Lecturer: Dr. Frank Deis, Nelson A-311, phone 732-445-2814, deis@rci.rutgers.edu. 
Office hours Tuesday 12:15 to 2:15, other days by chance. 
MBB Page: http://www.rci.rutgers.edu/~molbio/

Also required, "Companion" by Gumport et al. (2006). 
Book website http://www.whfreeman.com/stryer

Schedule (classes meet from 10:00 AM to 11:50):

July 7 Ch. 1 Biochem, Evolving Science 
July 8 Ch. 2 Protein Composition & Structure 
July 9 Ch. 3 Exploring Proteins & Proteomes 
July 10 Ch. 4 DNA, RNA, Genetic information 

July 14 Ch. 6 Exploring Evolution & Bioinformatics 
July 15 Ch. 7 Hemoglobin – a Protein in Action 
July 16 Ch. 8 Enzymes, 11 Carbohydrates 
July 17 Ch. 12 & 13 Lipids and Membranes, Channels & Pumps 

July 21 **TEST 1 in ARC-103** 
July 22 Ch. 14 Signal Transduction 
July 23 Ch. 15 Metabolism -- cofactors, energy 
July 24 Ch. 16 Glycolysis and Gluconeogenesis 

July 28 Ch. 17 Citric Acid Cycle 
July 29 Ch. 18 Mitochondria 
July 30 Ch. 20 and 21 Pentose Phosphate and Glycogen 
July 31 Ch. 22 Fatty Acid Metabolism 

Aug. 4 **TEST 2 in ARC-103** 
Aug. 5 Ch. 23-25 Urea Cycle, assorted "nitrogen metabolism" 
Aug. 6 Ch. 5 Exploring Genes & Genomes 
Aug. 7 Ch. 28 DNA Replication & Repair 

Aug. 11 Ch. 29 RNA Synthesis and Processing 
Aug. 12 Ch. 30 Protein Synthesis 
Aug. 13 reading day 

Aug. 14 **FINAL EXAM (Thursday) in ARC-103**

Examinations will be based on material presented in lecture. You should therefore take 
careful notes in class. This should be reinforced and clarified by homework (optional) and 
reading assignments in the text. 
If a bona fide illness or emergency cause you to miss an exam, please call Dr. Deis at 
732-445-2814 or leave a message at 732-445-3979 within 24 hours or you could be given a zero 
on the test. There will be an *automatic markdown* on all make-ups taken for any reason. 
Review sessions will be conducted by Piya Ghose, piyaghose@gmail.com