

# Syllabus for CHEM 101-019 – Fall Semester 2019

**General Chemistry, 3 Credit hours; Pre-requisites MTP or MATH 117**

## Instructor:

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## Class Material:

Chemistry – The Central Science, Brown, LeMay, Bursten, Murphy, Woodward, Stoltzfus, Prentice Hall.

*Mastering Chemistry Homework and Resources:*

<https://www.pearsonmylabandmastering.com/northamerica/masteringchemistry/> Mastering

Chemistry Course Title: [CHEM101-019 Schmeling](#)

Mastering Chemistry Course ID: [CHEM101SchmelingFall2019](#)

## Objectives:

The course will introduce students into the fundamental principles of chemistry. Students will learn the language of chemistry and develop their skills in scientific problem solving and critical thinking. This will serve as a foundation for further study in chemistry, other sciences and related disciplines. Topics include: matter, atoms and their structure, molecules and ions, stoichiometry and chemical reactions, composition of the periodic table and periodic properties of elements, elements of chemical bonding, and gases and their fundamental behavior.

## Class Procedure:

Class hours are Monday, Wednesday and Friday from 8:15am to 9:05am. Classes meet in Cuneo Hall Room 210.

Discussion sections (CHEM 101 – 020/021) are scheduled for Friday morning and will meet in Flanner Hall, Room 105. Please consult the Fall 2019 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 20, October 18, and November 13, 2019.

The final exam will take place according to the university schedule on Thursday, December 12, 2019 from 9:00-11:00am in Cuneo 210.

Homework 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**. Quizzes have to be completed by the assigned date and time to count towards the total 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. Students will have exactly two hours to complete the final exam and additional time will not be granted, even if a student arrives late. There will be no make-up final exams given under any circumstances, and the exam will not be given earlier either. If for any reason a student misses the final exam he/she must consult with Dean Patricoski (apatricoski@luc.edu).

### ***Grading Scale in %***

100-94%	A
93-88%	A-
87-85%	B+
84-79%	B
78-75%	B-
74-71%	C+
70-64%	C
63-60%	C-
59-50%	D
<50%	F

### Discussions:

Discussion Sections for CHEM 101 - 019 are [CHEM 101 - 020/021](#). All of them are scheduled for Friday morning and are mandatory: CHEM 101-020 convenes in FH 105 between 9:20 and 10:10 AM and CHEM 101-021 convenes in FH 105 between 10:25 and 11:15 AM. 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 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. The first discussion will take place on [August 30, 2019](#).

### Office Hours:

Office hours are scheduled for Monday 9:30 to 10:30 AM and Wednesday from 10:00 to 11:00 AM. My office is located in Flanner Hall, 4<sup>th</sup> floor, room 408.

### 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. Depending on the seriousness of the incident, additional sanctions may be imposed.

### Student Accommodations:

Students seeking academic accommodations for a disability must meet with the Student Accessibility Center (SAC) to verify the disability and to establish eligibility for accommodations. Students may visit SAC in Sullivan Center - Suite 117, call 773-508-3700, email [sac@luc.edu](mailto:sac@luc.edu), or visit <https://www.luc.edu/sac/about/> to begin the process. Students are encouraged to contact SAC as early in the semester as possible.

### Students with Co-Curricular Activities:

Students missing classes while representing Loyola University Chicago in an official capacity (e.g. intercollegiate athletics, debate team, model government organization) are allowed to make up any assignments and will receive any information distributed in the missed classes either electronically or as hardcopy. Students have to provide proper documentation describing the reason for and the date(s) of the absence and this documentation has to be signed by the instructor before the absence occurs. The student missing a class or assignment is responsible for making up that assignment at the time negotiated with the instructor.  
(<https://www.luc.edu/athletheadvising/attendance.shtml>)

### Course Repeat Rule:

Effective with the Fall 2017 semester, students are allowed only THREE attempts to pass Chemistry courses with a C- or better grade. The three attempts include withdrawals (W). After the second attempt, the student must secure approval for a third attempt. Students must come to the Chemistry Department, fill out a permission to register form or print it from the Department of Chemistry and Biochemistry website: <http://www.luc.edu/chemistry/forms/> and personally meet and obtain a signature from either the Undergraduate Program Director, Assistant Chairperson, or Chairperson in Chemistry. A copy of this form is then taken to the Academic Advisor of the student in Sullivan to secure final permission for the attempt.

**Accommodations for Religious Reasons:**

Students who observe religious holidays, which will cause missing class or otherwise effect performance in the class must alert the instructor within 10 calendar days of the first class meeting of the semester to request special accommodations, which will be handled by a cases by case basis.