

General Chemistry 101 - Fall 2012

Zachary Osner, PhD
 Flanner Hall 200A, Loyola University
 zosner@luc.edu

Lecture M/W/F 11:30-12:20 p.m. Cuneo Hall-109 (Sect 005)

Discussion Mon 12:35-1:25 p.m. Cuneo Hall-109 (Sect 006)
 Tue 8:30-9:20 a.m. Cuneo Hall-109 (Sect 007)

Office Hours Tues & Fri 1:00 p.m. – 2:30 p.m.

Required Text: Brown, LeMay, Bursten, Murphy, Woodward Chemistry-The Central Science 12th Ed.
 ISBN 978-0-321-69672-4

1. *Exam Dates (subject to change):*

Friday, September 21, 2012:	Mid-term Exam 1
Friday, October 19, 2012:	Mid-term Exam 2
Monday, November 11, 2012:	Mid-term Exam 3
Monday, December 10, 2012:	Final Exam, 1:00-3:00 p.m.

2. *Exams and Grading:*

There are three 50-minute mid-term exams and one 2-hour final exam. The lowest of the three mid-term exams will be dropped. If you miss an hourly exam, that is the exam that will be dropped. No make-up mid-term exams will be given under any circumstances. The final exam is cumulative and cannot be dropped. A calculator

MasteringChemistry Homework	100 points
Mid-term exam	100 points (Best two out of three mid-term exams)
Mid-term exam	100 points
<u>Final Exam</u>	<u>150 points</u>
TOTAL	450 points

You must bring a form of photo identification, such as your Loyola Student ID or your driver's license, with you to the exam. During exams, you will be required to leave your books, backpacks, notebooks, etc. at the front of the room. All exams are closed book and closed notes unless otherwise noted. When you are finished with your exam, please bring your completed exam to the front, and leave the room quietly without disturbing the other students.

Exams will be graded and returned to you as quickly as possible, usually by the following week. All grading questions, points of clarification, and grading errors must be brought to the instructor's attention during office hours no later than one week after return of the exam.

The grading scale used to determine letter grades are as follows: **A** 100 – 93, **A-** 92 – 86, **B+** 85 – 82, **B** 81 – 78, **B-** 77 – 74, **C+** 73 – 70, **C** 69 – 65, **C-** 64 – 62, **D** 61 – 50, **F** < 50.

3. *MasteringChemistry Homework (ZOSNERCHEM101FALL2012:* There will be MasteringChemistry homework sets for each chapter we cover, for a total of 110 points. Only 100 points will count towards your final grade. Any points earned over 100 will be counted as extra credit.

4. *Blackboard Materials:* Handouts given in class will be mirrored on Blackboard.

5. *Academic Honesty:* All students in this course are expected to have read and abide by the demanding standard of personal honesty, drafted by the College of Arts & Sciences, that can be viewed at:

http://www.luc.edu/cas/pdfs/CAS_Academic_Integrity_Statement_December_07.pdf

Anything that you submit that is incorporated as part of your grade in this course (*e.g.* quiz, examination, homework, lab report) must represent your own work. Any students caught cheating will, at the very minimum, receive a grade of “zero” for the exam that was submitted and this grade cannot be dropped. If the cheating occurred during a course exam, the incident will be reported to the Chemistry Department Chair and the Office of the CAS Dean. Depending on the seriousness of the incident, additional sanctions may be imposed.

6. *Office Hours:* My office door will be open per the times listed. Please use this time to if you have extra questions regarding this course. If you are unavailable to meet at the listed times, please feel free to email me with any questions. However, if you email me at night (after 6:00 p.m.), on weekends, or during holiday breaks I will respond to your email within 12 hours.

7. *Students with Disabilities Policy:* Eligibility for services is determined on an individual basis based on documented need. Self-disclosure and the submission of documentation can be initiated anytime during the year. However, reasonable time must be allowed before the student can expect accommodations to be in place. Self-disclosure and documentation are required only if students plan to request accommodations. Students should provide information and documentation at a reasonably early date to allow time for the development and arrangement of appropriate accommodations. In some cases, several weeks’ advance arrangement is needed. Accommodations cannot be retroactive. Accommodations begin only after documentation is received and reasonable time for accommodation development has been allowed.

<http://www.luc.edu/sswd/index.shtml>

General Chemistry 101 Tentative Lecture Schedule (subject to change)

8-27	1	Introduction: Matter and Measurement
8-29	1	Introduction: Matter and Measurement
8-31	1	Introduction: Matter and Measurement
9-3	--	<i>Labor Day</i>
9-5	2	Atoms, Molecules, and Ions
9-7	2	Atoms, Molecules, and Ions
9-10	2	Atoms, Molecules, and Ions
9-12	3	Stoichiometry: Calculations with Chemical Formulas and Equations
9-14	3	Stoichiometry: Calculations with Chemical Formulas and Equations
9-17	3	Stoichiometry: Calculations with Chemical Formulas and Equations
9-19	3	Stoichiometry: Calculations with Chemical Formulas and Equations
9-21	--	EXAM I (Chapters 1-3 or as announced)
9-24	4	Reactions in aqueous media
9-26	4	Reactions in aqueous media
9-28	4	Reactions in aqueous media
10-1	4	Reactions in aqueous media
10-3	5	Thermochemistry
10-5	5	Thermochemistry
10-8	--	<i>Fall Break</i>
10-10	5	Thermochemistry
10-12	5	Thermochemistry
10-15	6	Electronic Structure of Atoms
10-17	6	Electronic Structure of Atoms
10-19	--	EXAM II (Chapters 4-6 or as announced, cumulative)
10-22	7	Periodic Properties of the Elements
10-24	7	Periodic Properties of the Elements
10-26	7	Periodic Properties of the Elements
10-29	8	Basic Concepts of Chemical Bonding
10-31	8	Basic Concepts of Chemical Bonding
11-2	8	Basic Concepts of Chemical Bonding
11-5	9	Molecular Geometry and Bonding Theories
11-7	9	Molecular Geometry and Bonding Theories
11-9	9	Molecular Geometry and Bonding Theories
11-12	--	EXAM III (Chapters 7-9 or as announced, cumulative)
11-14	10	Gases
11-16	10	Gases
11-19	10	Gases
11-21	--	<i>Thanksgiving Break</i>
11-23	--	<i>Thanksgiving Break</i>
11-26	10	Gases
11-28	11	Liquids and Intermolecular Forces
11-30	11	Liquids and Intermolecular Forces
12-3	11	Liquids and Intermolecular Forces
12-5	11	Liquids and Intermolecular Forces
12-7	--	Review for Final
12-10	--	FINAL EXAM CUMULATIVE 1:00-3:00 p.m.