

Chemistry 3330**Biochemistry I: Structure & Function**

Instructor:	Chu-Young Kim	Phone:	747-6935
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Class meets:	7:30 am - 8:50 am in Undergraduate Learning Center 116	Office Hours:	Friday 2:00-4:00PM in CCSB 2.0106 (or by appointment)

Scope: A study of the fundamentals of biochemistry including the building blocks of proteins, three-dimensional structure of proteins, protein and enzyme function, nucleic acids, lipids, biological membranes, and biosignaling.

Class Meetings: Please see schedule of classes.

Recommended

Textbook: **Lehninger Principles of Biochemistry, 7th Edition**; Nelson and Cox; W. H. Freeman and Company, New York. (Earlier editions are also ok.)

Review Sessions: Please see schedule of classes.

Course Grading: 25% of final grade – Quiz 1~10 combined (two lowest scores out of ten will be dropped)
50% of final grade – Exam 1~3 combined (one lowest score out of three will be dropped)
25% of final grade – Final exam (will count in entirety)

THERE WILL BE NO MAKE-UP EXAMS OR QUIZZES IN THIS COURSE.

Quizzes are designed to assess whether you have read the assigned article. Each quiz will cover one assigned article. Exams are designed to test your biochemistry knowledge as well as your ability to apply that knowledge. Exam will contain some challenging questions. Exam will cover lecture material only.

Quizzes and exams are closed-book. Cheat-sheets are not allowed.

If necessary, a curve will be applied to the final overall course grade. All requests for reports or extra work will be rejected as this is not fair to others in the class and doesn't accurately reflect your performance in the course. No Grade of Incomplete will ever be given in this class. No student will ever be administratively dropped after the deadline. You need to drop yourself!

Academic dishonesty: Please visit my office to review an exam after it has been given and check for adding/grading errors. Except for clerical errors, re-grade requests will be a reevaluation of the entire exam. Suspected cases or acts of alleged scholastic dishonesty (CHEATING) will be automatically referred to the Dean of Students' Office.

Quiz and exam rules:

- If you arrive late and if someone has already turned in their exam, then you will not be allowed to take the exam. In other words, once someone turns in an exam, no one else can start on an exam.
- Remove baseball caps and all hats
- Listening to music is not allowed! Remove all headphones or ear-buds and put them away.
- Go to the restroom before exam. If you must use the restroom, you will be asked to empty your pockets (leave phone behind) and you will be escorted to and from the restroom by a TA.
- No talking (obviously). **Don't even say bless you if someone sneezes.**
- No sharing of pencils, pens, erasers, calculators. You are to share **nothing** during an exam.
- **No cell phone use during exams.** Phones must be put away in pocket or backpack.
- No looking around at exams of others sitting near you.
- All belongings (especially electronics) must be on the floor and put away out of sight.
- No drinks, cups, food, etc. are allowed on your desk during an exam.
- No cheat-sheets (these will earn you an automatic zero and a trip to the Dean of Students to explain yourself).
- Even suspicious activity (especially with cell phone use) will be dealt with accordingly.

Withdrawal Policy: The last day for you to withdraw from any course with an automatic "W" is listed in the official university calendar. Please note that it is the student's responsibility to officially withdraw from a course before the drop deadline.

Class Attendance: Class attendance is required. If you must miss a class, you need to make a special effort to learn what occurred during your absence from your peers.

Disability: If you have or suspect a disability and need accommodations you should contact Disabled Student Services Office (DSSO) at 747-5148 or at dss@utep.edu or visit Room 106 Union East Building.

Tentative schedule of classes

(We may end up going slower or faster depending on how the class is doing.)

Date	Lecture	Assessment
01/17/2017, T	Chapter 2 – Water	
01/19/2017, R	Chapter 2 – Water	Quiz 1
01/24/2017, T	Chapter 3 – Amino Acids, Peptides, and Proteins	
01/26/2017, R	Chapter 3 – Amino Acids, Peptides, and Proteins	Quiz 2
01/31/2017, T	Chapter 4 – The Three-Dimensional Structure of Proteins	
02/02/2017, R	Chapter 4 – The Three-Dimensional Structure of Proteins	Quiz 3
02/07/2017, T	Review session	
02/09/2017, R		Exam 1
02/14/2017, T	Chapter 5 – Protein Function	
02/16/2017, R	Chapter 5 – Protein Function	Quiz 4
02/21/2017, T	Chapter 5 – Protein Function	
02/23/2017, R	Chapter 6 – Enzymes	Quiz 5
02/28/2017, T	Chapter 6 – Enzymes	
03/02/2017, R	Chapter 6 – Enzymes	Quiz 6
03/07/2017, T	Review session	
03/09/2017, R		Exam 2
03/14/2017, T	No class	
03/16/2017, R	No class	
03/21/2017, T	No class	
03/23/2017, R	Chapter 7 – Carbohydrates and Glycobiology	
03/28/2017, T	Chapter 7 – Carbohydrates and Glycobiology	
03/30/2017, R	Chapter 8 – Nucleotides and Nucleic Acids	Quiz 7
04/04/2017, T	Chapter 8 – Nucleotides and Nucleic Acids	
04/06/2017, R	Chapter 10 – Lipids	Quiz 8
04/11/2017, T	Review session	
04/13/2017, R		Exam 3
04/18/2017, T	Chapter 11 – Biological Membranes and Transport	
04/20/2017, R	Chapter 11 – Biological Membranes and Transport	Quiz 9
04/25/2017, T	Chapter 12 – Biosignaling	
04/27/2017, R	Chapter 12 – Biosignaling	Quiz 10
05/02/2017, T	Chapter 12 – Biosignaling	
05/04/2017, R	Review session	
05/09/2017, T	No class	
05/04/2017, R		Exam 4