

Chem 452: Biochemistry I - Fall 2011

Tentative Lecture & Exam Schedule

Date			Topics	Chapter
M	W	F		
Unit I: Introduction				
SEPTEMBER			Lecture 1 - Key Concepts In Biochemistry with a Focus on Nucleic Acids.	1
	7	9		
12	14			
Unit II: Proteins				
		16	Lecture 2 - Protein Composition and Structure	2
19	21	23		
Unit III: Proteins in Action				
26	28		Lecture 3 - Hemoglobin: A Case Study of Protein Structure-Function Relationships	7
		30	Exam I	Units I & II
OCTOBER				
3			Lecture 3 - Hemoglobin: A Case Study of Protein Structure-Function Relationships (con'd)	7
	5	7	Lecture 4 - Enzymes: Basic Concepts and Kinetics	8
10	12			
		14	Lecture 5 - Catalytic Strategies	9
17	19			
		21	Lecture 6 - Regulatory Strategies	10
24	26			
Unit IV: Carbohydrates and Lipids				
		28	Lecture 7 - Carbohydrates	11
31				
NOVEMBER			Exam II	Unit III
	2			
		4		
			Lecture 7 - Carbohydrates (con'd)	11
7	9	11	Lecture 8 - Lipids & Cell Membranes	12
Unit V: Biochemistry of Complex Systems				
14	16		Lecture 9 - Membrane Channels & Pumps	13
		18	Exam III	Unit IV
21			Lecture 9 - Membrane Channels & Pumps	13
	23		Lecture 10 - Signal Transduction Pathways	14
		25	Thanksgiving Break	
28	30		Lecture 10 - Signal Transduction Pathways (con'd)	14
DECEMBER			Lecture 11 - Molecular Motors	35
5	7			
		9	Exam IV	Unit V
12			Lecture 11 - Molecular Motors	35
	14		Review	
			Final Exam (TBA)	Units I-V