

CHEMISTRY 151 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS
SUMMER SEMESTER 2010

MEETINGS: FH 133, MTWTh, 5:30: - 9:00 pm

TEXT: Fundamentals of General, Organic and Biological Chemistry, 6th Ed, By:
McMurry & Costellion
Study Guide: Full solution manual, By: Susan E. McMurry Prentice Hall
2006

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: MT 4:30- 5:30 pm

EXAMINATIONS: QUIZ 1: May 26, 2010 EXAM I: June 3, 2010
 QUIZ 2: June 9, 2010 EXAM II: June 17, 2010
 QUIZ 3: June 23, 2010 FINAL EXAM: July 1, 2010

EXAMINATION POLICY: 2 Exams 200 points
 3 Quizzes 45 points
 1 Final Exam 100 points
 Labs 105 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%	

An absence in any exam automatically results in a score of zero. There will be no make up exams. In rare circumstances (major health problems or family emergencies for which evidence has to be submitted) another exam will be given within 48 hours following that exam date. In the event the final exam is missed a grade of "X" will be installed.

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

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.

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.

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 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_December_07.pdf

Lab Schedule: Chemistry 151- Lab Instructor: Mir Shamsuddin

Grading:

There will be a Safety Quiz worth 4 points on your first day of lab and a dry lab problems solving is worth 6 points 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 is due immediately after completion of the experiment, and will be worth 7 points. Each experiment is worth 10 points total. There will be a final comprehensive exam worth 10 points. The entire Chem. 151 lab will be worth a total of 100 points. These 100 points will be added to your lecture grades and you would be assigned one grade for both the lecture and lab.

Dates

Lab Experiments

Safety, Safety quiz, Check-in, and Data Analysis

Measurement (lab1) and Density, mass and volume (lab 2)

Chemical and Physical Changes (lab1) and (lab2) to be determined

Acid-Base Titration

Hydrogen Ion Concentration: pH of acids, bases, salts and buffers

Fall break and there is no lab the entire week

Organic Structures and Organic Structural Models

Hydrocarbon Reactions

Alcohol Reactions

Reactions of Aldehydes and Ketones

Final Exam / Check-out

PHYSIOLOGICAL CHEMISTRY 151 TENTATIVE LECTURE SCHEDULE
Summer 2010

Date	Day	Chapter	Topic
May 24	M	1-3	Matter and Life: State of Matter Measurements in Chemistry, Atoms and the Periodic Table
May 25	T	3-4	Ionic compounds: Ions, Molecular Compounds
May 26	W	4-5	QUIZ 1 , Molecular Compounds Polyatomic Ions: Formulas and Naming
May 27	TH	Lab 1 Lab 2	
May 31	M		NO CLASSES
June 1	T	5-6	Chemical Reactions
June 2	W	6-9	Gases, Liquids, Solids and Solution
June 3	TH	LAB 3	EXAM I
June 7	M	6-7	Chemical Reaction, Energy Rate
June 8	T	7, 10	Chemical Reaction, Energy Rate, Acids and Bases
June 9	W	10	QUIZ 2 , Acids and Bases
June 10	TH	LAB 4 LAB 5	
June 14	M	12	Org. Chem., Alkane, cycloalkane, aromatic compounds
June 15	T	13	Alkene an their reactions
June 16	W	14	Alcohols, ethersm and thiols
June 17	TH	LAB 6	EXAM II
June 21	M	16	Aldehyde and Ketones
June 22	T	16, 15	Aldehyde, Ketones and Amines
June 23	W	17	QUIZ 3 , Carboxylic Acids and their Derivatives
June 24	TH	LAB 7 LAB 8	
June 28	M	17	Carboxylic Acids and their Derivatives
June 29	T	22	Carbohydrates
June 30	W	18	Amino Acids and Proteins
July 1	TH	LAB 9	FIANL EXAM