HOMEWORK PROBLEMS**</u> (Due following week the day before recitation)	<u>EXPERIMENT</u>
1	1/8/18	4, 15	Acids and Bases	2/17,18. 4/2,5,15,17,19a-m,33ad,34ab,43cd. 9/29,30,77bc. 15/3,6,29,30,31bc,32bcd,36d.	CHECK IN 1. Intro. To Graphing
2	1/15, no M	14	Equilibrium	14/4,18b-e,20,21,24,33,34,41,42,46,50acd,55ad,57,60,66,68,69	2. Chromatography
3	1/22	15 16	Acids and Bases Acid-Base Equilibria	14/8,62,74a,103ab. 17/46. 15/1,10,13,20a-g,26,28 15/34acd,36ac,52abd,54abc,66,72ab,76. 16/38.	3. Freezing Points
4	1/29	16	Acid-Base Equilibria	4/27b. 15/47ac. 16/12,13,14,34ab,35,(38),50, 16/54,56,60acd,64,68,75,82,105,122a,125ab.	4. Absorption Spectra
5	2/5	18	Thermodynamics	Titration: 16/31,32,86. <b>Review:</b> 14/28,104. 15/85bcd,98,102. 16/25,26,116,127a. See Hints sheet for <b>EQu.</b> 5.1	5. Equilibrium Study
6	2/12	4. Sec 5,6 <b>EXAM I</b>	Redox <b>Chap 4; 14; 15; 16</b>	<b>Therm:</b> 6/6,17,18,21. 18/1,8,13,15,17,25abc,26ade 18/42,43ab,46,48,60,67,68,74abc,82,108.	6. Redox Titration
7	2/19	19	Electrochemistry	4/58,59ad,64,65 19/1,2,13,22,42ace,44,46,54,65,70,75,76,87,99,106.	7. Acids and Bases
8	2/26	19 20	Electrochemistry Nuclear	19/14,17,20,61-63,83,93,95,96,98,114ab. See Hints sheet for EQu. 8.1,2,3.	8. Acid-Base Titration
	3/5	<b>SPRING BREAK</b>			NO LAB
9	3/12	21.1,7-12	Descriptive: Nonmetals	<b>Nuclear:</b> 2/26a-i. 20/4,16,18,26,31,34,40,42,81,97. EQu. 9.1 <b>Descriptive:</b> 2/135,141. 4/106. 8/19,81,82. 9/13. 21/2,40,150	9. Solubility of KHT
10	3/19	6.9 21;1,2,4,6	Fossil Fuels Descriptive: Metals	8/20. 15/38,41a,44. 16/57,59abd. 21/5,10,11,31,41,43,44 21/61,77,93,98,104be,108,110. 22/1	10. Electrochemistry
11	3/26	10.5-7 21.3 [8ed 13.5]	Mol. Orbital Theory Metals: Band Theory	<b>Coord Compounds:</b> 17/22. 22/11,27,31,37bcd,44cd. <b>Review:</b> 6/117. 18/3,16,127. 19/32,66. 20/86,87. 21/15,140	11. Redox Reactions
12	4/2	<b>EXAM 2</b> 13	<b>Chap 18;19;20;21</b> Kinetics	<b>MO Theory</b> 10/8,11,14,16,59,74,75. 21/87. 22/8,62. <b>Kinetics</b> 13/6,7,8,34,46,48,54. 14/24.	12. Rates of Reactions
13	4/9	13	Kinetics	13/11,17,18,20,56,58,64,76,78,84,92,94,110.	13. Complex Ions
14	4/16	17.1,3,5	Solubility Review	17/3,8,20,25cd,26,28ad,29,45,64	Lab Exam; CHECK OUT

**FINAL EXAM (Cumulative): Tuesday April 24, 2018, 2:00 – 3:50 pm**

\*\* Any extra assignments, including Sapling problems, will be detailed on the weekly Homework Hints sheets