

CHEMISTRY 152 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS
Summer Semester 2011

MEETINGS: : FH 007 MTWTh 5:30 – 9:00pm

TEXT: Fundamentals of General, Organic and Biological Chemistry, 6th 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 HOURS: FH 403, MT 4:30 – 5:30pm
773-508-3134

EXAMINATIONS: EXAM 1: July 14, 11
EXAM 2: August 1, 11
FINAL EXAM: August 11, 11

EXAMINATION POLICY: 2 Exams 200 pts
1 Final Exam 100 pts
Labs 100 pts

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

Grading Scale:

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 session⁵ (Sections-002)-Tue. 1

Reminder of Important Policies for the Course Chem 152 SUMMER SEMESTER 2011

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).

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.
4. Cell phones must not be used during tests.

Academic integrity is a very essential element in the educational process. For detail of the official policy regarding academic integrity visit:

[http://www.luc.edu/cas/pdfs/CAS academic integrity statement 07.pdf](http://www.luc.edu/cas/pdfs/CAS%20academic%20integrity%20statement%2007.pdf)

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

Chem 152 Summer 2011 Tentative Class Syllabus

July 4	M	NO CLASS
5	T	Amino Acids and Proteins
6	W	Amino Acids and Proteins
7	Th	Lab
11	M	Enzymes and Vitamins
12	T	Enzymes and Vitamins
13	W	Lipids and Fats
14	Th	Exam I and Lab
18	M	Lipids and Fats
19	T	Energy and Carbohydrate Metabolism
20	W	Energy and Carbohydrate Metabolism
21	Th	Lab
25	M	Carbohydrate Metabolism
26	T	Carbohydrate Metabolism
27	W	Lipid Metabolism
28	Th	Lab
August 1	M	Exam II and Nucleic Acid and DNA/RNA molecules
2	T	Nucleic Acid and DNA/RNA molecules
3	W	Genome
4	Th	Lab
8	M	Hormones and Messengers
9	T	Physiological Body Fluids
10	W	Physiological Body Fluids
11	Th	FINAL EXAM and Lab Quiz

Lab Schedule: **Chem 152 Summer**

Grading: There will be a Safety Quiz worth 4 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 11 points, which will be given by your Teaching Assistant. The entire 151 Lab will be worth a total of 105 points.

Tentative Lab Schedule

Check-In, Safety Quiz, Data Analysis lab

Carbohydrates

Polymerization and Model Building

Protein and Amino Acids

Fat and Lipids

Vitamin C Content

Analgesic, Aspirin Synthesis

Protein Chromatography

Enzymes Assay

Physiological Fluids

Check-Out and Lab Quiz