

Instructor: Professor Nicole Horenstein, Leigh 402, 392-9859, horen@chem.ufl.edu

Office Hours T, 2-3 PM; W 10-12 PM, Th 9-10 AM in 402 Leigh Hall, or by appointment.

TAs: [Matt Burg](#) and [Jeff Arciola](#). Student TA: [Lauren Suarez](#). Office hours on course website.

Course Description : This course presents basic principles in biochemistry with a structural and mechanistic emphasis derived from organic chemistry. Areas include amino acids, peptides, biomolecular structure, enzyme mechanisms and kinetics, applications and techniques in biotechnology, central metabolism, signaling, and selected topics in biosynthesis.

Prerequisite: You should have passed either CHM 3217 or CHM 2211.

Text: "Lehninger, Principles of Biochemistry", David Nelson and Michael Cox, 6th Edition, WH Freeman and Company (5th edition is OK) Also, "Absolute Ultimate Guide for Lehninger Principles of Biochemistry", ISBN-13: 978-1429294768 is helpful and readily available at Amazon for example. I have also placed these materials on course reserve at Marston Library.

Lectures: T, Th periods 4-5 (10:40-12:35) FLI 50 (Flint Hall). Attendance is not mandatory but in lecture I discuss important topics and draw from lecture material on exams. You are strongly encouraged to attend.

Exams: There will be three hour exams (100 points each) and a final exam (100 points). Your lowest hour exam grade will be dropped in calculating your grade, which will be based on a total of 300 possible course points. If you miss an exam, this will be your drop. The final exam must be taken and is not considered for a drop. Exams will be completed in pen, not pencil.

Grades/Grading Exams will be curved as needed, to a C⁺/B⁻ median. **Scale:** A is 92 and above. A⁻ is 90-91. B⁺ is 86 and above. B is 82 and above. B⁻ is 80-81. C⁺ is 76 and above. C is 72 and above. C⁻ is 70 and above. D⁺ is 65 and above. D is 62 and above. D⁻ is 60 and above. E is below 60. See: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>. *The letter grade of A reflects exemplary work.*

Students with Disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

How to do well: Regular lecture attendance and working the homework problems is a key part of doing well. Plan on at least 3 hours a day of study for this course. I recommend writing out on paper what it is you know and have learned. This practice of *active demonstration of your knowledge* is the kind of thing I ask for on an exam, so study accordingly! Use office hours!

The Honor Pledge: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

Copyright: Any handouts including notes, exams, etc may not be distributed without expressed permission of Professor Horenstein.