

**CHEMISTRY 152 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS**  
**Summer Semester 2013**

MEETINGS: Lecture: MUND 404, TWTh, 8:30 - 11:30 am  
Lab: FH 204, T 12:30-3:30 pm

TEXT: Fundamentals of General, Organic and Biological Chemistry, 7th Ed, By:  
McMurry & Costellion  
Study Guide: Full solution manual, By: Susan E. McMurry Prentice Hall 2003

OTHER MATERIAL: You should obtain a Periodic Table, a calculator, laboratory safety glasses

INSTRUCTOR: Mir Shamsuddin, D.V.M., Ph.D.  
Office: FH 403, 773-508-3134  
Hours: T 11:30- 12:30 pm

EXAMINATIONS: EXAM 1: July 11, 2012  
EXAM 2: July 25, 2012  
FINAL EXAM: August 8, 2013

EXAMINATION POLICY: 2 Exams 200 pts  
1 Final Exam 100 pts  
Lab 105 pts

All points will be combined and reduced to a percentage before assigning the letter grade.  
No letter grade for individual exams.

A	95-100%	C+	71-75%	F<50%
A-	91-94%	C	66-70%	
B+	86-90%	C-	61-65%	
B	81-85%	D+	56-60%	
B-	76-80%	D	51-55%	

**MAKE-UP EXAMS AND QUIZZES WILL NOT BE GIVEN:** If a properly documented emergency (minimally written, signed, and documented by doctors, judges or similar officials, along with notification prior to the examination as well as appropriate reason and valid time period is required) prevents one from taking an exam, the instructor may allow an averaging of the other two examinations to calculate a grade for an excused exam. Absence from the final examination will result in a zero for that exam. Note—*no makeup work, extra credit, or the like will be awarded*; such an opportunity would not be fair to the others in the class and will not be entertained.

**LABORATORY:** There is a lab portion of this course. It will be described in a separate handout. Each student is expected to be enrolled in a lab session (Sections 002) Tue. 1 1:30 - 1:20.

**INSTRUCTOR PRIVILEGES:** The instructor reserves the right to correct any error in the syllabus or modify this syllabus as deemed necessary.

## **Reminder of Important Policies for the Course Chem 152 Summer 13**

### **Academic Dishonesty**

The pressure of getting excellent grades can lead to frustration. However do not let such pressure interfere with your academic honor. It will be an unpleasant situation and there will be consequences if you are caught cheating, a failing grade for the course will be given. No note cards or other material can be used during exam.

Nursing students' integrity and trust is one of the most important aspects of professionalism. Any student found cheating on any examination will receive an automatic "zero" for that exam and his/her name will be brought to the attention of the Chairman of the Chemistry Department as well as the Dean of the Nursing School. It will then be decided whether further disciplinary action is necessary (in such situations, a permanent note of academic dishonesty will be attached to one's official records and transcripts).

### **Academic Integrity**

All students in this course are expected to have read and to abide by the demanding standard of personal honesty, drafted by the College of Arts & Sciences, that can be viewed at:

[http://www.luc.edu/cas/pdfs/CAS\\_Academic\\_Integrity\\_Statement\\_December\\_07.pdf](http://www.luc.edu/cas/pdfs/CAS_Academic_Integrity_Statement_December_07.pdf)

Anything you submit that is incorporated as part of your grade in this course (*e.g.*, quiz, examination, homework, lab report) must represent your own work. Any students caught cheating will, at the very minimum, receive a grade of "zero" for the item that was submitted and this grade cannot be dropped. If the cheating occurred during a course exam, the incident will be reported to the Chemistry Department Chair and the Office of the CAS Dean. Depending on the seriousness of the incident, additional sanctions may be imposed.

### **Ethics Policy**

Do not talk during class. Try not to disturb class during lectures or exam period. Be Respectful to the instructor and to your peers. If you have a problem during course, please come to me before or after the class and I will try to find the best solution.

### **Other Notes**

1. No food or drinks are allowed in the classroom or laboratory.
2. Use of cell phones in the classroom will not be permitted; you may not bring one into the classroom unless ringer is turned off.
3. Read textbook prior to attending class.

**PHYSIOLOGICAL CHEMISTRY 152 TENTATIVE LECTURE SCHEDULE**

Summer 2013

<b>Date</b>	<b>Day</b>	<b>Chapter</b>	<b>Topic</b>
July 2	T	18	Amino Acids and Proteins <b>Lab</b>
3	W	18	Amino Acids and Proteins
4	TH		NO CLASSES
9	T	19	Enzymes and Vitamins <b>Lab</b>
10	W	19	Enzymes and Vitamins
11	TH	24	<b>Exam I</b> and Lipids and Fats
16	T	24,21	Lipids and Fats; Biochemical Energy <b>Lab</b>
17	W	21, 23	Energy and Carbohydrate Metabolism
18	TH	23	Carbohydrate Metabolism
23	T	23	Carbohydrate Metabolism <b>Lab</b>
24	W	23,25	Carbohydrate Metabolism; Lipid Metabolism
25	TH	25	<b>Exam II</b> and Lipid Metabolism
30	T	26	Nucleic Acid and DNA/RNA molecules <b>Lab</b>
31	W	26, 27	Nucleic Acid and DNA/RNA molecules; Genome
August 1	TH	20	Hormones and Messengers
6	T	20, 29	Hormones and Messengers; Physiological Body Fluids <b>Lab</b>
7	W	29	Physiological Body Fluids
8	TH		<b>FINAL EXAM</b>

## LAB:

Grading: There will be a Safety Quiz worth 5 points on your first day of lab followed by equipment check-in. There will be a total of nine experiments. The procedure for each experiment and the outline for the required Pre-lab will be passed out during the previous lab period. Each lab meeting will start with submission by students of the completed Pre-lab on the experiment to be performed that day. The Pre-lab will be worth 3 points. The lab report, due immediately after completion of the experiment, and your technique, during the experiment, will be worth 7 points. There will be a final lab exam worth 10 points, which will be given by your Teaching Assistant. The entire 152 Lab will be worth a total of 115 points.

<u>Week Of:</u>	<u>Tentative Lab Schedule</u>
July 2	Check-In Safety Quiz Carbohydrates Polymerization and Model Building
July 9	Protein and Amino Acids Fat and Lipids
July 16	Vitamin C Content Analgesic, Aspirin Synthesis
July 23	Protein Chromatography Enzymes Assay
July 30	Physiological Fluids Lab Quiz Check-Out

### Lab Schedule for CHEM 152 Summer 2013:

Grading: There will be a Safety Quiz worth 5 points on your first day of lab followed by equipment check-in. There will be a total of nine experiments. The procedure for each experiment and the outline for the required Pre-lab will be passed out during the previous lab period. Each lab meeting will start with submission by students of the completed Pre-lab on the experiment to be performed that day. The Pre-lab will be worth 3 points. The lab report, due immediately after completion of the experiment, and your technique, during the experiment, will be worth 7 points. There will be a final lab exam worth 10 points, which will be given by your Teaching Assistant. The entire 152 Lab will be worth a total of 105 points.

<u>Week Of:</u>	<u>Tentative Lab Schedule</u>
July 2	Check-In Safety Quiz Carbohydrates Polymerization and Model Building
July 9	Protein and Amino Acids Fat and Lipids
July 16	Vitamin C Content Analgesic, Aspirin Synthesis
July 23	Protein Chromatography
July 30	Physiological Fluids
Aug. 6	Enzymes Assay Lab Quiz Check-Out