

Chemistry 40 Lecture Schedule

Glenn, Spring 2009

<i>Date</i>	<i>Reading</i>	<i>Lecture Topics</i>
1/13	Ch1, Ch2	Quantitative Reasoning and Problem Solving
1/20	Ch2	Measurement, Units, Uncertainty in Measurement, Significant Figures <i>(HW1 DUE)</i>
1/27	Ch1, Ch3	Quiz 1 What is chemistry? What is matter? Elements, Compounds & Mixtures <i>(HW2 DUE)</i>
2/3	Ch4 Handout	The Nuclear Atom: What is an Atom? Atomic Number and Atomic Mass Electron Shell Model: How are electrons arranged? <i>(HW3 DUE)</i>
2/10	Handout	Quiz 2 Covalent Bond, Covalent Compounds, Lewis Structures <i>(HW4 DUE)</i>
2/17	Handout Ch6	Nomenclature Chemical Reactions <i>(HW5 DUE)</i>
2/24		Exam 1 (Ch1–Ch6) <i>then more about</i> Chemical Reactions (Ch7) <i>(HW6 DUE)</i>
3/3	Ch8	The Mole Concept Moles and Quantitative Reasoning <i>(HW7 DUE)</i>
3/10	Ch8 Ch9	Quiz 3 Empirical and Molecular Formulas Stoichiometry: Moles, Mass and Chemical Equations <i>(HW8 DUE)</i>
3/17	Ch9 Ch10	Limiting Reactants, Percent Yield Energy (sections 10.1-10.6 only) <i>(HW9 DUE)</i>
3/24	Ch11	Exam 2 (Ch7–Ch9) <i>then</i> Introduction to Modern Atomic Theory (Ch11) <i>(HW10 DUE)</i>
3/31		No class Tuesday (but we do have lab on Thursday!) <i>(HW11 DUE IN LAB!)</i>
SPRING BREAK 4/4 – 4/12		
4/14	Ch12 Handout	Chemical Bonding: A Closer Look <i>(HW12 DUE)</i>
4/21	Ch14	Quiz 4 Intermolecular Forces, States of Matter, Phase Changes, Energy Requirements <i>(HW13 DUE)</i>
4/28	Ch15	Solutions: Solubility, Concentration, Dilution Solution Stoichiometry <i>(HW14 DUE)</i>
5/5	Ch16	Exam 3 (Ch10-12, Ch14-15) <i>then</i> Acids and Bases (Ch16) <i>(HW15 DUE)</i>
5/12	Ch13	Gas Properties: Pressure, Volume, Temperature Gas Laws, Gas Stoichiometry and Problem Solving <i>(HW16 DUE)</i>
FINAL EXAM (All Topics) Tuesday, May 19th, 6-9 PM, Room S255 <i>(HW17 DUE)</i>		