Syllabus
Introduction to Biochemistry (CHEM 4130 - 02)
MWF 10:00 – 10:50 am (3 credit hours)
NCF 102

Instructor: Dr. Kelly E. Johanson
Office phone: x 7610
Office: NCF 301H
Email: kjohanso@xula.edu
Office hours*: Monday/Wednesday 1pm – 3pm
Tuesday 9:00 am – 11am

*Please contact me if you need additional help outside of office hours or if these hours do not work with your schedule.

Required text:

Course Outline and Objectives:
The student’s understanding of cellular structure and composition on the molecular level will be developed through a study of the physical and chemical properties of the biomolecules of cells. Prerequisites: CHEM 2220/2220D/2240L.

This course will introduce the chemistry of biological compounds. We will cover both the structure and function of carbohydrates, lipids, amino acids, proteins, and nucleic acids along with molecular techniques used to study these compounds in the laboratory. This course will enhance your knowledge of cellular structure and composition in preparation for medical school, graduate, school, and other pre-professional programs.

In the text, we will cover chapters 1-12. You will be responsible for material in the text as well as topics covered in lecture and occasional assigned reading.

There will be 7 quizzes (20 points each), 4 exams (100 points each), and a cumulative final exam (200 points). The lowest of the 4 exam grades, and the lowest 2 quiz grades will be dropped. Quizzes will be announced a week in advance. Exam dates are given on the next page. Throughout the semester there will be opportunity for earning bonus points by completing problem sets and pop quizzes. There will be no make-up opportunities for bonus assignments.

Your mid-term grade will be calculated based on the first three quiz and two exam grades.

The final grade will be determined as follows:
(Exam grades) + (Quiz grades) + (bonus) + (Final) / 600 = %

A 90% - 100%
B 80% - 89%
C 70% - 79%
D 60% - 69%
F below 60%
Course Policies:

1. Please turn off all cell phones before class.
2. Please do not text during lecture. You may be asked to surrender your cell phone and/or leave class if this occurs.
3. Grades on exams/quizzes may be disputed up to two days after being returned.
4. Missed quizzes and exams will be subjected to the following policy: If one exam or up to two quizzes are missed, these will be considered your dropped grades. If more than one exam or two quizzes are missed, please see me to discuss your specific circumstances. Make-up exams and quizzes will only be given in extreme circumstances (i.e. major illness). If you feel you should be allowed to make-up a missed exam or quiz, you must (a) contact me by phone or email no later than 5 pm the day of the missed quiz or exam and (b) provide documentation for your absence within one week of the missed quiz or exam.
5. Please take advantage of office hours to ask questions about upcoming exams/quizzes. However, questions about multiple concepts or those that require a long explanation should not be saved for the morning of an exam – Please plan ahead!

Evacuation policy:

In the event that classes are cancelled due to a hurricane evacuation, assignments and course materials will be posted to Blackboard. Please log on to the Blackboard site as soon as possible after the evacuation.

Exam Dates:
**Note – these dates will not change except in cases of evacuation. If we have not finished the listed chapters, you are only responsible for the material covered prior to the exam.

<table>
<thead>
<tr>
<th>Date</th>
<th>Exam</th>
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<tbody>
<tr>
<td>September 14</td>
<td>Exam 1 (Chapters 1,2,4)</td>
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<tr>
<td>October 2</td>
<td>Exam 2 (Chapters 4,6,7)</td>
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<td>October 30</td>
<td>Exam 3 (Chapters 7,11,12,3)</td>
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<tr>
<td>November 23</td>
<td>Exam 4 (Chapters 8, 9,)</td>
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<tr>
<td>Final</td>
<td>December 7 (1:30 pm)</td>
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Academic Misconduct:

The Xavier Faculty Handbook guidelines on academic misconduct will be followed in this course.

*If a student’s test, examination paper, laboratory report, term paper, or other written assignment gives evidence of not being completely his/her own work, he/she may be given an F for the course. A student who communicates with anyone during the course of an examination or test, unless with the permission of the instructor, may be immediately dismissed from the room and given an F. Such communication includes attempts to read from another’s paper. If a student is found to have brought study materials into the examination room without the instructor’s permission, it may be assumed that he/she intended to use such materials unlawfully, and he/she may be penalized accordingly.*

*The faculty member is to report immediately to his/her chair and dean any incident involving academic dishonesty and be prepared to make this report in writing. Written evidence supporting the charge should also be submitted.*