

Date	Day	Reading	Topics
Jan	5 M	Chap 1	Handouts & Course Overview
	7 W	Chap 2	Amino Acids: Acid & Base Behaviors, pKa's
1	9 F	Chap 2	Protein Structure and Function
	12 M	Chap 4	Exploring Proteins: Experimental Methods
	14 W	Chap 8	Nucleic Acids Introduction; Replication
2	16 F	Chap 8	Flow of Genetic Information: Transcription
	19 M	Holiday	
	21 W	Chap 8	Flow of Genetic Information: Translation
3	23 F	Chap 9	Genetic code; Antibiotic Inhibitors of Translation
	26 M	Chap 9	Exploring Nucleic Acids
4	28 W	Chap 3	Hemoglobin & Myoglobin
	30 F	Chap 3	Mechanisms of Oxygen Transport
Feb	2 M	Review Chapters 2-9	
	4 W	1st EXAM Chapters 2-9 (2/4-2/7 Tracy Hall Testing Center)	
5	6 F	Chap 5	Enzymes: Kinetics; M&M Equation
	9 W	Chap 5	Enzyme Inhibition: Competitive & Non-competitive
	11 W	Chap 6	Enzyme Catalytic Mechanisms
6	13 F	Chap 7	Enzyme Mechanisms & Applications in Industry
	16 M	Holiday	
	18 W	Chap 10	Regulation of Enzymes: Zymogens
7	20 F	Chap 10	Enzymatic Pathways in Blood Clotting
	23 M	Chap 11	Carbohydrates
8	25 W	Chap 11	Carbohydrates
	27 F	Chap 12	Lipids: Types and Structures
Mar	2 M	Spring Break	
	4 W	Spring Break	
9	6 F	Spring Break	
	9 M	Chap 12	Membranes: Fluid-like Structure and Composition
	11 W	Chap 15	Intro. to Metabolism; Vitamins and Minerals
10	13 F	Chap 15	Vitamins and Minerals
	16 M	Review for exam	
	18 W	2nd EXAM Chapters 8-12,15 (3/18-3/21 Tracy Hall Testing Center)	
11	20 F	Chap 16	Glycolysis
	23 M	Chap 16	Metabolic Fates of Pyruvate: Anerobic Fermentation
	25 W	Chap 16	Alcohols: Toxicity, Biological Effects, Metabolism
12	27 F	Chap 17	Citric Acid Cycle
	30 M	Chap 17	Citric Acid Cycle
Apr	1 W	Chap 18	Mitochondrial Oxidation
13	3 F	Chap 18	Oxidative Phosphorylation
	6 M	Chap 18	ATP Synthesis & Transport: Accounting
	8 W	Chap 20	Pentosphosphate Pathway; the Role of NADPH
14	10 F	Chap 21	Glycogen Metabolism
	13 M	Chap 22	Fatty Acid Oxidation
	15 W	Chap 22	Fatty Acid Synthesis
15	17 F	Review (Chapters16-22) and Conclusions	
	20 M	Independent Study & Review	
Apr	21 T	FINAL EXAM - Tuesday, 7:00-9:00 am, Lecture Classroom	