

Biochemistry Lecture I
25th 2011

Summer session #2

July 18th - August

Class: M/W: 1:30 P.M. -4.30 P.M. Wheatley -1-0064

Text: Voet D., Voet J. G., Pratt C. W., Fundamentals of Biochemistry Life at the Molecular Level, 3 edition, John Wiley & Sons, Inc., New York, 2008 (ISBN: 978-0470-12930-2). 3-ring binder version.

Prerequisite: Bio 111 and Chem 254 (or Chem 252+256). If you do not have this prerequisite, you will have trouble following this course.

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Office Hours: Monday/Wednesday 11:00 a.m. -1:00 p.m. and by appointment

Course website:

<http://alpha.chem.umb.edu/chemistry/biochm383/>

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Homework: Selected practice problems may be assigned regularly during the class.

Absence policy and exams: Attendance to class is compulsory. Four hourly exams and a cumulative final exam are scheduled for the semester. The lowest score from the four hourly exams will be dropped. There are no make-up exams. Your missed hourly exam will be your dropped exam. In case of any serious problem, contact us in advance.

. Grading:

	%	Grade
The final grade is based on the three best hourly exams (3X100 points total), and the final exam (200 points total). The grade equivalences are as follows: <i>Points Earned</i>		
500-450	>90	A
449-430	>86	A-
429-410	>82	B+
409-390	>78	B
389-370	>74	B-
369-350	>70	C+
349-330	>66	C
329-310	>62	C-
309-290	>58	D+
289-270	>54	D
269-250	>50	D-
below 250	<50	F

Accommodation:

Section 504 of the Americans with Disabilities Act of 1990 offers guidelines for curriculum modifications and adaptations for students with documented disabilities. If applicable, students may obtain adaptation recommendations from the Ross Center for Disability Services, (Campus Center, Floor 02, Room 02010, Phone: 617-287-7430). The student must present these recommendations and discuss them with each professor within a reasonable period, preferably by the end of Drop/Add period.

Proposed class schedule: (subject to change, excluding exam dates)

<u>Date</u>	<u>Topic</u>	<u>Chapters</u>
July 18 th Monday Classes begin	Introduction to the Chemistry of Life, Water, Nucleotides,	1, 2, 3
July 21th Thursday	Add/Drop deadline	
July 20 th Wednesday class 2	Nucleic Acids, and Genetic Information continued, amino acids and proteins primary structure	3, 4, 5
July 25 th Monday class 3	Examination 1. Proteins: Three-Dimensional Structure: Protein Structure, function Myoglobin and Hemoglobin, Muscle Contraction, and Antibodies	6, 7
July 27 th Wednesday Class 4	Enzymatic Catalysis	11
Aug 1 st Monday Class 5	Enzyme Kinetics, Inhibition, and Control Examination 2	12
Aug 12th Friday	Pass/Fail/Withdraw deadline	
Aug 3 rd Wednesday Class 6	Enzyme Kinetics regulation Biochemical Signaling	12, 13
Aug 8 th Monday 7	Carbohydrates Lipids and Biological Membranes,	8, 9,
Aug 10 th Wednesday Class 8	Membrane Transport, Introduction to Metabolism Examination 3	10, 14,
Aug 15 th Monday Class 9	Glucose catabolism, Glycogen Metabolism and Gluconeogenesis	15, 16
Aug 17 th Wednesday Class 10	Citric Acid Cycle	17
Aug 22 nd Monday Class 11	Electron transport and oxidative phosphorylation, Examination 4	18
Aug 24 th Wednesday	FINAL EXAMINATION	

Student Conduct and Academic Honesty:

Students are required to adhere to the University Policy on Academic Standards and Cheating, to the University Statement on Plagiarism and the Documentation of Written Work, and to the Code of Student Conduct. The Code is available online at:

http://www.management.umb.edu/undergrad/undergrad_code_of_conduct.php#top

Another site to help you define plagiarism is <http://www.lib.umb.edu/cheating>

Please, also refer to the following sites for further UMB policies:

http://www.umb.edu/students/student_rights/index.html

http://www.umb.edu/student_affairs/code.html

<http://www.umb.edu/academics/undergraduate/office/policies.html>