

Elementary Physiological Chemistry B

Chemistry 152 - Spring 2012

Dr. Miguel A. Ballicora (Instructor)

Life Science Building-Room 142: Mondays, Wednesdays, and Fridays 8:15AM - 9:05AM

Meetings

The students will attend the main lectures at Life Science Building-Room 142, Mondays, Wednesdays, and Fridays 8:15AM - 9:05AM, and also one of the discussion sections, either A) Flanner Hall Room 105; Monday 12:35PM – 1:25PM or B) Flanner Hall Room 105; Wednesday 12:35PM – 1:25PM

Laboratory

There is a laboratory part of this course with a different instructor. Each student should enroll in a lab session.

Website and Professor-Student Communication

The website will be on *Blackboard System* and the URL is <http://blackboard.luc.edu> Students are responsible to check *Blackboard* regularly (once a day) as well as the Loyola email account (once a day) for updated information. The instructor will send messages to that account and. Grades will be posted in *Blackboard*. In case that student needs it, there is help available about *Blackboard* at http://www.luc.edu/blackboard/Student_Resources.shtml

Exams

1st – Wednesday February 8th

2nd – Friday March 2nd

3rd – Wednesday April 4th

Final – Tuesday May 8th

Grading

Laboratory	20%
Best score of Exams 1, 2, or 3	25%
Second score of Exams 1, 2, or 3	25%
Lowest score of Exams 1, 2, or 3	dropped
Assignments	5%
Final Exam	25%

The instructor may decide to give small quizzes for extra credit at any time, in class, or on line in *Blackboard*. In that case, the small credit, which will be announced, will be added directly to the final score.

The final score of the course will be, rounded, and the letter assigned according to the following table

Letter	Range
A	95-100
A-	90-94
B+	85-89
B	80-84
B-	73-79
C+	67-72
C	60-66
C-	55-59
D+	50-54
D	45-49
F	44 and below

There will be no make up examinations under any circumstance for exams 1 to 3. If the student cannot attend for any reason to one of these exams, it will be dropped as explained above. Only one exam can be dropped. There will be no make up examination for the final unless there is a **documented** family or medical emergency.

Major Themes

The course will be based on the second part of the book “*Fundamentals of General, Organic, and Biological Chemistry*” 6th Ed. by McMurry, Castellion, & Ballantine, starting with Chapter 18. The main goal of the course is that the student will have a solid understanding of the fundamentals of the chemistry of life.

Participation

The instructor strongly encourages the students to participate in class and interact with other classmates. To facilitate the communication, a discussion forum has been set up in *Blackboard*. Students can post questions, answers to other student questions, and anything related to the course. Students can post anonymously if they want. Certain questions addressed to the instructor will be answered in the forum if the instructor believes it is appropriate and useful for everybody. The identity of the student who sent the question will be kept anonymous.

Reading assignments

Students are expected to read the chapter indicated in the tentative schedule by the date in which that particular topic will be explained. In this way, students will take a better advantage of the lectures.

Discussion

These sections are going to be an intrinsic part of the course and the students will be expected to attend. Some of the activities will be part of the tests, and some assignments may be given in those.

Expected behavior

Dishonest behavior such as cheating may cause to fail an assignment or examination. Academic integrity is extremely important and the instructor expects nothing but the highest standard from the Loyola students. Please, check the following document: http://www.luc.edu/academics/catalog/undergrad/reg_academicintegrity.shtml
Instances of cheating will be reported to the Chair of the Department, and the Dean.

Cell phones or any other distracting devices are not allowed in class. Please, turn them off. In the exams, students are not allowed to use any sort of electronic device (laptop computers, cell phones, iPods, radios, calculators etc.) unless the instructor specifically authorizes them.

Tentative schedule

In a separate sheet, there is the intended schedule for the lectures. Small changes may occur in case the instructor considers the course will be improved. Exams will not be moved unless there is an emergency or safety issues (e.g. University closes because of extreme severe weather).

Instructor:

Miguel A. Ballicora, Pharm.D., Ph.D.

Flanner Hall 405

Phone: 508-3154

e-mail: mballic@luc.edu

Office hours: **Mondays and Wednesdays 9:20 am to 11 am.** *Special meeting hours* could be arranged by appointment (e-mail or phone me – be sure that you get a confirmation)

CHEM 152 Schedule

	Date	Theme	Chapter
W	1/18	First Day of Class	
F	1/20	Introduction to Biochemistry	
M	1/23	Proteins	18
W	1/25	Proteins	
F	1/27	Proteins	
M	1/30	Enzymes & Vitamins	19
W	2/1	Enzymes & Vitamins	
F	2/3	Enzymes & Vitamins	
M	2/6	Review session	
W	2/8	First Exam	
F	2/10	Carbohydrates	22
M	2/13	Carbohydrates	
W	2/15	Carbohydrates	
F	2/17	Biochemical Energy	21
M	2/20	Biochemical Energy	
W	2/22	Biochemical Energy	
F	2/24	Carbohydrate Metabolism	23
M	2/27	Carbohydrate Metabolism	
W	2/29	Carbohydrate Metabolism	
F	3/2	Second Exam	
<i>M</i>	<i>3/5</i>	<i>Spring Break</i>	
<i>W</i>	<i>3/7</i>	<i>Spring Break</i>	
<i>F</i>	<i>3/9</i>	<i>Spring Break</i>	
M	3/12	Lipids	24
W	3/14	Lipids	
F	3/16	Lipids	
M	3/19	Lipid Metabolism	25
W	3/21	Lipid Metabolism	
F	3/23	DNA & Protein synthesis	26
M	3/26	DNA & Protein synthesis	
W	3/28	DNA & Protein synthesis	
F	3/30	Genomics	27
M	4/2	Review Session	
W	4/4	Third Exam	
<i>F</i>	<i>4/6</i>	<i>Easter Break</i>	
<i>M</i>	<i>4/9</i>	<i>Easter Break</i>	
W	4/11	Prot. Metabolism	28
F	4/13	Prot. Metabolism	
M	4/16	Body Fluids	29
W	4/18	Body Fluids	
F	4/20	Hormones & Neurotransmitters	20
M	4/23	Hormones & Neurotransmitters	
W	4/25	Hormones & Neurotransmitters	
F	4/27	Review Session	
T	5/8	Final Exam (9am-11am)	

Academic Integrity

(http://www.luc.edu/academics/catalog/undergrad/reg_academicintegrity.shtml)

The basic commitment of a university is to search for and to communicate the truth as it is honestly perceived. The university could not accomplish its purpose in the absence of this demanding standard. To the extent that this standard is respected, a genuine learning community can exist. Students of this university are called upon to know, to respect, and to practice this standard of personal honesty.

Plagiarism is a serious form of violation of this standard. Plagiarism is the appropriation for gain of ideas, language, or work of another without sufficient public acknowledgement and appropriate citation that the material is not one's own. It is true that every thought probably has been influenced to some degree by the thoughts and actions of others. Such influences can be thought of as affecting the ways we see things and express all thoughts. Plagiarism, however, involves the deliberate taking and use of specific words and ideas of others without proper acknowledgement of the sources.

The faculty and administration of Loyola University Chicago wish to make it clear that the following acts are regarded as serious violations of personal honesty and the academic ideal that binds the university into a learning community:

Submitting as one's own:

1. Material copied from a published source: print, internet, CD-ROM, audio, video, etc.
2. Another person's unpublished work or examination material.
3. Allowing another or paying another to write or research a paper for one's own benefit.
4. Purchasing, acquiring, and using for course credit a pre-written paper.

The critical issue is to give proper recognition to other sources. To do so is both an act of personal, professional courtesy and of intellectual honesty.

Plagiarism on the part of a student in academic work or dishonest examination behavior will result minimally in the instructor assigning the grade of "F" for the assignment or examination. In addition, all instances of academic dishonesty must be reported to the chairperson of the department involved. The chairperson may constitute a hearing board to consider the imposition of sanctions in addition to those imposed by the instructor, including a recommendation of expulsion, depending upon the seriousness of the misconduct.

Academic cheating is another serious act that violates academic integrity. Obtaining, distributing, or communicating examination materials prior to the scheduled examination without the consent of the teacher; providing information to or obtaining information from another student during the examination; attempting to change answers after the examination has been submitted; and falsifying medical or other documents to petition for excused absences all are violations of the integrity and honesty standards of the examination process.

In the case of multiple instances of academic dishonesty across departments, the academic dean of the student's college may convene a hearing board. Students retain the right to appeal the decision of the hearing board to the academic dean of the college in which they are registered. The decision of the dean is final in all cases except expulsion. The sanction of expulsion for academic dishonesty may be imposed only by the Provost upon recommendation of the dean.