

## Chemistry 101 005 Spring, 2018 Course Guidelines

Instructor: David Klinger, Cudahy Hall 408, 773 508 3432 dklinger@luc.edu

Office Hours: MF 10:30 am – 12:00 noon, or by appointment.

Class Hours: MWF 2:45 pm – 3:35 pm Galvin Aud

Discussion Sections: Th 8:30 am – 9:20 am Cuneo Hall 116  
Th 10:00 am – 10:50 am Flanner Aud

Textbook: *Chemistry, the Central Science*, by Brown, LeMay et al. Fourteenth Edition. This text will also be used in Chemistry 102.

The course will cover essential material of Chapters 1 – 10 & 23 of the text. The topics will include:

1. Matter, measurements, physical and chemical properties.
2. Atomic theory and the elements; molecules, ions, and compounds.
3. Stoichiometry and chemical formulas.
4. Reactions in Aqueous Solution
5. Thermochemistry
6. The electronic structure of atoms
7. More electronic structure: periodic law.
8. Chemical bonding and molecular structure.
9. More molecular structure
10. Gas Laws
23. Nuclear Chemistry

### Course Grade Components

3 midterm exams	60%
1 final exam	40%

### Grade Scale

A [94-100]
A- [91-94]
B+ [88-91]
B [83-88]
B- [80-83]
C+ [77-80]
C [72-77]
C- [68-72]
D+ [65-68]
D [59-65]
F [0-59]

### Exams:

There are three fifty-minute exams scheduled. No make-up exams (more on that below). There is also a two-hour cumulative final exam. Your student ID, a calculator and number two (2) pencils are expected to be brought to each exam.

Instances of academic dishonesty will warrant immediate failure of the course plus referral to the Arts and Sciences Dean's office. Please review the College's policy on academic integrity via the Loyola University website.

Exam will be graded and exam score sheets returned as soon as possible. All grading questions, errors, and points of clarification must be brought to the instructor's attention during office hours no later than one week after return of the exams score sheets.

### Assignment of Grades:

As per the text boxes above. If you miss an exam, for any reason, the final exam will be weighted appropriately more. If you miss two exams, or the final, and let's hope no one does, please notify DK as soon as practical (Only university sanctioned/documentated absences acceptable).

An aim of the grading policy is to allow time and incentive for improvement. Chemistry is not easy to learn, but the process can be rewarding if necessary effort is made to master fundamentals as they appear. Students are urged to contact DK to discuss problems before they become serious.

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**Homework:** Mastering Chemistry assignments will be given as a tool to help students learn the material. However, these homework assignments will not count towards your final grade. Doing problems, for example assigned homework problems, is the only way for you to know if you have learned/mastered the material. Master Chemistry: **MCKLINGERSPRING2018**

**Quizzes:** Quizzes will be featured during the discussion periods. Discussion participation plus completion and hand-in of each quiz may warrant one percentage point of credit applied to the up-coming exam.

**Sakai Materials:** There will be multiple postings on *Sakai*. Please check the website every day or two for the latest additions. Errors should be brought to the instructor's attention as soon as possible.

### Schedule:

The typical week will feature Monday, Wednesday, and Friday lectures at 2:45 PM. Thursday discussions will feature informal Elmo-talks, Q & A, and a quiz.

M	01.17.18	First Class Meeting. Please read Chapter 1 before coming to class
F	02.09.18	<b>Exam I</b>
M	03.03.18	Spring Break Begins ☺🎵
F	03.16.18	<b>Exam II</b>
F	03.30.18	Easter Break Holiday
M	04.02.18	Easter Break Holiday
F	04.13.18	<b>Exam III</b>
F	04.27.18	Last Day of Class
M	05.04.18	<b>Final Exam 4:15 PM – 6:15 PM (Friday of Finals Week)</b>

**Conduct in class:** We all like to be treated fairly and respectfully. Please extend the same courtesy you would like to receive to everyone else in class, including me. Above all, please respect students' learning process (including your own), and my teaching process.

**Accommodations for Persons with Disabilities:** Students who have disabilities which they believe entitle them to accommodations under the Americans with Disabilities Act should register with the Services for Students with Disabilities (SSWD) office. To request accommodations, students must schedule an appointment with an SSWD coordinator. Students should contact SSWD at least four weeks before their first semester or term at Loyola. Returning students should schedule an appointment within the first two weeks of the semester or term. The University policy on accommodations and participation in courses is available at: <http://www.luc.edu/sswd/>

I have a personal interest in helping students who have a physical or psychological difference that impedes their ability to study and/or learn. Please do not hesitate to ask me about your options, although of course the folks in the SSWD Office in Sullivan are always the best resource if you have questions. I will do whatever I can (that is appropriate) to help you navigate these waters.

Lab Students Please Note: Students wanting to drop lecture after midterm may stay in the co-req lab only if lecture midterm grade, posted in LOUCS, is a D or better. Students should continue to attend the lecture until the week of the drop date to gain as much background knowledge as possible. For Spring 2018 students wishing to drop lecture, and have a mid-term grade of D or better (in lecture), can seek assistance from the Department of Chemistry & Biochemistry office beginning Tuesday March 20 at 9:00am through Monday March 26<sup>th</sup> at 4:00pm. Students with a midterm grade of F must drop the co-req lab along with the lecture. No exceptions.