

**Chemistry 3330****Biochemistry I: Structure & Function****Instructor:** Chu-Young Kim**Phone:** 747-6935**Office:** CCSB 2.0106**Email:** [ckim7@utep.edu](mailto:ckim7@utep.edu)**Class meets:** TR 7:30-8:50AM, UGLC 116**Office Hours:** Wednesdays 7:30-8:50AM, CCSB 2.0106  
(or by individual e-mail 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.

**Textbook:** Lehninger *Principles of Biochemistry* (7<sup>th</sup> Edition); Nelson and Cox; W. H. Freeman and Company. (Earlier editions are ok. The textbook is recommended but not required.)

**Course Grading:** There will be a total of 29 quizzes. Each quiz will consist of ten multiple choice questions and will be administered at the beginning of the class session via Blackboard. You must use a laptop computer or an iPad to take the quiz. Smartphones will not work. At the end of the semester, your final course grade will be calculated using only your 26 highest quiz scores (three lowest scores will be dropped).

**Quiz rules:**

- Quizzes must be taken in the lecture hall (UGLC116) at the beginning of class by yourself.
- Listening to music is not allowed. Remove all headphones or ear-buds and put them away.
- No talking (obviously).
- 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. People with wondering eyes will be asked to move to another seat.
- All suspected cases or acts of alleged scholastic dishonesty will be referred to the Dean of Students' Office.

**Regarding missed quizzes:**

If you miss three quizzes or less, you do not need to provide any documentation since I will automatically drop your three lowest quiz scores. If you miss more than three quizzes, you must show documentation for all of your absences. For example, if you miss five quizzes in total, then you need to provide me with five official letters (typically from your doctor, a military official, or a UTEP staff). In this case, I will drop your five lowest scores.

Typically, a student with an overall score of 90-100% will receive a letter grade of **A**, 80-89 will receive a **B**, 70-79% will receive a **C**, 60-69% will receive a **D**, and 0-59% will receive an **F**. However, these cutoff marks may be adjusted at the discretion of the instructor if deemed necessary. All requests for 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.

**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. No student will be administratively dropped after the deadline due to poor performance and bad grades.

**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](mailto:dss@utep.edu) or visit Room 106 Union East Building.

### Schedule of classes

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

Date	Lecture	Quiz
1/21, Tuesday	Introduction	
1/23, Thursday	<b>Chapter 3 - Amino Acids, Peptides, and Proteins</b>	Quiz 01 (on Article 1)
1/28, Tuesday	Ch. 3 continued	Quiz 02 (on Article 2)
1/30, Thursday	Ch. 3 continued	Quiz 03 (on Article 3)
2/04, Tuesday	<b>Chapter 4 - The Three-Dimensional Structure of Proteins</b>	Quiz 04 (on <b>Chapter 3</b> )
2/06, Thursday	Ch. 4 continued	Quiz 05 (on Article 4)
2/11, Tuesday	<b>Chapter 5 - Protein Function</b>	Quiz 06 (on <b>Chapter 4</b> )
2/13, Thursday	Ch. 5 continued	Quiz 07 (on Article 5)
2/18, Tuesday	Ch. 5 continued	Quiz 08 (on Article 6)
2/20, Thursday	<b>Chapter 6 - Enzymes</b>	Quiz 09 (on <b>Chapter 5</b> )
2/25, Tuesday	Ch. 6 continued	Quiz 10 (on Article 7)
2/27, Thursday	Ch. 6 continued	Quiz 11 (on Article 8)
3/03, Tuesday	<b>Chapter 7 - Carbohydrates and Glycobiology</b>	Quiz 12 (on <b>Chapter 6</b> )
3/05, Thursday	Ch. 7 continued	Quiz 13 (on Article 9)
3/10, Tuesday	Ch. 7 continued	Quiz 14 (on Article 10)
3/12, Thursday	(Quiz only)	Quiz 15 (on <b>Chapter 7</b> )
3/16 to 3/20	Spring Break	
3/24, Tuesday	<b>Chapter 8 - Nucleotides and Nucleic Acids</b>	Quiz 16 (on Article 11)
3/26, Thursday	Ch. 8 continued	Quiz 17 (on Article 12)
3/31, Tuesday	Ch. 8 continued	Quiz 18 (on Article 13)
4/02, Thursday	<b>Chapter 10 - Lipids</b>	Quiz 19 (on <b>Chapter 8</b> )
4/07, Tuesday	Ch. 10 continued	Quiz 20 (on Article 14)
4/09, Thursday	Ch. 10 continued	Quiz 21 (on Article 15)
4/14, Tuesday	<b>Chapter 11 - Biological Membranes and Transport</b>	Quiz 22 (on <b>Chapter 10</b> )
4/16, Thursday	Ch. 11 continued	Quiz 23 (on Article 16)
4/21, Tuesday	Ch. 11 continued	Quiz 24 (on Article 17)
4/23, Thursday	<b>Chapter 12 - Biosignaling</b>	Quiz 25 (on <b>Chapter 11</b> )
4/28, Tuesday	Ch. 12 continued	Quiz 26 (on Article 18)
4/30, Thursday	Ch. 12 continued	Quiz 27 (on Article 19)
5/05, Tuesday	Ch. 12 continued	Quiz 28 (on Article 20)
5/07, Thursday	(Quiz only)	Quiz 29 (on <b>Chapter 12</b> )