

Syllabus for Chemistry 101 2:50 pm MWF

Loyola University: Fall 2021

Instructor: Dr. Conrad Naleway; Office FH 200C

Office hours: Mondays 1-2 pm. FH129 (Conference Room) , Tuesday 6-7 pm. Zoom Site 495 082 9636

SI Leader: Cole Gebert, cgebert1@luc.edu

Meeting Times; Days & Rooms:

Lecture: **2:50-3:40pm MWF in Flanner Hall-Auditorium**

Discussion & Quizzes: Wednesday 9:30am (FH007), 10:50am(FH007), and 12:10pm (FH007)

Materials:

Text: Chemistry 14th Edition: Theodore E Brown, et. al. (Prentice Hall) and **MasteringChemistry access code is required.** Chem101.co instructions for purchase will follow. Please note that the text is a secondary source of information to help clarify concepts presented in lecture. **MasteringChemistry ID= naleway60320**

The primary information is presented in class and also appears on website and lecture handout materials.

Calculators will be needed for homework assignments and exams but do not need to be programmable but should have log/trig functions (typically under \$20). Use of any electronic or mechanical communication device during examination is considered academic dishonesty and will result in immediate failure of the class (see details below)

Website: *conradnaleway.net/chem101.html* *materials will also be posted on Sakai (sakai.luc.edu)*

Exams: **Midterms:** Wed: [9/22] Wed: [10/20] Mon: [11/22] **Final:** Thurs: [12/16] 8PM

There will be three exams scheduled during the lecture periods and a cumulative final exam. All exams will consist of questions and problems representative of the lecture and text material. All answers to test problems must contain detailed information illustrating the steps and method of solution. Answers must contain correct units since this is an essential aspect of the course. **There will be no make-up quizzes, or exams given unless extreme and documented circumstances might occur. Missed exam will be counted as dropped exam.**

All exams must be signed in the front, upper right-hand corner. This signature will be taken as a statement of honest and completely independent work. Instances of academic dishonesty will warrant **immediate failure** of the course plus referral to the Dean's office. For more information on university policy, please read: <http://www.luc.edu/cas/advising/academicintegritystatement/>

Exams will be graded and returned as soon as possible, usually the next class period. 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 exam is returned.** There will be no exceptions to this rule! Each returned exam must be copied with original being returned to instructor with a handwritten note stapled to exam addressing concern(s). *Only exams completed in INK are eligible for possible re-grading.*

Exam Grade (60%) will be assigned according to the highest percentage computed by the two methods:

- 1) All three midterms plus the cumulative final are averaged. Thus, each exam will weigh 1/4.
- 2) The top two mid-term exams weigh 1/4 each, and the final exam will weigh 1/2. This equates to the final exam score replacing the lowest midterm score.

Pre-assignment MasteringChemistry and Post-Chem101 Homework (20%)

Grading settings for MasteringChemistry are visible within each assignment. Use each assignment to prepare for the upcoming lecture. Each assignment is weighted equally in the overall homework grade. Typically, due before each class and found online at masteringchemistry.com

Discussion Quizzes (20%)

A problem set or quiz will be given in each discussion class. Each will cover material from the previous week of lectures. No make-ups will be given. Any missed discussion is scored as a zero. At the end of the semester, the lowest score will be dropped.

Final Course Grade will be based upon:

60% Exam Grade (2 options, see above)

20% Homework (MasteringChemistry Pre-Assignments) and Chem101.co Post-Assignments

20% Discussion Problem Sets/Quizzes (Participation is Required)

NOTE: **Grade is NOT based upon a class curve.** Thus, individual performance determines one's grade and is not influenced by other's performance. This should encourage each student to work collectively to help each other learn. Often discussing and working through a problem with someone else, helps one more than the other person, since it forces one to more critically see through a problem. Tutorial help is also available at the Tutoring Center, www.luc.edu/tutoring

Assignment of Final Grade:

A	100% - 92%
A-	90-91%
B+	88-89%
B	87% - 80%
B-	79-78%
C+	77-76%
C	75% - 60%
C-	61-60%
D	59% - 50%
F	<50 %

NOTE: **In order to get a straight grade such as an A or B, one must have AT LEAST ONE exam grade with that straight grade value.**

Other Policies:

Academic Integrity

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

<http://www.luc.edu/cas/advising/academicintegritystatement/>

A basic mission of a university is to search for and to communicate the truth as it is honestly perceived. A genuine learning community cannot exist unless this demanding standard is a fundamental tenet of the intellectual life of the community. Students of Loyola University Chicago are expected to know, to respect, and to practice this standard of personal honesty.

Academic dishonesty can take several forms, including, but not limited to cheating, plagiarism, copying another student's work, and submitting false documents.

Any instance of dishonesty (including those detailed on the website provided above or in this syllabus) will be reported to The Chair of The Department of Chemistry & Biochemistry who will decide what the next steps may be. Instances of academic dishonesty will warrant **immediate failure of the course plus referral to the Dean's office.**

Supplemental Instruction (SI)

There are Supplemental Instruction (SI) study sessions available for this course. An SI leader, who is a student that has recently excelled in the course, leads SI sessions. Session attendance is open to all and is voluntary, but extremely beneficial for those who attend weekly. Times and locations for the SI session can be found here: www.luc.edu/tutoring. Students who attend these interactive sessions find themselves working with peers as they compare notes, demonstrate and discuss pertinent problems and concepts, and share study and test-taking strategies. Research shows students whom regularly attend sessions have higher grades at the end-of-the-semester and more deeply understand course concepts than those who do not. Students are asked to arrive with their Loyola ID, lecture notes, and textbook.

Students should discuss with faculty the potential consequences of missing lectures and the ways in which they can be remedied. Students must provide their instructors with proper documentation (develop standard form on web) describing the reason for and date of the absence. This documentation must be signed by an appropriate faculty or staff member, and it must be provided as far in advance of the absence as possible. It is the responsibility of the student to make up any assignments. If the student misses an examination, the instructor is required to give the student the opportunity to take the examination at another time. (<https://www.luc.edu/athleteadvising/attendance.shtml>)

Returning to Campus:

Please be familiar with and adhere to all guidelines posted on the *On-Campus Guidelines in Classroom Scenarios of the Return to Campus Guidelines* site: (<https://www.luc.edu/returntocampus/classroomscenarios/>)

Final Exam:

The University sets the schedule for all final exams. The final will be held on: **Th 12/16 8 PM** You will have exactly 2 hours to complete the exam. Additional time will not be granted, even if you start late. There will be no make-up final exams given under any circumstance, and the exam will not be given early, either.

Instructors may not reschedule final exams for a class for another day and/or time during the final exam period. There can be no divergence from the posted schedule of dates for final exams. Individual students who have four (4) final examinations scheduled for the same date may request to have one of those exams rescheduled. If a student reports having four final examinations scheduled for the same date, students should be directed to e-mail a petition to Adam Patricoski, Assistant Dean for Student Academic Affairs, CAS Dean's Office (apatricoski@luc.edu).

All students who have four (4) final examinations scheduled for the same date may request to have one of those exams rescheduled. If a student reports having four final examinations scheduled for the same date, students should be directed to email a petition to Lester Manzano, Assistant Dean for Student Academic Affairs, CAS Dean's Office (lmanzan@luc.edu).

Accommodations for Religious Reasons

If you have observances of religious holidays that will cause you to miss class or otherwise effect your performance in the class you must alert the instructor **within 10 calendar days of the first class meeting of the semester** to request special accommodations, which will be handled on a case by case basis

Face Mask Policy:

As a Departmental policy, even in the event the University relaxes its universal requirement for **indoor mask-wearing** during the Fall 2021 semester, it will remain a principle of this class-section that, out of respect for the health of housemates and others in regular contact with members of our community, in this class we properly wear masks at all times (e.g. over nose and mouth).

PASS/FAIL Conversion Deadlines and Audit Policy :

A student may request to convert a course into or out of the "Pass/No-Pass" or "Audit" status only within the first two weeks of the semester. For the Fall 2021 semester, students are able to convert a class to "Pass/No-Pass" or "Audit" through Monday, September 13th. Students must submit a request for Pass/No-Pass or Audit to their Academic Advisor.

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 & 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 your Academic Advisor in Sullivan to secure final permission for the attempt.

Student Accommodations

The Student Accessibility Center (formerly known as Services for Students with Disabilities), Sullivan Center (773-508-3700), <http://www.luc.edu/sac>, has the mission "to support, service, and empower Loyola University Chicago students with disabilities" and to "Partner with faculty and staff to provide opportunities for collaboration, professional development, personal growth, and staff interaction, as they relate to students with disabilities." Please direct all questions concerning accommodations of disabilities to the Student Accessibility Center. Academic accommodations afforded to students require documentation and review. The Student Accessibility Center will issue accommodation letters for registered students to present to their instructors: accommodations are not active until students present these letters to their instructors. If students' accommodations involve attendance or deadlines, instructors and students will jointly complete and execute an Agreement Form articulating their terms. See <https://www.luc.edu/sac/faculty/facilitatingaccommodations/> for guidance about implementing various kinds of accommodations in a way that is appropriate to your class. The Student Accessibility Center stands ready to work with you.

Loyola University Absence Policy for Students in Co-Curricular Activities (including ROTC):

Students missing classes while representing Loyola University Chicago in an official capacity (e.g. intercollegiate athletics, debate team, model government organization) shall be allowed by the faculty member of record to make up any assignments and to receive notes or other written information distributed in the missed classes.

Students should discuss with faculty the potential consequences of missing lectures and the ways in which they can be remedied. Students must provide their instructors with proper documentation (develop standard form on web) describing the reason for and date of the absence.

This documentation must be signed by an appropriate faculty or staff member, and it must be provided as far in advance of the absence as possible. It is the responsibility of the student to make up any assignments. If the student misses an examination, the instructor is required to give the student the opportunity to take the examination at another time.

<https://www.luc.edu/athleteadvising/attendance.shtml>

Online Class Specifics as Implemented:

Recording of Zoom class meetings

In this class software will be used to record live class discussions. As a student in this class, your participation in live class discussions will be recorded. These recordings will be made available only to students enrolled in the class, to assist those who cannot attend the live session or to serve as a resource for those who would like to review content that was presented. All recordings will become unavailable to students in the class when the course has concluded. Students will be required to turn on their cameras at the start of class. Students who have a need to participate via audio only must reach out to me to request audio participation only without the video camera enabled. The use of all video recordings will be in keeping with the University Privacy Statement shown below.

Privacy Statement

Assuring privacy among faculty and students engaged in online and face-to-face instructional activities helps promote open and robust conversations and mitigates concerns that comments made within the context of the class will be shared beyond the classroom. As such, recordings of instructional activities occurring in online or face-to-face classes may be used solely for internal class purposes by the faculty member and students registered for the course, and only during the period in which the course is offered. Students will be informed of such recordings by a statement in the syllabus for the course in which they will be recorded. Instructors who wish to make subsequent use of recordings that include student activity may do so only with informed written consent of the students involved or if all student activity is removed from the recording. Recordings including student activity that have been initiated by the instructor may be retained by the instructor only for individual use.

Schedule for Chemistry 101 (2:50 pm Fall 2021)

Chapter	Topic	Pages		Class #	Tentative Class Dates
1	Matter and Measurement (Matter & Method)	2	13	1,2,3	8/30, 9/1 ,9/3
	<i>Labor Day</i>				9/6 (M)
	(Measurement)	14	39	4,5	9/8, 9/10
2	Atoms, Molecules, and Ions – Nuclear Binding	40	79	6,7,8	9/13,9/15
3	Chemical Reactions and Stoichiometry	80	121	9,10	9/17, 9/20
	EXAM 1			11	Wednesday, Sept 22
4	Reactions in Aqueous Solutions	122	163	12,13,14	9,24, 9/27. 9/29, 10/1
5	Thermochemistry	164	211	15,16,17	10/4, 10/6, 10/8
	FALL BREAK				10/11(M)-10/12(T)
6	Electronic Structure of Atoms	212	255	18,19	10/13,10/15
7	Periodic Properties of Elements	256	297	20,21	10/18
	EXAM 2			22	Wednesday, Oct 20
8	Basis Concepts of Chemical Bonding	298	341	23,24,25, 26,27,28	10,22, 10/25,10/27, 10/29, 11/1,11/3,11/5
9	Molecular Bonding & Bonding Theory (VSEPR & Hybridization)	342	397	29,30,31, 32,33	11/8,11/10,11/12, 11/15,11/17, 11/19
	EXAM 3			34	Monday, Nov 22
	THANKSGIVING BREAK				11/24(W)-11/28
11	Gases and Properties	398	441	35,36,37,38	11/29, 12/1 ,12/3
	FINAL EXAM				Thursday, 12/16

?