CHEM 3812 - Biochemistry - Membranes & Metabolism  
MWF, 11 am-11:50 am, Olin Hall, room 103

Prerequisite: CHEM 3811

Instructor: Dr. Mansy  
office: SGM 251  
email: smansy@du.edu

Book: Lehninger: principles of biochemistry, 5th ed.  
supplemental: Voet & Voet, Biochemistry

You are required to know everything that is discussed in class and assigned in the text book.

No class on Jan 19

Topics
- amino acids and proteins (chapter 3)  
- carbohydrates (chapter 7)  
- lipids (chapter 10)  
- biological membranes and transport (chapter 11)  
- bioenergetics (chapter 13)  
- glycolysis, gluconeogenesis, and the pentose phosphate pathway (chapter 14)  
- principles of metabolic regulation: glucose and glycogen (chapter 15)  
- citric acid cycle (chapter 16)  
- oxidative phosphorylation (chapter 19)

cumulative exams (100 points each)  
exam 1: Jan 26, 2009  
exam 2: Feb 16, 2009  
exam 3: Mar 9, 2009

mini-seminar (100 points)  
dates will be announced after the first exam

total points: 400

grading:  
A: 90-100% (will not be curved)  
B - D: depends on class average  
F: < 50% (regardless of the curve)