

Lectures: T Th 9:30 – 10:45 a.m., FW 201

Instructor: Oliver Hofstetter

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Office hours: T W 10:50 – 11:50 a.m., or by appointment

Required text: Lehninger “Principles of Biochemistry;” any of the following editions may be used: 4th ed., Freeman (2004/2005); or 5th ed., Freeman (2008).

Recommended Study Guide: “The Absolute, Ultimate Guide to Lehninger Principles of Biochemistry, Study Guide and Solutions Manual.”

Tentative Lecture Schedule:

<u>Week Beginning</u>	<u>Chapter</u>	<u>Lecture Topic</u>
January 14	13	Introduction, Principles of Bioenergetics
January 21	14,15	Glycolysis and the Catabolism of Hexoses
January 28	16	The Citric Acid Cycle
February 4	17	Oxidation of Fatty Acids
February 11	18	Amino Acid Oxidation and the Production of Urea
EXAM 1, February 14, 9.30 a.m.-10.45 a.m.		
February 18	19	Oxidative Phosphorylation
February 25	14,15	Carbohydrate Biosynthesis
March 4	21	Lipid Biosynthesis
March 11	Spring Break	
March 18	22	Biosynthesis of Amino Acids, Nucleotides, and Related Molecules
March 25	23	Integration and Hormonal Regulation of Mammalian Metabolism
EXAM 2, March 28, 9.30 a.m.-10.45 a.m.		
April 1	24	Genes and Chromosomes
April 8	25	DNA Metabolism
April 15	26	RNA Metabolism
April 22	27	Protein Metabolism
April 29	28	Regulation of Gene Expression
EXAM 3, May 9, 10.00 a.m.-11.50 a.m.		

Exams: Each exam will be worth 100 points. Exam 3 will occur during the final exam period. Students are encouraged to give a presentation on a selected topic. This presentation is also worth 100 points and may be used to compensate for one exam. Extra credit may be earned through extraordinary participation in class.

Make-up exams: No individual make-up exams will be offered.

Late Policy: Lecture attendance is not mandatory, but highly recommended. In order to provide an undistracted learning environment for students, latecomers will not be allowed to attend class if they are more than 5 minutes late.

Grades: Letter grades will be based on the total points obtained on three exams, or on the total points obtained on two exams and a presentation.

A \geq 90% (300 – 270 points), B 80 – 89% (240 – 269 points), C 70 – 79% (210 – 239 points), D 60 – 69% (180 – 209 points), F < 60% (< 180 points). This scale will not be raised, but it may be lowered.

If you have a disability and may require some type of instructional and/or examination accommodation, please contact me early in the semester so that I can provide or facilitate in providing accommodations you may need. If you have not already done so, you will need to register with the Disability Resource Center (DRC; formerly Center for Access-Ability Resources), the designated office on campus to provide services and administer exams with accommodations for students with disabilities. The DRC office is located on the 4th floor of the University Health Services building (815-753-1303).