
694:301, Section H1
Index Number 90014

Summer, 2005
SEC-118

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

Recommended, "Companion" by Gumport et al. (2002).
Optional -- Montgomery, "Biochemistry: Case Oriented" (pre-meds!)
Please visit book website http://www.whfreeman.com/biochem5

Schedule (classes meet from 10:15 AM to 12:00 noon):

July 11  Ch. 1 and 2 Prelude, Biochem Evolution
July 12  Ch. 3 Protein Structure & Function
July 13  Ch. 4 Exploring Proteins
July 14  Ch. 5 DNA, RNA, Genetic information

July 18  Ch. 7 Exploring Evolution
July 19  Ch. 8 Enzymes & Kinetics
July 20  Ch. 10 and 11: Hemoglobin and Carbohydrates
July 21  Ch. 12 & 13 Lipids and Membranes, Channels & Pumps

July 25  TEST 1 in SEC-118 & SEC-205
July 26  Ch. 14 Metabolism -- cofactors, energy
July 27  Ch. 15 Signal Transduction
July 28  Ch. 16 Glycolysis and Gluconeogenesis

Aug.  1  Ch. 17 Citric Acid Cycle
Aug.  2  Ch. 18 Mitochondria
Aug.  3  Ch. 20 and 21 Pentose Phosphate and Glycogen
Aug.  4  Ch. 22 Fatty Acid Metabolism

Aug.  8  TEST 2 in SEC-118 & SEC-202
Aug.  9  Ch. 23-25 Urea Cycle, assorted "nitrogen metabolism"
Aug. 10  Ch. 6 Exploring Genes
Aug. 11  Ch. 27 DNA Replication & Repair

Aug. 15  Ch. 28 RNA Synthesis and Splicing
Aug. 16  Ch. 29 Protein Synthesis
Aug. 17  reading day

Aug. 18  FINAL EXAM (Thursday) in SEC-111

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
445-2814 or leave a message at 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 Donna Walker, ddwalker03@yahoo.com