

CHEM 3812: Biochemistry – Membranes and Metabolism

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Office Hours: By appointment.

Text: Biochemistry, Fifth Edition, Berg, Tymoczko, and Stryer, W. H. Freeman and Company, 2002.

Course Content

Topics	Chapter
Carbohydrates	11
Lipids/Cell Membranes	12
Membrane Channels and Pumps	13
Basic Concepts of Metabolism	14
Glycolysis	16
The Citric Acid Cycle	17
Oxidative Phosphorylation	18
Photosynthesis	19
Signal Transduction	15
Sensory Systems	32
Molecular Motors	34

Quizzes and Class Participation: Two in-class quizzes, each worth 40 points plus 40 points for participation in other in-class activities.

Quiz 1: Friday, January 17, 2003

Quiz 2: Friday, February 14, 2003

Hour Exams: Two in-class hour exams, each worth 125 points

Exam I: Friday, January 31, 2003

Exam II: February 28, 2003

Final Exam: ½ new materials and ½ cumulative, worth 130 points.

10:30am-12:15pm Wednesday, March 19, 2003

Total Points = 2(quizzes) + Participation + 2(Exams) + Final
= 2(40) + 40 + 2(125) + 130
= 500 points

Holiday: Martin Luther King Day January 20, 2003