Dr. Arthur W. Bull  
Office 201 SEB  Phone 248-370-2347 abull@oakland.edu  
Office Hours: 10:00-11:00 T, Th, by appointment, or just stop in!  
The Absolute Ultimate Guide to … (Optional)  
Alternatively any recent biochemistry text, or previous edition of Lehninger will be sufficient.

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Final Exam 12/11 8:00 - 11:00 am

GRADING:  
3 Quizzes @ 25 pts each (lowest dropped) 50  
3 Exams @ 100 pts each (lowest dropped) 200  
Final exam (comprehensive) @ 150 pts 150
400 pts total
Registration:
Prerequisite: CHM 235 (or equivalent). The last day for a “no grade” drop and 100% refund is September 18 and the last day for an official withdrawal is November 6.

Examinations:
There will be three quizzes (15 minutes each), three examinations and one comprehensive final exam. The lowest quiz grade and lowest exam grade will be dropped (this does not include the final). There will be no make up quizzes and exams for any reason whatsoever, missed quizzes and exams will be recorded as zero. If you miss two exams or two quizzes one of the scores to determine your final grade will be zero. The exams will cover lecture material and may also include assigned reading material. The dates of the exams are fixed, the quiz dates may be changed depending on how the lecture schedule is progressing.

Grading:
After each exam the distribution of scores for that exam will be shown in class so you can determine where you stand relative to the rest of the students, I will also indicate an approximate/tentative grade distribution for each exam. If you are concerned about your grade I encourage you to come talk with me, at any time, so that we can assess the problem and develop potential solutions.

Text Book:
The text recommended is Lehninger, however, any relatively recent comprehensive biochemistry text will be fine. The order of topics may differ but the fundamental content and conceptual information will be similar. Thus, if you have an earlier edition, or different biochemistry book do not feel obligated to purchase a new book.

Office Hours:
In addition to the formal office hours listed, I am willing to meet with any student whenever it is mutually convenient. It is fine to simply come by the office when the door is open and unless I am in the middle of something important I will take time to answer questions or schedule a better time. Email questions are encouraged and often I will answer them in class if the answer is lengthy. I am willing to answer questions from this course or to help with material from prerequisite courses that may not have been understood the first time it was encountered. The nature of biochemistry is such that it rests heavily on material from previous courses, in particular, organic chemistry and general chemistry.
I am frequently unavailable to answer questions on the day before an examination, this is a deliberate attempt on my part to encourage significant interaction when the material is presented and to discourage the practice of "cramming" immediately prior to examinations. Plan your study accordingly and take advantage of my willingness to make myself available.
Important terms: The following terms describe important concepts with which you should already have some familiarity. Most of these terms and concepts will be dealt with in some detail throughout this course. Others are important for a functional understanding of biochemistry. You should be prepared to provide a one or two sentence description of each of these terms for the first exam.

- plasma membrane
- cell wall
- cytoplasm
- cytosol
- nucleus
- nucleolus
- eukaryote
- prokaryote
- endocytosis
- exocytosis
- endoplasmic reticulum
- golgi complex
- lysosomes
- mitochondria
- chloroplasts
- cytoskeleton
- macromolecule
- bacteriophage
- monomer
- polymer
- equilibrium
- steady state
- exergonic
- endergonic
- entropy
- oxidation
- reduction
- transition state
- activation energy
- catabolism
- anabolism
- covalent bond
- ionic bond
- functional group
- hydroxyl
- aldehyde
- ketone
- carbonyl
- carboxyl
- phenyl
- ester
- ether
- amino
- amido
- imidazole
- sulfhydryl
- disulfide
- phosphoryl
- chiral
- enantiomers
- diastereomers
- racemic
- configuration
- conformation
- geometric isomers
- electronegativity
- nucleophile
- electrophile
- polarity
- hydrogen bond
- Van der Waals interaction
- Van der Waals radius