

## Chem 101 007

Fall 2017

**Instructor:** David Klinger

**Class Meetings:** Lectures: MWF 11:30 AM – 12:20 PM LSB 142

**Instructor Office Hours:** MTF 1:40 – 2:30 PM

**Contact Information:** Cudahy 101, phone 773-508-3432, email [dklinger@luc.edu](mailto:dklinger@luc.edu)

**Text:** *Chemistry, The Central Science*, Brown LeMay et al., 14th edition, Pearson,

**Online Learning Resource:** MasteringChemistry Pearson (**KLINGERCHEM101FALL17**)

**In-Class Question/Quiz Tool:** TopHat (Join Code 939626)

**Course Prerequisite:** A grade of C- in Math 117 or Math Diagnostic Test

### Goals and Philosophy

This course provides an introduction to the science of chemistry. Another, perhaps more important goal is to enhance your quantitative problem-solving skills. Such skills are useful throughout life, in almost everything you do (e.g. the Verbal Reasoning part of the MCAT).

### Prerequisite

Satisfactory performance on the Loyola math proficiency test or Math 117 (or equivalent) with a grade of C or better. High school chemistry is recommended.

### Grading

Your grade in the course will be determined by grades on homework assignments, in-class participation, quizzes, two hour exams and a final exam. Extra credit opportunities (up to 4% of course grade) will be offered during the term.

**Homework** (MasteringChemistry) will represent an important component of this course: mastering the concepts and skills of this course (or any science/math course) requires in-depth investigation of the material. Homework assignments will provide the practice you will need to achieve fluency in chemistry. No credit for late homework.

**In Class Participation/Quizzes:** In-class questions and short quizzes delivered during class without notice. Approximately ten quizzes throughout the term. Never more than 15 minutes long, usually 5-10 minutes. Lowest quiz score will be dropped. In-class questions daily.

**Hour Exams** will be given twice during the Fall term. The first will be on Friday, October 6<sup>th</sup>, and the second one will be on Friday November 17<sup>th</sup>. The scope of the exams will be discussed thoroughly in class prior to exam dates.

The **final exam** will be given in this room (LSB 142) on Monday, December 11<sup>th</sup> from 1:00 pm - 3:00 pm. The final exam will be comprehensive, covering everything we have studied during the semester.

## Student Evaluations and Final Grade

Homework	5%
In-Class Participation	5%
Quizzes	10%
Hour Exams	50%
Final Exam:	30%
Extra Credit:	4%

Letter Grade	Percentage
A	>90%
B	80 - 90%
C	60 – 80%
D	50 – 60%
F	< 50%

I reserve the right to lower the thresholds for certain grades, in other words, final averages in the 80s might earn A's, but I will not under any circumstances raise the thresholds for grades.

**MasteringChemistry:** Unless a MasteringChemistry access card comes with your textbook, the least expensive way to get access is to go to MasteringChemistry.com and register for this course using the information provided on the accompanying mastering sign-up sheet. The last time I checked, Mastering alone, without the e-text is about \$70.00. *To insure flawless transfer of your mastering scores to the course gradebook on Sakai, please use your Loyola e-mail address and no other.*

### **Policy for missed exams and assignments**

Students are expected to take exams on the scheduled dates and times. Make up exams for hour exams will be given if and only if one (or more) of the following conditions is met:

- Illness or hospitalization requiring physician's intervention.
- Death of a close family member.
- Unavoidable court date (including jury duty).
- Representing Loyola in an official capacity which requires your absence from class (i.e., debating team, model UN, intercollegiate athletics).
- Religious observance that prohibits normal work/school activities on that day.
- Off-campus interview for graduate or professional school.

Travel is not a valid reason for missing exams or assignments unless it is for one of the reasons listed above. In all cases, students must provide written, relevant and verifiable documentation of the circumstances.

If homework is late due to one of the reasons listed above, I will work with the student to determine an appropriate alternate assignment. Similarly for quizzes and in-class questions.

### **Policy Regarding Academic Dishonesty**

It is my expectation that each of you will continue to meet the high standards of conduct that I have come to expect from Loyola students.

Academic dishonesty on exams, which includes specifically but not exclusively copying from another's paper, using crib notes, transferring information to another student during the exam, will result in a grade of F for the course.

In all cases of academic dishonesty, I will send copies of the material to the Dean's Office for inclusion in your permanent Loyola file.

You can review Loyola's policies on academic honesty by reading the following links:

[www.luc.edu/education/academics\\_policies\\_integrity.shtml](http://www.luc.edu/education/academics_policies_integrity.shtml)

[http://www.luc.edu/education/academics\\_policies\\_main.shtml](http://www.luc.edu/education/academics_policies_main.shtml)

Please see section below for the policies regarding use of electronic devices in class.

### **Use of electronics during class period**

Use of TopHat requires a Wi-Fi connected device. Please see me if you do not have one to use during class. As with all electronic devices (in fact all of your behavior in class), the principle aspect is not to disturb the learning process - not your neighbor's, nor your own, and certainly not my teaching process.

Prior to the hour exams and final exam, I will remind you to turn off and store out of sight all electronic devices. The visible presence of any electronic device (with internet and/or communications capabilities) will constitute academic dishonesty and will result in a grade of zero on the exam.

**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.

### **General Comments (or how to succeed in this course)**

This is a course where students are encouraged to be active participants in the study of chemistry. I urge you to ask questions in and/or out of class; don't leave class without asking those nagging questions that you can't figure out (but assume you will get upon further reflection doing homework). This is material that requires thought and practice, and the more ways we have of analyzing a problem the more we can expand and enhance your understanding of how to frame and solve interesting problems in chemistry.

Reading assignments are expected to be completed prior to coming to class.

Related to this issue of preparation for lecture is class attendance. Though not enforced as such, class attendance is highly correlated with success in this class. Similarly, if you miss a lot of class, you are likely to receive a poor grade or withdraw from the course.

I will make use of email and Sakai to communicate with the class in aggregate, so please check your (Loyola) email and Sakai frequently. The use of non-Loyola e-mail addresses for this course are strongly discouraged, as Sakai may not forward communications correctly (or at all!) to other accounts such as gmail.

There are many resources available to help you achieve success in this course. Always feel free to contact me and come to my office. I am happy to work with you to develop individual study plans for this course. If my posted office hours are not convenient for you, I will gladly work with you to find a mutually convenient time. Tutoring in Sullivan 245 is available by reservation at <https://tutortrac.luc.edu>