

Course Syllabus: Chemistry 4130 (section 01) – Introduction to Biochemistry –Spring 2010

Monday/Wednesday/Friday 8:00 – 8:50 a.m. (3 credit hours)

Room: NCF 102

Instructor: Dr. Neil R. McIntyre

Office phone: 520-5083

Office: NCF 310K

Email: nmcintyr@xula.edu

Office hours: Monday/Wednesday/Friday – 9:00-11:00 a.m. *

*Please note, if you are unable to meet during these times, please contact me by email to set a personal appointment.

Required text:

Fundamentals of Biochemistry, Life at the Molecular Level, 3rd edition, 2008, Donald Voet, Judith G. Voet, and Charlotte W. Pratt

Course Outline:

The students 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.

Objectives:

This course is a fundamental building block towards learning to solve questions in biochemistry. It is here that we discover biochemistry to be a quantitative science beyond the descriptive manner emphasized in similar courses. Topics covered in this class will bring students towards an understanding of the structure-function relationships for biomolecules from a chemical perspective. The focus of this course will be on amino acids, proteins, nucleic acids, carbohydrates and lipids.

Evaluation:

There will be 5 quizzes (20 points each), 4 exams (100 points each), and a cumulative final exam (200 points). The lowest of the 4 exam 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.

** Students are responsible for both lecture, assigned and text material for this course. **

The final grade will be determined as follows:
(Exam grades) + (Quiz grades) + (bonus) / 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 bring your Xavier ID card for attendance.
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 policies:
 - a. Quizzes: Make-up quizzes will not be given except for cases of serious illness, family emergency or participation in a university-sponsored event (must provide documentation). You must notify me by email or phone that you intend to provide this documentation by 5 pm on the day the quiz is given to be eligible to retake the quiz. You will then have up to one week from the original quiz date to take the quiz.
 - b. Exams: If one exam is missed due to a documented illness or emergency, this will be considered your dropped grade. If more than one exam is missed, please see me to discuss your specific circumstances. If you miss an exam, you must contact me by 5pm on the day of the exam to explain the reason for your absence (documentation can be provided at a later date). If you fail to contact me and/or provide documentation for your absence, you will receive a zero for the exam and this grade will NOT be dropped.
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 are tentative and may change as the semester progresses. Advance notice will be given if any changes are made.

All quizzes and exams will be in NCF 102 (8-8:50 a.m.)

Quiz 1 JANUARY 25, 2010

Quiz 2 FEBRUARY 12, 2010

Quiz 3 MARCH 12, 2010

Quiz 4 APRIL 7, 2010

Quiz 5 APRIL 26, 2010

Exam 1 (Chapters 1,2,4) FEBRUARY 1, 2010

Exam 2 (Chapters 4,6,7 – Midterm) FEBRUARY 26, 2010

Exam 3 (Chapters 7, 11,12,3) MARCH 24, 2010

Exam 4 (Chapters 8, 9, 10, 5) APRIL 23, 2010

Final - Please see the final exam schedule on BannerWeb

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.