

CHEMISTRY 152 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS
Section 001-002 Spring Semester 2009

MEETINGS: DH 144, MWF, 9:20 -10:10 am
DH 144, MWF, 10:25 -11:15 am

TEXT: Fundamentals of General, Organic and Biological Chemistry, 5th 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, T 1:00-2:00 pm

EXAMINATIONS: EXAM 1: Feb. 6, 09 QUIZ 1: Jan. 26, 09
EXAM 2: Feb. 27, 09 QUIZ 2: Feb. 20, 09
EXAM 3: March 27, 09 QUIZ 3: March 18, 09

FINAL EXAM: TBA (also check university announcements)

<u>EXAMINATION POLICY:</u>	3 Exams	300 pts
	3 Quizzes	50 pts
	1 Final Exam	100 pts
	Lab Exam	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.

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 of extra credit 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

Lab Schedules for Teaching Staff

Section	Day	Time	Room	TAs
152-007	M	2:45-4:30	FH204	
152-008	M	2:45-4:30	FH201	
152-009	T	2:45-4:30	FH204	
152-011	W	2:45-4:30	FH204	
152-012	W	2:45-4:30	FH201	

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 eight experiments the procedure for each experiment and the outline for the required Pre-lab will be passed out during the previous lab period. Completed Pre-labs are due at the beginning of the lab. The Pre-lab will be worth 3 points. The lab report is due at the end of the experiment. Each experiment is worth 12 points total (3 points for Pre-lab and 9 points for technique and report). The total lab points at the end of the semester will be worth 100 points. The lab grade will be added to your total class grade.

Chem 152 – Lab Experiments

Week Of

1) Check-In	January 12-16
2) Carbohydrates	January 26-30
3) Polymerization and Model Building	February 2-6
4) Protein and Amino Acid	February 9-13
5) Fat and Lipids	February 16-20
6) Vitamin C Content	February 23-27
7) Analgesic, Aspirin Synthesis	March 9-13
8) Trimyristin Extraction	March 16-20
9) Enzyme Assay	March 23-27
10) Physiological Fluid	March 30-April 3

Tentative Schedules for Lectures

Month	Day	Date	Chapter	Topic
January	Monday	12	18	Proteins and Amino Acids
	Wednesday	14	18	Proteins and Amino Acids
	Friday	16	18	Proteins and Amino Acids
	Monday	19		<i>No School: Martin Luther King Day</i>
	Wednesday	21	19	Enzymes and Vitamins
	Friday	23	19	Enzymes and Vitamins
	Monday	26	19	Enzymes and Vitamins Quiz 1
	Wednesday	28	19	Enzymes and Vitamins
February	Friday	30	24	Lipids
	Monday	2	24	Lipids
	Wednesday	4	24	Lipids
	Friday	6		Exam I
	Monday	9	21	Energy Metabolism
	Wednesday	11	21	Energy Metabolism
	Friday	13	21	Energy Metabolism
	Monday	16	21	Energy Metabolism
	Wednesday	18	23	Carbohydrates Metabolism
	Friday	20	23	Carbohydrates Metabolism Quiz 2
	Monday	23	23	Carbohydrates Metabolism
	Wednesday	25	25	Lipid Metabolism
March	Friday	27		Exam II
		2-6		<i>Spring Break</i>
	Monday	9	25	Lipid Metabolism
	Wednesday	11	25	Lipid Metabolism
	Friday	13	26	Nucleic Acids
	Monday	16	26	Nucleic Acids
	Wednesday	18	26	Nucleic Acids Quiz 3
	Friday	20	27	Genome
	Monday	23	27	Genome
	Wednesday	25	27	Genome
	Friday	27		Exam III
	Monday	30	20	Chemical Messengers and Hormones
	April	Wednesday	1	20
Friday		3	20	Chemical Messengers and Hormones
Monday		6	29	Body Fluids
Wednesday		8	29	Body Fluids
		10, 13		No School
Wednesday		15	29	Body Fluids
Friday		17	29	Body Fluids
Monday		20		Review Session (Carbs Metabolism)
Wednesday		22		Review Session (Chemical Messengers)
Friday		24		Review Session
Monday		27		<i>Study Day</i>