General Biochemistry I

Instructor: Gianfranco Bellipanni, Ph.D.
Office: 427B BioLife Building
Office hours: Monday 1 to 2 pm or email me to make an appointment.
Email: bellipa4@temple.edu
Course Number: 4375 and 5475.
Credit Hours: 3.0
Prerequisites: Biology 3096 (W204), Chemistry 2202 (0122) and Math 1041 (C085) with a C- or better in all

Description: properties of water (pH and buffers); chemistry of amino acids and proteins including non-covalent interactions; carbohydrates, nucleotides and nucleic acids; lipids and membranes; enzyme mechanisms and kinetics; control of enzyme activity; bioenergetics and oxidative metabolism; and chemistry of photosynthesis.

Goals: to provide students with a wide range of concepts in Biochemistry.

Class meets: MWF 2:00 PM to 2:50 PM. SERC 116


Course information: It is very important that students attend all the lectures and carefully read the assigned chapters and sections. There will be Four mid-term exams, and a final exam under format of a cumulative test. In addition you are responsible to complete the work on-line in the site Mastering from Pearson. The mid-term exams and the final are not cumulative. For the final grade each exam will be worth as follows: 1st 20%; 2nd 20%; 3rd 20%; 4th 15%; Final Cumulative 10%; Exams may include short answer, essay, and multiple-choice questions. On-line work 10%, divided in: 5% for completing after class reading test and 5% weekly tests. The remaining 5% of the final grade is earned based upon your active presence and active participation in class.

Students enrolled in 5375 will have also to study more material and complete additional test, usually in the format of writing a review of a research paper, which will count for 30% of their final score.
If a student misses a test, he/she will receive 0 points. Missed exams will not be re-administered except for the in class exams missed for emergency situations, of which the instructor must be notified no later than 24 hours after the exam. For the on-line material students will receive an automatic 10% deduction per day for each day they are late for the completion of the assignment. There is no time extension for the on-line tests and quizzes.

Final grades will be rounded to the nearest whole number.
A range = 92% or above
A- range = 90 - 91%
B+ range = 87% - 89%
B range = 83% - 86%
B- range = 80% - 82%
C+ range = 76% - 79%
C range = 65% - 75%
C- range = 60% - 64%
D+ range = 55% - 59%
D range = 50% - 54%
D- range = 45% - 49%
F range = 44% or below

**Academic dishonesty:** the University has a policy on Student and Faculty and Academic Rights and Responsibilities (Policy #03.70.02), which can be accessed through the following link:

http://policies.temple.edu/getdoc.asp?policy_no=03.70.02

This includes Temple University's rules on plagiarism and cheating and general academic dishonesty.

**Students with disabilities:** Should contact the instructor as soon as possible during the first week of classes.

**Graduate Students:** During the course they will receive primary literature material to read and will be expected to answer additional questions on exams and complete a review based on research papers related to the course topics. Additional test requirements for graduate students will count for 50% of their final grade, while the basic course exam will count for the other 50%.

**Changes to this syllabus:** the information contained in this syllabus, other than the grade and missed-exam policies, may be subject to change with reasonable advance notice, as deemed necessary and appropriate by the instructor.