

Chem460A Fall 2009 Approximate Schedule

<u>Week</u>	<u>Dates</u>	<u>Topic</u>	<u>Reading</u>	<u>Lab Experiment</u>	<u>Evaluation</u>
1	8/31, 9/2, 9/4	Thermodynamics & Intermolecular Forces	Chapters 1 & 2	No lab	
2	9/9, 11	Acids & Bases	Chapter 2	Check-In, Buffers	Quiz-1 (Wed)
3	9/14, 16, 18	Amino Acids & Sugars	Chapters 4 & 8	pK _a of 4-Nitrophenol	
4	9/21, 23, 25	Lipids & Nucleic Acids	Chapters 3, 23 & 9	Fumarase	Quiz 2 (Mon)
5	9/28, 9/30, 10/2	Peptides & Proteins	Chapter 6	Fumarase	Exam-1 (Wed)
6	10/5, 7, 9	Protein Structure & Stability	Chapter 6	Fumarase/Writing workshop	
7	10/12, 14, 16	Protein Folding and Analysis Methods	Chapters 6 & 5	Modeling Protein Structure	Quiz 3 (Mon)
8	10/21, 23	Protein Analysis cont'd	Chapter 5	No Lab	
9	10/26, 28, 30	Protein-Ligand Interactions	Chapter 7	Purification of Lysozyme	Quiz-4 (Mon)
10	11/2, 4, 6	How Enzymes Catalyze Reactions	Chapter 11	Purification of Lysozyme	Exam-2 (Wed)
11	11/9, 11, 13	Catalytic Mechanisms	Chapter 11	Mass Spectrometry of Proteins	
12	11/16, 18, 20	Kinetic Analysis	Chapter 12	Kinetic Analysis of Lactase	Quiz-5 (Mon)
13	11/23	Inhibitors	Chapter 12	No Lab	
14	11/30, 12/2, 4	Drug Development	Assorted	Kinetic Analysis of Lactase	Quiz-6 (Mon)
15	12/7, 9	Wrap-Up		No Lab	Exam-3 (Tues)

Final Exam: Friday, Dec. 18, 8am