

Schedule of Lectures and Labs (Tentative)						Readings	Chem 4842 Lab
Chem 4842K							
Spring Classes begin January 7, 2009							
Day 1	January	8	Th	Review Biochem I concepts, Intro to Biochem II, Viruses		V&V Ch. 1, 33	Week 1: No Lab
Day 2		13	Tu	Cells, Compartmentalization		V&V Ch. 1, 12	Week 2: Check-in
Day 3		15	Th	Lipids, Lipid Metabolism I		V&V Ch. 12, 25	Project 1: Molecular cloning, protein expression, and purification
Day 4		20	Tu	Lipid Metabolism II		V&V Ch. 25	
Day 5		22	Th	Lipid Metabolism III		V&V Ch. 25	
Day 6		27	Tu	Cell Surface, Structural Proteins		V&V Ch. 25	
Day 7		29	Th	Transport		V&V Ch. 20	
Day 8	February	3	Tu	Signalling		V&V Ch. 19	
Day 9		5	Th	Energy Metabolism		V&V Ch. 27	
Day 10		10	Tu	Exam I			
Day 11		12	Th	Nucleic Acid Metabolism		V&V Ch. 28	
Day 12		17	Tu	Nucleic Acid Metabolism		V&V Ch. 28	
Day 13		19	Th	DNA Replication, Repair, Recombination		V&V Ch. 30	
Day 14		24	Tu	Transcription		V&V Ch. 31	
Day 15		26	Th	Translation		V&V Ch. 32	
Day 16	March	3	Tu	Chromosome Organization and Function		V&V Ch. 34	Project 2: Characterization of proteins
Day 17		5	Th	Model Systems in Genetics Research		Handouts	
Day 18		10	Tu	Recombinant DNA Technology		Handouts	
Day 19		12	Th	Exam II			
Spring Break March 16-20, 2008							
Day 20		24	Tu	Recombinant DNA Technology		Handouts	
Day 21		26	Th	Amino Acid Metabolism		V&V Ch. 26	
Day 22		31	Tu	Amino Acid Metabolism		V&V Ch. 26	
Day 23	April	2	Th	Glycogen Metabolism		V&V Ch. 18	
Day 24		7	Tu	Photosynthesis		V&V Ch. 24	
Day 25		9	Th	Special Topics/Presentations (2)			Special Topics/Presentation (3)
Day 26		14	Tu	Special Topics/Presentations (2)			
Day 27		16	Th	Exam III			Check-out/Clean-up
Classes End, Monday, April 20							
Review Day, April 21							
Finals, April 22-25, 2008							
Text: Biochemistry. Voet and Voet, 3rd ed.							

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