Biochem 384 **Biochemistry Lecture II** **Spring 2009**

Objective: In the second part of the two semester sequence, topics from metabolism, gene expression & replication and special areas of biochemistry will be discussed.
Class: M/W/F 10:00 a.m. - 10:50 a.m. in McCormack M02-0423.
Prerequisite: BIOCHM 383 and BIOL 210/212.
Text:
Primary textbook: Voet D., Voet J. G., Pratt C. W., Fundamentals of Biochemistry Life at the Molecular Level, 3rd edition, John Wiley & Sons, Inc., New York, 2008 (ISBN: 978-0-470-12930-2 or 978-0-470-27989-2).
Additional recommended textbook: Berg, J. M., Tymoczko, J. L., Stryer, L.; Biochemistry, 6th edition, W. H. Freeman: New York, 2006 (ISBN: 0-7167-8724-5).
Instructor:
Dr. Marianna Torok
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Office Hours: Wed 11:00 a.m.-12:00 p.m. & Fri 13:00 p.m.-15:00 p.m.
Course website:
http://alpha.chem.umb.edu/chemistry/biochm383/

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

Date	Topic	Chapter
JAN 26 M	Announcements	
JAN 28 W	Electron Transport and Oxidative Phosphorylation	18
JAN 30 F	Electron Transport and Oxidative Phosphorylation	18
FEB 2 M	Electron Transport and Oxidative Phosphorylation	18
FEB 4 W	Photosynthesis	19
FEB 6 F	Photosynthesis	19
FEB 9 M	Photosynthesis	19
FEB 11 W	Lipid Metabolism	20
FEB 13 F	Lipid Metabolism	20
FEB 16 M	*Presidents Day (Holiday)*	
FEB 18 W	**Exam #1**	
FEB 20 F	Lipid Metabolism	20
FEB 23 M	Lipid Metabolism	20
FEB 25 W	Amino Acid Metabolism	21
FEB 27 F	Amino Acid Metabolism	21
MAR 2 M	Amino Acid Metabolism	21
MAR 4 W	Amino Acid Metabolism	21
MAR 6 F	The Integration & Regulation of Metabolism	22
MAR 9 M	The Integration & Regulation of Metabolism	22
MAR 11 W	**Exam #2**	
MAR 13 F	Nucleotide Metabolism	23
MAR 14-22 (Sa-Su)	*Spring Vacation*	
MAR 23 M	Nucleotide Metabolism	23
MAR 25 W	Nucleic Acid Structure	24
MAR 27 F	Nucleic Acid Structure	24
MAR 30 M	DNA Replication, Repair, and Recombination	25
APR 1 W	DNA Replication, Repair, and Recombination	25
APR 3 F	DNA Replication, Repair, and Recombination	25
APR 6 M	Transcription and RNA Processing	26
APR 8 W	Transcription and RNA Processing	26
APR 10 F	**Exam #3**	
APR 13 M	Protein Synthesis	27

Date	Topic	Chapter
APR 15 W	Protein Synthesis	27
APR 17 F	Protein Synthesis	27
APR 20 M	*Patriots Day (Holiday)*	
APR 22 W	Regulation of Gene Expression	28
APR 24 F	Regulation of Gene Expression	28
APR 27 M	Sensory Systems	
APR 29 W	Sensory Systems	
MAY 1 F	**Exam #4**	
MAY 4 M	Molecular Motors	
MAY 6 W	Molecular Motors	
MAY 8 F	Drug Development	
MAY 11 M	Drug Development	
MAY 13 W	Review	
MAY 14-17 (Tu-Su)	*Study Period*	
MAY 18-22 (M-F)	***Final Exam Period***	

Homework:
Selected practice problems will be posted on the course website regularly.

Exams:
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 problems, contact me in advance.

Grading:
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:

Points Earned	*%*	*Grade*
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

Additional information:

- Students who require special accommodations in order to complete the course requirements must contact the Ross Center (Campus Center, Floor 02, Room 02010, Phone: 617-287-7430).
- 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