

CHEMISTRY 151 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS
Section 001-002 Fall Semester 2009

MEETINGS: SULL Galvin MWF, 9:20 -10:10 am
MUND 418 MWF, 10:25 -11:15 am

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: FH 403, 773-508-3134
Hours: MW 11:25- 12:25 pm, M 3:15 -4:15 pm, Tue 1:30-2:30 pm

EXAMINATIONS: EXAM 1: Sept 24, 2010 QUIZ 1: Sept 10, 2010
EXAM 2: Oct 22 2010 QUIZ 2: Oct 8, 2010
EXAM 3: Nov 22, 2010 QUIZ 3: Nov 12, 2010

FINAL EXAM: TBA (also check university announcements)

EXAMINATION POLICY:

3 Exams	300 points
3 Quizzes	30 points
Final Exam	100 points
Lab	115 points
Homework	30 points
Discussion	10 points

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^s (Sections-002)-Tue. 1:30-~~1:20~~.

DISCUSSION SCHEDULE: Mon (003) and Wed (005) 12:35 – 1:25 pm FH105
Mon (004) and Wed (006) 1:40 – 2:40 pm FH105

DISCUSSION SECTIONS: The discussion sections have been scheduled in order to help you learn chemistry by solving problems. All the different types of problems and chemical concepts that you will be expected to master will be reviewed at these sessions. In order to encourage your attendance at these sessions, a number of homework problems will be assigned for each session. You should solve or attempt to solve these assigned problems before attending your discussion section at which they will be reviewed. Attendance in discussion sessions is highly encouraged. One point will be awarded for participation and effort for each discussion.

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 Spring 09

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.

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)

PHYSIOLOGICAL CHEMISTRY 151 LECTURE SYLLABUS FALL 2010

Date	Day	Ch.	Topic
8/30	M	1/2	Matter and life: States of Matter Measurements in Chemistry
9/1	W	2/3	Measurements in Chemistry Atoms and the periodic table
9/3	F	3/4	Atoms and the periodic table Ionic compounds: Ions
9/6	M		LABOR DAY; NO CLASSES
9/8	W	4/5	Ionic compounds
9/10	F	5	QUIZ 1 Molecular Compound
9/13	M	5	Molecular Compound
9/15	W	6	Chemical Reactions
9/17	F	6	Chemical Reaction
9/20	M	7	Energy Rate
9/22	W	7	Energy Rate
9/24	F		EXAM II
9/27	M	8	Gases, liquids, and solids
9/29	W	10	Acids and Bases
10/1	F	10	Acids and Bases
10/4	M	12	Introduction for Organic Chemistry
10/6	W	12	Alkene and their reaction
10/8	F	12	QUIZ 2 Alkene and their reaction
10/11	M		MIDSEMESTER BREAK; NO CLASSES
10/13	W	13	Alkyene and their reaction
10/15	F	13	Alkyene and their reaction
10/18	M	13	Alkyene and their reaction

10/20	W	14	Alcohols, ethers, and thiols
10/22	F	16	EXAM II
10/25	M	14	Alcohols, ethers, and thiols
10/27	W	14	Alcohols, ethers, and thiols
10/29	F	15	Amines
11/1	M	15	Amines
11/3	W	15	Amines
11/5	F	16	Aldehydes and Ketones
11/8	M	16	Aldehydes and Ketones
11/10	W	16	Aldehydes and Ketones
11/12	F	16	QUIZ 3 Aldehydes and Ketones
11/15	M	17	Carboxylic acids and their derivatives
11/17	W	17	Carboxylic acids and their derivatives
11/19	F	17	Carboxylic acids and their derivatives
11/22	M		EXAM III
11/24	W		NO CLASSES; THANKSGIVING
11/26	F		NO CLASSES; THANKSGIVING
11/29	M	17	Carboxylic acids and their derivatives
12/1	W	23	Carbohydrates
12/3	F	23	Carbohydrates
12/6	M	23	Carbohydrates
12/8	W		REVIEW DAY ch 2-7, 10
12/10	F		REVIEW DAY ch 12-17, 23

FINAL EXAM: DATE, TIME, ROOM, AND PLACE TBA

Lab Schedule: Chem. 151

151	007	M	2:45-4:30
	008	M	2:45-4:30
	009	T	2:45-4:30
	010	T	2:45-4:30
	011	W	2:45-4:30
	012	W	2:45-4:30

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 115 points.

Tentative Lab Schedule

No Labs

Check-In, Safety Quiz, Data Analysis lab

No Labs, Labor Day week

Measurement and Density

Chemical and Physical Changes and Temperature Profile

Water of Hydration

No Labs, Semester break

Acid-Base Titration

Hydrogen Ion Concentration, pH of Acids, Bases and Buffers

Organic structures and models

Reactions of hydrocarbons

Reactions of Alcohols

Reactions of Aldehydes and Ketones

LAB EXAM and Check-Out