CHEM 32 - GLENN **LECTURE SCHEDULE** SPRING 2009

The list below will give you a general idea of the topics and pace that you can expect in Chem 32. Note that we will not be covering chapter 1 during the lecture, but you will be expected to know the material on metric units, unit conversions, precision, and temperature (sections 1.1, 1.2, 1.3, 1.4 and 1.7). This material will be covered in the laboratory.

Date	***Topics and sections in the textbook***
Mon. 1/12	Elements, atoms, subatomic particles (2.1-2.4)
Wed. 1/14	Isotopes, formulas, electron shells, valence electrons (2.5-2.9) - **Quiz**
Mon. 1/19	*HOLIDAY (MLK Birthday Observance)*
Wed. 1/21	Covalent bonds (3.1-3.5) - **Quiz**
Mon. 1/26	*HOLIDAY (Lunar New Year Observance)*
Wed. 1/28	Ionic compounds, polyatomic ions (3.6-3.10) - **Quiz**
Mon. 2/2	Energy, states of matter (4.1-4.3)
Wed. 2/4	Attractive forces, physical properties of matter (4.5) - **Quiz**
Mon. 2/9	Solutions, electrolytes, solubility, percent concentration (5.1-5.5)
Wed. 2/11	Moles, molarity (5.6-5.7) - **Quiz**
Mon. 2/16	*HOLIDAY (Washington Birthday Observance)*
Wed. 2/18	Osmosis, dilution (5.8, 5.10) - **Quiz**
Mon. 2/23	Chemical equations, mass relationships (6.1-6.3)
Wed. 2/25	**EXAM 1 (Chapters 1, 2, 3, 4 and 5)**
Mon. 3/2	Energy relationships, reaction rates, equilibrium (6.4, 6.6-6.7)
Wed. 3/4	pH, acids, bases (7.1-7.4) - **Quiz**
Mon. 3/9	Acid-base reactions, amphiprotic molecules (7.5-7.6)
Wed. 3/11	Buffers (7.7-7.8) - **Quiz**
Mon. 3/16	Linear and branched alkanes, cycloalkanes (8.1-8.4)
Wed. 3/18	Alkenes, alkynes, aromatic compounds (8.5-8.9) - **Quiz**
Mon. 3/23	Hydration, dehydration, alcohols, phenols and thiols (9.1-9.6)
Wed. 3/25	Oxidation, reduction, aldehydes and ketones (10.1-10.4) - **Quiz**
Mon. 3/30	Carboxylic acids, redox coenzymes, pathways (10.5-10.7)
Wed. 4/1	**EXAM 2 (Chapters 6, 7, 8, 9 and 10.1-10.5)**
4/4 - 4/12	*SPRING BREAK*
Mon. 4/13	Reactions of organic acids, organic bases, amines (11.1-11.3)
Wed. 4/15	Reactions of amines, structure and pH (11.4-11.6) - **Quiz**
Mon. 4/20	Condensations, esters, ethers, amides, phosphates (12.1-12.3)
Wed. 4/22	Hydrolysis, pH dependence (12.4-12.6) - **Quiz**
Mon. 4/27	Amino acids, peptide bonds, protein structure (13.1-13.4)
Wed. 4/29	Enzymes, cofactors, amino acid sources (13.5-13.7) - **Quiz**
Mon. 5/4	Monosaccharides, optical isomers, glycosidic bonds (14.1-14.3)
Wed. 5/6	**EXAM 3 (Chapters 11, 12 and 13)**
Mon. 5/11	Polysaccharides, fatty acids, triglycerides (14.4-14.6)
Wed. 5/13	Membrane lipids, steroids, dietary sources (14.7-14.9)
Mon. 5/18	**FINAL EXAM (1:30-4:30, Room TBA) – all chapters**

Other important dates in Chem 32:

February 6 (Friday): last day to drop Chem 32 without receiving a "W"
April 16 (Thursday): last day to withdraw from Chem 32