

Syllabus for CHEM 101- 001 - Fall Semester 2016

General Chemistry, 3 Credit hours; Co-requisite CHEM 111

Instructor: Martina Schmeling, PhD, Flanner Hall 408, phone 773-508-3124,
e-mail: mschmel@luc.edu;
URL: <http://www.luc.edu/chemistry/facultystaff/schmelingmartina.shtml>

Class Material:

Chemistry – The Central Science, 13th Edition, Brown, LeMay, Bursten, Murphy, Woodward, Stoltzfus, Prentice Hall 2014.

Mastering Chemistry, Homework and Resources – www.masteringchemistry.com; course ID: CHEM101SCHMELINGFS16

Objectives:

The course will introduce students into the basic knowledge of chemistry. Topics include: Matter, Atoms and Atomic Structure, Ions, Stoichiometry, Periodic Table and Periodic Properties, Chemical Reactions in Aqueous Media, Chemical Bonding, Thermochemistry, Gases, Liquids and Solids. The students will learn factual knowledge and fundamental principles of chemistry and science in general. In addition emphasis on the application of the acquired knowledge in other fields than chemistry will be placed.

Class procedure:

Class hours are Monday, Wednesday, and Friday from 8:15am to 9:05am. Classes meet in Cuneo Hall Room 109. Discussion sections (CHEM 101 – 002/003) are scheduled for Wednesday and will meet in Flanner Hall, Room 7 (basement). Please consult the Fall 2016 course schedule for your discussion meeting time. Participation in discussion sections is mandatory and will make up 10% of the final grade. Three in class exams additionally to the final exam are scheduled for September 28, October 26, and November 30. The final exam will take place according to the university schedule on Thursday, December 15, 2016 from 9:00-11:00am in Cuneo 109. Problem sets will be assigned regularly in Mastering Chemistry and have to be completed by the assigned date to get credit. It is highly recommended that the students form study groups to go over the material covered in class and prepare for the exams. Class attendance is mandatory and short quizzes related to the lectures will be given each week to ensure continuing participation. The quizzes will be posted on Sakai and should be returned by the assigned due date and time.

Grading:

5% of the total grade will be made up by **completed homework problem** sets on Mastering Chemistry.

10% of the total grade will be made up by the **average quiz grade**.

10% of the total grade will be comprised of the **discussion** section performance.

The **three in class exams** count together **60%**.

Participation in the three in-class exam is mandatory and **no make-up exams** will be given. If a student misses for any reason one in-class exam, the average of the two remaining in-class exams will be taken and accounts for 60% of the final grade.

The **final exam** counts **15%**.

The final exam is mandatory for everybody. If for any reason a student misses the final exam he/she must consult with the Dean and the Department Chair.

Grading Scale in %

100-94%	A
93-88%	A-
87-84%	B+
83-80%	B
79-77%	B-
76-73%	C+
72-69%	C
68-65%	C-
64-60%	D+
59-50%	D
<50%	F

Academic Integrity:

All students are expected to perform the highest level of academic integrity while taking exams and must read and abide by the demanding standard of personal honesty, drafted by the College of Arts and Sciences. This can be found at:

<http://luc.edu/media/lucedu/cas/pdfs/academicintegrity.pdf>. It is your responsibility to read this and behave correspondingly. Anything you submit that is incorporated as part of your grade in this course must represent your own work. **Any students caught cheating will, at the very minimum, receive a grade of “zero” for the item 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 CAS Dean. Depending on the seriousness of the incident, additional sanctions may be imposed.

Students with Disabilities:

Students seeking academic accommodations for a disability must meet with Services for Students with Disabilities (SSWD) to verify the disability and to establish eligibility for accommodations. Students may visit SSWD in Sullivan Center - Suite 117, call 773-508-3700, email

SSWD@luc.edu or visit LUC.edu/sswd to begin the process. Students are encouraged to contact SSWD as early in the semester as possible.

Office Hours:

Office hours are scheduled for Monday 9:30AM to 10:30AM and for Wednesday 11:30AM-12:30PM. My office is located in Flanner Hall, 4th floor, room 408.

Discussions:

Discussion Sections for CHEM 101 - 001 are [CHEM 101 - 002/003](#). All of them are scheduled for Wednesday and are mandatory. Please participate only in the discussion section in which you are enrolled. Discussions account for 10% of the total grade. In the discussion section, problem sets will be handed out for solving. Students are permitted to work on the problems in pre-assigned small groups of 3-4, but each student has to turn in his/her own results to the instructor. The results will be graded and returned and the answers posted on Sakai. Discussions are a highly effective way to understand the class material and ask questions.

A Special Note about the CHEM 111 Lab Co-Requisite:

Students wanting to drop lecture after midterm may stay in the co-req lab only if he midterm grade, posted in LOCUS, is a D or better. Students should continue to attend lecture until the week of the drop date to gain as much background knowledge as possible. For Fall 2016 students wishing to drop lecture, and have a mid-term grade of D or better, can seek assistance from the Department of Chemistry and Biochemistry office beginning Monday 10/31 at 9:00am through Friday 11/4 at 4:00pm. Students with a midterm grade of F must drop the co-req lab along with the lecture. No exceptions.