

MMBB 380 - Extra Hour - Fall 2007
5:30-6:20 PM - Wednesdays - LSS 277
Lecture Topics & Homework Assignments

Week	Date	Lecture Topic	Homework Assignment	Due Date
1	Aug 22	Organization & Acid-Base Equilibria	#1 Acid/Base/Amino Acids	Aug 29
2	Aug 29	Amino Acids	#2 Amino Acids; Analysis	Sept 05
3	Sept 05	Protein Analysis	-None-	-----
4	Sept 12	AA Sequence Dictates 3D Structure	-None-	-----
5	Sept 19	Free Energy & Thermodynamics	#3 Free Energy & Thermo	Sept 26
6	Sept 26	Enzyme Kinetics	#4 Enzyme Kinetics (40,000 pts)	Oct 03
7	Oct 03	TBA	-None-	-----
8	Oct 10	Molecular Motors	#5 Molecular Motors	Oct 17
9	Oct 17	Metabolism & Energy Balance	#6 Energy Balance	Oct 24
10	Oct 24	Pentose Phosphate Pathway	-None-	-----
11	Oct 31	Isotopes in Biochemistry	#7 Isotopes	Nov 07
12	Nov 07	Oxidation/Reduction	#8 Oxidation/Reduction	Nov 12*
13	Nov 14	Chemiosmotic Theory	-None-	-----
<i>Fall Recess - No Class</i>				
14	Nov 28	Cholesterol & Friends	-None-	-----
15	Dec 05	Nucleic Acids or Review	-None-	-----

Each homework assignment must be turned in no later than the beginning of the extra hour (5:30 PM) on the due date to be considered for grading. *The one exception will be homework #8 which will be due on 12:00 Noon on Monday, Nov 12 so that the key can be posted before Exam 4 (Nov 14). Homework can, of course, be turned in prior to each deadline. Each assignment is worth 20,000 points except for enzyme kinetics (#4) which will be worth 40,000 points. Each student's lowest 20,000-point homework will be dropped; HWK #4 will not be dropped.

Useful, but not mandatory, textbook – if you plan to spend significant time working at the bench in a life science research lab or taking additional biochemistry courses, this is an excellent resource that has withstood the test of time.

“Biochemical Calculations,” 2nd Ed, Irwin H. Segel. 1976. John Wiley & Sons. ISBN:0-471-77421-9
 Available at Amazon.com for \$ 48.67 (July, 2007); as low as \$12.00 for used copies.
 One copy is on 2 hr reserve at the UI library.