Professor Christine Hrycyna

CHM333: Principles of Biochemistry
Spring 2013

Pratt & Cornely: *Essential Biochemistry 2nd Edition*

TOPIC		READINGS
	Always include the Closer Look and Clinical Notes Boxes in each Chapter	
1.	**Introduction/Cell Structure**	**Ch. 1 – all sections**
2.	**Aqueous Chemistry and Buffers**	**Ch. 2 – all sections**
3.	**Amino Acids**	**Ch. 4 – section 4.1**
4.	**Protein Structure and Function**	**Ch. 4 – sections 4.2 – 4.4**
5.	**Techniques in Protein Chemistry**	**Ch. 4 – section 4.5**
6.	**Protein Function**	**Ch. 5 – all sections**
7.	**Enzymes**	**Ch. 6 – all sections**
8.	**Enzyme Kinetics and Inhibition**	**Ch. 7 – all sections**
9.	**Lipids and Membranes**	**Ch. 8 – all sections**
10.	**Membrane Transport**	**Ch. 9 – sections 9.1 – 9.3**
11.	**Carbohydrates & Glycoproteins**	**Ch. 11 – all sections**
12.	**Energy and Metabolism**	**Ch. 12 – all sections**
13.	**Glycolysis**	**Ch. 13 – section 13.1**
14.	**Glycogen, Gluconeogenesis and the Pentose Phosphate Pathway**	**Ch. 13 – sections 13.2 – 13.4**
15.	**Citric Acid Cycle**	**Ch. 14 – all sections**
16.	**Fatty Acid Oxidation**	**Ch. 17 – section 17.1**
17.	**Oxidative Phosphorylation and Electron Transport**	**Ch. 15 – all sections**

Chapter 19 is also required reading and will be incorporated throughout Lecture Topics 12 – 16:
"Regulation of Mammalian Fuel Metabolism"