

**CHEMISTRY 152 ELEMENTARY PHYSIOLOGICAL CHEMISTRY SYLLABUS**  
**Section 001-002 Spring Semester 2010**

MEETINGS: CC Auditorium , MWF, 9:20 -10:10 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 10:30- 11:30 am, T 1:00-2:00 pm

EXAMINATIONS: EXAM 1: Feb 12, 10                      QUIZ 1: Feb 3, 10  
EXAM 2: March 5, 10                                  QUIZ 2: March 1, 10  
EXAM 3: April 9, 10                                  QUIZ 3: March 31, 10

FINAL EXAM: TBA (also check university announcements)

EXAMINATION POLICY:	3 Exams	300 pts
	3 Quizzes	45 pts
	1 Final Exam	100 pts
	Lab and Lab Quiz	115 pts
	Discussion/Homework	15 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 session (Sections 002) Tue. 1 1:30 - 1:20.

<b>DISCUSSION SCHEDULE:</b>	Mon (003)	12:35 – 1:25 pm	FH105
	Mon (004)	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 10**

### **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.

**PHYSIOLOGICAL CHEMISTRY 152 LECTURE SYLLABUS SPRING 2010**

Date	Day	Ch.	Topic
1/18	M	18	NO CLASSES
1/20	W	18	Protein and Amino Acids
1/22	F	18	Protein and Amino Acids
1/25	M	18	Protein and Amino Acids
1/27	W	18	Protein and Amino Acids
1/29	F	19	Enzymes and Vitamins
2/1	M	19	Enzymes and Vitamins
2/3	W	19	Enzymes and Vitamins, <b>Quiz 1</b>
2/5	F	19	Enzymes and Vitamins
2/8	M	24	Lipids
2/10	W	24	Lipids
2/12	F		<b>EXAM I</b>
2/15	M	24	Lipids
2/17	W	21	Energy Metabolism
2/19	F	21	Energy Metabolism
2/22	M	21	Energy Metabolism
2/24	W	21	Energy Metabolism
2/26	F	23	Carbohydrate Metabolism
3/1	M	23	Carbohydrate Metabolism, <b>Quiz 2</b>
3/3	W	23	Carbohydrate Metabolism
3/5	F		<b>EXAM II</b>
3/8	M		<b>SPRING BREAK; NO CLASSES</b>
3/10	W		<b>SPRING BREAK; NO CLASSES</b>

3/12	F		<b>SPRING BREAK; NO CLASSES</b>
3/15	M	23	Carbohydrate Metabolism
3/17	W	25	Lipid Metabolism
3/19	F	25	Lipid Metabolism
3/22	M	25	Lipid Metabolism
3/24	W	26	Nucleic Acids
3/26	F	26	Nucleic Acids
3/29	M	26	Nucleic Acids
3/31	W	27	Human Genome, <b>Quiz 3</b>
4/2	F		<b>EASTER BREAK; NO CLASSES</b>
4/5	M		<b>EASTER BREAK; NO CLASSES</b>
4/7	W	27	Human Genome
4/9	F		<b>EXAM III</b>
4/12	M	20	Chemical Messengers
4/14	W	20	Chemical Messengers
4/16	F	20	Chemical Messengers
4/19	M	29	Body Physiological Fluids
4/21	W	29	Body Physiological Fluids
4/23	F	29	Body Physiological Fluids
4/26	M	29	Body Physiological Fluids
4/28	W		REVIEW DAY (Chaps: 21, 23, 25, 26)
4/30	F		REVIEW DAY (Chaps: 27, 20, 29)

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

Lab Schedule: Chem. 152

152	007	M	2:45-4:30	FH 204
	008	M	2:45-4:30	FH 201
	009	T	2:45-4:30	FH 204
	010	T	2:45-4:30	FH 201
	011	W	2:45-4:30	FH 204
	012	W	2:45-4:30	FH 201

Lab Instructor: Mir Shamsuddin

Teacher Asst:

Grading: There will be a Safety Quiz worth 3 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 is due immediately after completion of the experiment, and will be worth 7 points. There will be a technique grade of up to 7 points for the semester, which will be given by your Teaching Assistant based on your efficiency, preparedness and overall performance in the lab. The entire 151 Lab will be worth a total of 100 points.

<u>Week Of:</u>	<u>Tentative Lab Schedule</u>
Jan. 25-29	Check-In, Safety Quiz, Data Analysis lab
Feb. 1-5	Carbohydrates
Feb. 8-12	Polymerization and Model Building
Feb. 15-19	Protein and Amino Acids
Feb. 22-26	Fat and Lipids
Mar. 1-5	Vitamin C Content
Mar. 15-19	Analgesic, Aspirin Synthesis
Mar. 22-26	Trimyristin Extraction
Mar. 29-31	Enzymes Assay
Apr. 12-16	Physiological Fluids
Apr. 19-23	Check-Out and Lab Quiz