

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)