Syllabus
Physiological Chemistry Lab
CHE-115L-011,-014
SC 464
Fall 2007

Instructor: Dr. PJ Ball
Office: SC 454
Phone: 859-572-6960
Email: ballp1@nku.edu
Office Hours: Office Hours: M: 11:00-1:00; T: 11-12, 3:30-4:30; R: 11-12, 2-4:30 others by appointment and open door policy

Required Text: Macaulay, D.B., Bauer, J.M., Bloomfield, M.M. CHE 115 Laboratory Experiments: Chemistry and the Living Organism, 1996.

Co-requisite:
CHE 115- Please be aware that if you drop CHE 115, you must also drop CHE-115-L

Course Description:
This is a laboratory course to accompany CHE 115 Physiological Chemistry. It is designed to highlight concepts presented in CHE 115 and to help the student become familiar with laboratory techniques and keep accurate records of observations.

Student Learning Outcomes:
Upon completion of this course, the student will demonstrate the ability to:

- Carry out experimental protocols using modern instrumentation and methods.
- Compile, critically evaluate, and interpret scientific information and data.
- Effectively communicate scientific information through written means.

Attendance:
Attendance at ALL lab sessions is required. No lab will be excused. Make-up work will be arranged for legitimate medical problems or other extraordinary circumstances, at the discretion of the instructor. The student is responsible for notifying the instructor within 24 hrs of such absences. Failure to notify instructor of absences within 24 hrs.will result in a 0 for the missed lab.

Lab Report Expectations:
Before coming to lab: The student is expected to come to each lab session prepared to perform the assigned experiment (see attached schedule). This requires that you READ the introductory information, COMPLETE the pre-lab questions as noted on the schedule, and be familiar with the procedures. Assigned pre-lab questions will be collected prior to the start of each lab experiment
While in lab: The student is expected to complete the report sheet or handout corresponding to the assigned lab procedures.

After lab: The student is expected to complete the assigned post-laboratory questions. Completed lab reports (report sheets and post-lab questions) are to be submitted one week following completion of the lab exercise. For every day late, there will be a 2 pt. grade deduction.

Grading:

Lab Reports = 80%
Exams = 20 %

A = 90-100
B = 80-90
C = 70-80
D = 60-69
F = 0-59

Policies of the Department of Chemistry at Northern Kentucky University:

- All items on the syllabus are subject to change at the discretion of the instructor
- Students are responsible for reading and understanding the syllabus. Any items that are not understood need to be brought to the attention of the instructor within the first two weeks of the semester
- The work that you do in this course is subject to the Student Honor Code. The Honor Code is a commitment to the highest degree of ethical integrity in academic conduct, a commitment that, individually and collectively, the students of Northern Kentucky University will not lie, cheat, or plagiarize to gain an academic advantage over fellow students or avoid academic requirements.
- Cheating will not be tolerated. Faculty members have the right to determine actions to be taken when a student is caught cheating.
- Faculty members have the right to dismiss or have removed disruptive students from their classroom.

Safety:

Students are expected to wear safety goggles at all times. Failure to wear safety goggles may result in a grade penalty. Sandals and shorts are **NOT** permitted in the laboratory. If you come to lab wearing inappropriate attire you will **NOT** be allowed to complete the lab that day. Students are to report all spills/accidents to the instructor immediately.

CHE 115L Schedule
Fall 2007

Date	Lab	Pre-lab	Report Sheet	Related Questions
8/21, 8/23	Safety, Check-In			
8/28, 8/30	Exp 2: Measurement	1,2	I, II, III, IV, V	none
9/4, 9/6	Nuclear Chemistry	survey	all	none
9/11, 9/13	Exp 6: Ions of Nutrition	3-9	II, III, IV	all
9/18, 9/20	Hydrocarbons (handout)	none	all	all
9/25, 9/27	Exp 10: Chemical Rxns	1-9	I, II, IIIa	none
10/2, 10/4	Synthesis of Aspirin	none	all	all
10/9, 10/11	TEST			
10/18	Case Study			
10/23, 10/25	Exp 12	1-6	I, II, III	1,2,3,4,5,8
10/30, 11/1	Exp 13	all	all	none
11/6, 11/8	Exp 15	all	all	none
11/13,11/15	Exp 15	all	all	none
11/20	Case Study			
11/27,11/29	Exp 18	all	all	1-8
12/4,12/6	TEST, Checkout			

**** Schedule is subject to change so please be attentive to any announcements that are made!*****