

Instructor:	Ricardo Bernal	Phone:	747-6918
Office:	CCSB 2.0406	Email:	rbernal@utep.edu
Class Meets:	TR 7:30-8:50am UGLC 128	Office Hrs.:	TR 9:00-10:00 am CCSB 2.0406 or by appt.

There is a **NO FOOD OR DRINK** policy for the UGLC classrooms, labs, and auditoriums

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

Class Meetings: As listed in the schedule of classes,

Required Materials:

- **Lehninger Principles of Biochemistry 6th Ed.**; Nelson and Cox; W. H. Freeman and Company, New York
- **I>Clicker REEF Polling account (<http://reef-education.com>) and a wi/fi enabled device (phone or tablet)** will be required for all quizzes. Forgotten device or lack of charge will not be a valid excuse for missed quizzes!!!!

Review Sessions: There will be NONE unless we are ahead in the material and there is extra time for one. Questions should be addressed in class or office hrs.

Course Grading: Final grades in the course will be determined using scores on quizzes and exams. A straight average of the four exams (count 80% of final grade) plus the overall quiz average (counts 20% of final grade) will determine the final grade. A curve may or may not be applied to the final class average and is at the discretion of the instructor. Begging for a grade change at the end of the semester is highly discouraged as this will not work. Your grade is in your hands and only you can change it by studying and doing well. 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. All exams must be completed during the regular semester.

No student will ever be administratively dropped after the deadline. You need to drop yourself!

Quizzes and Exams: **THERE WILL BE DAILY ICLICKER QUIZZES** (cumulatively contribute 20% towards final grade) and 4 Exams (80% toward final grade).

Quizzes: There will be a quiz given at the start and end of every lecture that will also serve as a record of attendance. FURTHERMORE, additional quizzes will be given during the lecture. In other words, there may be an unlimited number of quizzes during the lecture.

- *There has been a problem in the past with cheating on iclicker quizzes with some people using up to five clickers to answer questions for their friends. I consider submitting votes for a fellow student to be cheating and a violation of the University Honor Code. If you are caught voting for another student or have votes in a class that you did not attend, you will receive a zero for all quizzes and will be reported to the Dean of Students for academic dishonesty (cheating will show up on your transcript forever!)*
- *If you see someone voting with multiple devices, please report them to the instructor immediately and can be done so anonymously.*

Exams: All exam grades count and **NO EXAM WILL BE DROPPED** - Everything counts!

** Unexcused & Missed exams and quizzes count as a ZERO! **

Exams are designed to test your ability to apply the principles and concepts of biochemistry to new and unfamiliar situations. **THERE WILL BE NO MAKE-UP TESTS/EXAMS OR QUIZZES IN THIS COURSE.**

Studying for exams: **Warning! Exams are difficult and require a lot of study and review of material. If you do not study from the textbook, you WILL do poorly in this course. Memorization of material is a very bad strategy in this course.**

Absences: Only a documented excused absence will be considered. If you miss an exam or daily quiz you must present a written document proving you could not be present. Missed exams or quizzes that have a University recognized excuse will be dropped and will not count toward the overall course grade.

Course Curve: A curve will be applied to the final overall course grade if necessary to bring the overall class average to 75%.

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.

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 restroom before exam. If you must go to 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 talking or joking during an exam.
- Try not to disrupt those around you after you finish an exam.
- No looking around at exams of others sitting near you. People with wondering eyes will be asked to move to another seat.
- 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. No student will be administratively dropped after the deadline due to poor performance and bad grades.

Class Attendance: Class attendance is required. Attendance will be routinely taken in the form of daily quizzes. Students are responsible for attending lecture regularly and knowing what takes place during classes. This includes not only the material covered in the class, but also all announcements, handouts, changes in the syllabus, etc. *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.

REEF Polling by i>clicker

I will be using REEF Polling by i>clicker in class this term. REEF Polling helps me to understand what you know, gives everyone a chance to participate in class, and allows you to review the material after class. I will use REEF Polling to keep track of attendance. Participation with REEF Polling will account for 20% of your final grade. You will need to create a REEF Polling account to vote in class using your laptop, smart phone, or tablet connected to the university's Wi-Fi (UTEP-secure).

Creating Your REEF Polling Account

Go to <http://reef-education.com> or **download the REEF Polling app** for Android or iPhone/iPad to sign up for a REEF Polling account. You should use your university email address and ID in the Student ID field. If you need to change your email address, password, or student ID, edit your account profile. Do **not** create and use more than one REEF Polling account as you will only receive credit from a single account. You will need to purchase a subscription to use REEF Polling. You can use a credit card to purchase online or in-app purchase. Creating a REEF Polling account automatically starts a free 14-day trial subscription.

Add This Course to Your REEF Polling Account

Search with the following information to find this course and add it to your REEF Polling account:

Institution: The University of Texas at El Paso
Course: CHEM 3330 or Bernal

Cheating

I consider submitting votes for a fellow student to be cheating and a violation of the University Honor Code. If you are caught voting for another student or have votes in a class that you did not attend, you will receive a zero for ALL quizzes and will face additional disciplinary action by the University.

Tentative Schedule for material to be covered

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

Date	Assignment
Lecture 1	First day of classes, Review syllabus, Intro to i-Clicker
2	Chapter 1 The Foundations of Biochemistry
3	Chapter 2 Water
4	Chapter 2 Water Continued
5	Chapter 3 Amino Acids, Peptides and Proteins
6	Chapter 3 Amino Acids, Peptides and Proteins Continued
	Exam 1
7	Chapter 4 The three dimensional structure of proteins
8	Chapter 4 The three dimensional structure of proteins continued
9	Chapter 4 The three dimensional structure of proteins continued
10	Chapter 5 Protein Function
11	Chapter 5 Protein Function Continued
12	Chapter 6 Enzymes
13	Chapter 6 Enzymes Continued
	Exam 2
14	Chapter 7 Carbohydrates and Glycobiology
15	Chapter 7 Carbohydrates and Glycobiology Continued
16	Chapter 8 Nucleotides and Nucleic Acids
17	Chapter 8 Nucleotides and Nucleic Acids Continued
18	Chapter 9 DNA Based Information Technologies
19	Chapter 9 DNA Based Information Technologies Continued
	Exam 3
20	Chapter 10 Lipids
21	Chapter 10 Lipids Continued
22	Chapter 11 Biological Membranes and Transport
23	Chapter 11 Biological Membranes and Transport Continued
24	Chapter 12 Biosignaling
25	Chapter 12 Biosignaling Continued
	Final Exam (Exam 4)