

Teaching Team:

Professor: Dr. Polina Pine, PhD ppine@luc.edu

Class meetings and classrooms as on LOCUS: Tu,Thr 10:00am-11:15am (FH auditorium). Discussion-05 F 10:25-11:15am; Discussion 006 F 11:30am-12:20pm (Discussions are in FH007)

Prerequisite:

Essential: very strong knowledge of CHEM 222 or 224, very strong fundamentals of General Chemistry.

Office Hours:

Due to the shared office space that does not follow the CDC guidance all the Office Hours will be scheduled in alternative spaces; students must make an appointment through SAKAI only (the days/times will be announced during first week of class, the guidance for scheduling the appointment will be published on Sakai/Signup). Due to very limited shared office space students might not be accommodated if showed up in the office without special appointment through Sakai. Mondays 10:30-11:30 am in FH-129 after we transition back in person.

Course overview

Prerequisite: CHEM 221 or 223. This is the first part of a two-semester Biochemistry series that emphasizes important biochemical concepts on the structure and function of proteins, enzymes, carbohydrates, lipids, and cell membranes as well as on the bioenergetic and regulatory principles behind the central and carbohydrate pathways.

Outcome: Students will be able to demonstrate an understanding of structural-functional relationships in biological molecules and how carbohydrates are metabolized.

Topics discussed in classes include kinetics, mechanism of enzymatic reactions and the central metabolic pathways of carbohydrates. Students who successfully complete this course will be able to do the following, at an acceptable level (including but not limited to): Identify and describe biomolecules including carbohydrates, amino acids/proteins and lipids/lipid bilayers. Choose appropriate buffer system; calculate the ratios of weak acid to conjugate base; determine the pKa from the associated titration curve; Show the major form of an amino acid/polypeptide including the zwitterion, at different pH values; track the fate of an oxygen molecule from inhalation in the lungs, track the fate of a carbon dioxide molecule produced from the TCA cycle, identify the kinetics of an enzymatic process; identify the substrates, enzymes and products in both catabolic and anabolic metabolism; track the fate of pyruvate and acetyl-CoA through the TCA cycle; track the fate and path of high-energy electrons through the electron transport complexes/respiratory chain, in conjunction with the Chemiosmotic principle of proton translocation utilized in oxidative phosphorylation to synthesize ATP.

The link to the evaluation of the course will be sent to students at the end of the term. Please find 2-3 minutes to fill this online survey. Please remember that as the evaluation manual states: *“..As student raters, you should also know that the results of your ratings for this class will be included as part of the*

information used to make decisions about promotion/tenure/salary increases for this instructor. Fairness to both the individual and the institution require accurate and honest answers.”

Textbook and material:

All material including videos, tutorials, exam problems, etc. of this class is copyrighted and cannot be shared outside of this class.

The class material structure/videos/sessions will be the most critical source of information for this course:

1. **Required:** Windows or Mac computer
Required and approved OS: Any of the following: Windows: 10 (Includes x86 32 and 64bit processors and ARM 64bit processors using x86 emulation). Windows 10S is not a compatible operating system. Mac: macOS 10.12 to 10.15 and later. **Will not be** compatible: Chromebook, iPad, tablets, Android devices and any other devices. Note: **You must contact the IT if you have any software or hardware difficulty.**
2. **Required:** Webcam (external or built-in in the device), earphones, microphone (may **not** be used during classes unless is instructed otherwise).
3. **Required:** Scientific Calculator. NOT ALLOWED: calculators in a phone, tablet, computer, or in any other device.
4. **Required:** any scanning app (free good Apps: Built-in Notes App in iPhones, free apps: CamScanner, Genius Scanner etc.).
5. **Required format of all handwritten submissions is PDF! Other files/formats will not be accepted.**
6. **Required:** Stable internet
7. Smartphone or any mobile device with working camera (may **not** be used during classes unless is instructed otherwise).
8. **Required:** Sakai, Zoom and Panopto access associated with Loyola UVID (access given automatically if enrolled to a course). **It is student's responsibility to check all announcements on Sakai/email and follow them.**
9. **Required:** Access to printer. Some assignments may require submission of a handwritten portion on a special form. Students must print this form and follow the instructions sent through the announcement or given in the assignment. Submissions in any other format may not be accepted.
10. **Required:** WileyPlus account. The homework will be assigned on WileyPlus. The registration flyer with the access code will be posted under Resources on Sakai.
11. **Required Textbook:** Biochemistry: An Integrative Approach with expanded topics, 1st Edition, John Tansey
12. **Required** WileyPlus for the above text (see flyer on Sakai that will be published a few days before the semester starts)

Required (free of charge): <http://www.Gradescope.com> Certain assignments/assessments may utilize other internet or electronic platforms free of charge for students. Students must register using their LOCUS OFFICIAL NAME ONLY and LOYOLA EMAIL ONLY following the link above. Use Entry Code: GERPRN

Not all textbook sections will be fully covered or covered in the order the textbook dictates, so focus first on the material that is directly covered in a course structure, lecture, WileyPlus and assigned for homework. *See Tentative Lecture Schedule that will be posted on Sakai during the first week of classes. Students are expected to read related material from any textbook before and after each lecture.* The material covered in this class is mentioned in several textbooks. The additional reference texts are listed below. The recommended texts are given in the order of the priority.

Not required but recommended Reference textbooks:

- a) Dean R. Appling, Spencer J. Anthony-Cahill, Christopher K. Mathews, *Biochemistry: Concepts and Connections; Pearson (2nd or 1st edition)*
- b) *Biochemistry*, Campbell/ Farrell/ McDougal, 9th ed. (or earlier ed.), Brooks-Cole, Cengage Learning, 2018
- c) Pratt, Cornely, *Essential Biochemistry*, Wiley ISBN: 978-1-119-31933-7 (or any earlier edition)

Course Topics **Our actual pace and the topics may vary from the schedule:**

Please see Sakai and Panopto Modules' videos for the exact flow of the topics:

1. Chemical Foundations of Biochemistry
2. Amino Acids/Proteins
3. Protein Purification and Sequencing
4. Enzymes: kinetics of biochemical reactions
5. Enzymes: Allostericity, Additional regulation
6. Lipids: structure, properties, and function (including selected topics such as membranes, signaling)
7. Energy metabolism (Biochemical Thermodynamics)
8. Sugars: structures and functions
9. Glycolysis/ Gluconeogenesis (including regulation)
10. Pyruvate Dehydrogenase Complex (including regulation)
11. Citric Acid Cycle (including regulation)
12. Electron Transport Chain, Oxidative Phosphorylation
13. Shuttle Mechanisms and Anaplerotic Reactions
14. Lipid Metabolism (what time allows)
15. Nitrogen Metabolism (what time allows)
16. Glycogen metabolism and integration of metabolism

Example of reference chapters from an optional not required textbook the *Biochemistry*, Campbell/Farrell/McDougal, 9th ed: 2,3,4,5,6,7,8,15, 16,17,19,20,18,21,23, 24 (embedded in other chapters/topics).

Interaction with the professor and the classmates:

- Only positive, respectful behavior is tolerated in this class. Please see **Harassment (Bias)** section at the end of the document. If any not respectful behavior of any student towards other students or instructors is observed, it will be reported. Please keep all interaction respectful and professional.
- **Any specific questions regarding problem solving, lecture clarifications may not be answered over email. Please utilize peer forum and our office hours.**
- Students are expected to interact, ask each other, and answer questions in the Forum on Sakai. This activity is recorded, graded, and is included in the final grade (please see the Grading Scale for details).
- **To contact Dr. Pine during the semester by email put CHEM361-004 in the Subject field.** If email is sent without this specific subject, it may be sent to a SPAM folder and/or overlooked. If your email has not been answered over email over 48 hours during the business days or in class do the following:
 1. Check if you sent it with CHEM361-004 in the subject field (if not, please resend following the proper format).
 2. If the format is correct and it was not answered in Zoom, please resend it.
- **All emails will be answered within at least 48 hours window during business days. No email interaction aside the business hours. Emails are not answered during weekends, breaks, and holidays.**

Structure of the class:

- Masks are mandatory at all times. As a Departmental policy, even in the event the University relaxes its universal requirement for indoor mask-wearing since 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).
- Absolutely no eating or drinking in the classroom. If you need to eat or drink, please kindly step out of the classroom.
- Absolutely no to any type of electronic communication and using phones or/and smart watches, computers, tablets during the class time. If you have an emergency communication, please let Dr. Pine know right before the class starts.
- Using of tablets and computers will be allowed only for planned in class activities.
- Absolutely NO RECORDING on any device and any app. For example: you are not allowed to use recording functionality in Notability app.
- The course content is broken into modules by topics/chapters and into weeks by pace: Week 1 through Week 16.
- Homework will be in the form of WileyPlus every week and will be due every Friday 11:59pm, no penalty 48 hours COVID-19 extension may be given, there may be changes in the due dates the weeks of the exams (make sure to follow announcements in class). Additional low penalty flexibility is embedded in each homework please follow the policies on WileyPlus. Students must

start working on these assignments as soon as it is released to prevent missing the due dates. Email requesting additional extensions (for any reason) are not accommodated. It is students' responsibility to check on WileyPlus daily. Students must supplement this mandatory homework with the end of chapter problems (solution for these problems is given in the back of the textbook).

- Any additional material if assigned will be posted on Sakai. If posted on Sakai students must follow all the directions given in the handout.
- Discussion-meetings activities if collected will be collected during the scheduled Discussions ONLY without announcement in advance, through Gradescope only, in a group submission only, in the announced format only, without notifications. If collected will be graded as zero or one. These points will contribute to participation category of the total grade. If a student missed the Discussion/submission due to sickness, work, family reasons, or other catastrophic event **one** missed submission will be a drop (no late submissions are allowed).
- Office hours, sessions and meetings will follow the predefined schedule. For example, if the schedule indicates Module 2 the sessions will be focused to the material of this module and not previous or next module.
- Sakai Forum (Discussion) is designed to connect students together and accelerate peer-to-peer support.
- Students must collect questions related to the material and ask them during office hours, synchronous meetings only if time permits.
- Additional source for questions and answers is peer-to-peer Forum (Discussion) on Sakai, which is a part of your overall grade.
- The attendance is not taken for grade but remember, that main source of information in this class are lectures, discussions and assigned videos if any (if assigned). If you are experiencing any symptoms of any illness, please follow University and CDC guidance. If you miss a class for any reason, make sure to contact your classmates on Sakai/Forum to get an update.
- Please remember, we are all still in a Pandemic and mutual support and understanding (students-student, professor-students and last but not least student-professor) is a KEY to success in a class and life in general. Please be kind, understanding and supportive. I cannot obligate but I encourage everyone to share their lecture notes if a person who misses the class is asking for help.
- Use specific, separate notebook or notetaking app to keep track of the questions that rise.
- Make-up, early, late assignments are not available for this course. However, if ONE exam is missed due to a serious illness different grading scale may be implemented if a documented evidence is presented within one week of the missed exam. Other missed assignments will **not** give an opportunity for re-take or make up. **For success in this course, it is important to stay in a planned pace, review your notes, watch videos, read the textbook, work on homework problems if assigned and work on memorization every day.** DO NOT FALL BEHIND. There will be a big portion of memorization material in this course.
- Use Zoom-Pro link in Sakai sidebar or links provided to access Zoom meetings.

EXAMS:

- All Exams are IN PERSON IN CLASS exams (online exams are not given and not an option) closed book, closed notes, closed Internet, closed WileyPlus. Absolutely no help on the exams may be accepted or given. Absolutely no material may be used except for calculator, pencil, eraser. Students will be expected to follow the policies of Academic Integrity and will be required to sign Honor Pledge of academic honesty. If any violation or any unauthorized internet activity is detected it will be reported and automatic F-grade will be assigned for the class. See Academic Dishonesty Statement given below.
- Absolutely NO alternative times, days, formats, places of the exam for any reason. However, if a student misses one exam due to quarantine, COVID-19, illness, work shift, flat tire, mental health problem, unexpected catastrophic event, weather condition or any other unexpected or scheduled serious circumstances, this missed exam may be dropped and the weight of this exam will be transferred to the final exam (see grading section below).
- Students with the time extension (SAC students) may take their exam ONLY at the SAC center and ONLY during the time that overlaps with the time and the date of the scheduled exam in the following way: start your exam half an hour before the time of your CHEM361 lecture) during the scheduled day for the test).
- There are three 45-50 minutes-unit exams (this time includes the exam material distribution; all students will start the exam together) and one final exam.
- The exams are timed and proctored. Please prepare to take the exam ahead of time. You may not leave a room during the exam before finished. If you need to leave the room, you must submit the exam for the final grading.
- Please prepare and use during the Exams (calculator if allowed will be announced before the exam), your ID, pencils, and erasers. The format of each exam will be announced during the lecture before the exam in class in person meeting only. No personal email about the format of the exam may be answered, please address them during in person meetings and discuss them before the exam on Sakai/Forum.
- The Exams are scheduled on the following weeks (MAKE SURE TO ALLOCATE THIS TIME SLOTS FOR YOUR EXAM, OPTIONAL PERSONAL TIMES/DATES ARE NOT POSSIBLE):
 - I. Unit Exam 1 Th-February 10th (during the lecture time)
 - II. Unit Exam 2 Th- March 3^d (during the lecture time)
 - III. Unit Exam 3 Th-April 7th (during the lecture time)
 - IV. Final Exam -See official Loyola calendar: Tuesday May 3rd 1pm-3pm
<http://luc.edu/academics/schedules/index.shtml>
- **Students must read carefully (it is student's responsibility to read and know) all directions related to the exam procedure given in the Syllabus or sent before the exam. Not following the direction, not reading the directions, missing the direction will not be tolerated.**
- There are NO EXTRA ASSIGNMENTS NO MAKE-UP, NO EARLY OR LATE EXAMS OR QUIZZES. Under no circumstances may an exam/quiz/assignment be taken at a time and date other than that assigned.
- Issues with graded exams must be submitted within one calendar day of being returned, otherwise scores will be considered final.
- **All exams must be taken during the scheduled time only! And only in person or as the rest of the class is taking the exam. Final exam is MANDATORY.** The final exam must be

taken ONLY on the date scheduled or a grade of F will automatically result. Final exam is comprehensive cumulative and will integrate all the knowledge gain during the semester. The final details about the final exam will be given at the end of the semester.

- A link to the official Loyola calendar can be found here:

<http://luc.edu/academics/schedules/index.shtml>

It is student's responsibility to follow the announcements, and all policies or changes of the class

Instructor Privileges

Instructor reserves the right to make changes and adjustments to this syllabus as necessary, including, but not limited to the **grading policy and course schedule.**

Grading policy:

Under no circumstances may any exam be taken at a time or date or place other than that assigned. However, to encounter for needed quarantine, COVID-19 positive test or any unexpected illnesses an alternative grading scale called Option 2 will be used (please see details below)

The midterm and final letter grades will be given based on the points scored in the course only, please do not contact for personal or group extra-credit favors. Final grade will be determined using the table below. IMPORTANT: NO MAKE UP OR LATE EXAMS, NO MAKE UP OR LATE SUBMISSIONS of any type. However, to accommodate students' personal circumstances (COVID, quarantine, sickness, job schedules, family circumstances, unstable internet connection, technology issues, clinical shifts, catastrophic events, weather conditions etc.) one unit exam may be dropped, final exam MUST be taken in person (cannot be dropped). The optional grading scale may be implemented please see instructions below. If you miss one-unit exam for any reason above, please send Dr. Pine the documented evidence within 1 day before/after the scheduled exam, this exam cannot be taken in a different time or different day BUT this missed exam will be dropped, and Option 2 will be used to determine your grade. In addition, if one and only one WileyPlus assignments is not completed for one of the reasons above it may be dropped at the end of the semester.

Option 1		Option 2 (catastrophic life event) <i>Lower unit-exam score is a drop</i>	
WileyPlus	10%	WileyPlus	10%
Sakai Forum/ Other participation	10%	Sakai Forum/ Other participation	10%
Unit Exam 1	20%	Unit Exam best out of three	20%
Unit Exam 2	20%	Unit Exam second best out of three	20%
Unit Exam 3	20%	Final Exam	40%
Final Exam	20%	Total	100%
Total	100%		

Note: If a student follows ALL the due dates, policies, and directions of the class, took all the exams during the scheduled time, have never requested any special accommodation for any reason, actively participated in the Forum (Discussion) and class activities including Lectures and Discussion-meetings this student may be eligible for option 2 final grade calculation or whichever option grants better grade. Please note-students are not eligible for this option automatically, not eligible students will be notified at the end of the term.

Forum (Sakai Discussion) Grading:

Forum is graded weekly. There are two options only for Forum grading 0 and 1. A student is required to post at *least one time* a week in the forum, each post will grant 1 point per post (*posting more is encouraged but will not grant additional points*). Additional Forum activities if assigned will be announced through Sakai/Announcements or Sakai/Discussions and will grant additional participation points. At the end of the semester all these points are converted to the percentages and weighted into overall score. Please follow Forum etiquette policies on Sakai under Syllabus.

*Extra-credit Forum Participation: 10 most active Forum participants will be given 5% points added on top of the Forum/Participation percentage before weighting into the overall score of the class: Example: A student scored 97% on the Sakai Forum+ Other participation points. This student was one of the most active Forum participants (posting/answering). Sakai Forum + Other participation SCORE of this student will be 97%+5%=102% It will be incorporated in the final grade as 102*0.1+rest of the components.*

All graded assignments including the exams: Only mistakes such as tallying up points by the system are eligible for regrading, students' typos, overlooking the directions, not following the directions, and other mistakes and other circumstances are not eligible for any type of regrading. For this reason, please read carefully all the directions and ask the professor if anything remains unclear. **No personal, alternative, students proposed grading scales and requests or requests for partial credit or any type of extra credit may be accommodated.** Final letter grades are given based on the points earned by a student only. Grades may not be changed arbitrary.

Approximate grading scale (letter grade is related to percentage scored in the class):

A	A-	B+	B	B-	C+	C	C-	D+	D	F
100-95	94-90	89-85	84-80	79-75	74-70	69-65	64-60	59-55	54-50	less than 50

Students seeking Special Accommodations (SAC)

If you have any special needs, please send me an official letter from the Student Accessibility Center SAC in the first week of classes. The university provides services for students with disabilities. Any student who would like to use any of these university services should contact the Student Accessibility Center (SAC), Sullivan Center, (773) 508-3700, contact SAC@luc.edu. Further information is available at <http://www.luc.edu/sac/>.

Exams times for students with documented time extension (SAC):

All students with the documented time extension will start the exams 30 minutes before the scheduled time of the exam. Please follow details if sent in a general announcement before each exam. Students with the time extension (SAC students) may take their exam ONLY at the SAC center and ONLY during the time that overlaps with the time and date of the scheduled exam in the following way: start your exam half an hour before the time of your CHEM361 lecture) during the scheduled day for the test).

Please note that materials from this course (INCLUDING PROBLEM SETS, EXAM and DISCUSSION PROBLEMS/QUESTION) cannot be shared outside the course without the instructor's written permission. No photos/screen shots, video sharing of any part of the exam. All material in this class is copyrighted.

Recording of Zoom class meetings

In this class software may be used by an instructor to record live class discussions (students and other individuals are prohibited to record, take photos or screenshots). As a student in this class, your participation in live class discussions may 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.

Tutoring Center

The CTAE offers several different programs each semester, including class-specific tutor-led small groups, Academic Coaching groups dedicated to general academic support, and a Study Buddy Directory for students seeking out more independent collaboration with other students in the same class or subject area. For more information refer to http://www.luc.edu/tutoring/Small_Group_Info.shtml

Please note that all materials from this course are copy righted! No material including any exam problems/questions/solutions can be shared outside the course without the instructor's written permission.

Academic Integrity

Trust and integrity are important qualities in students. All submitted work must represent your own work and your own work only. Academic dishonesty of any kind, such as plagiarism and cheat sheets on exams, will not be tolerated. Any student caught cheating on an assignment in any way will receive a “zero” for that assignment and be reported to Chairperson of the Chemistry Department and the Dean School of Art and Science. For further information regarding the Academic Integrity policy and disciplinary procedures, refer to the Undergraduate Studies Catalog: http://www.luc.edu/academics/catalog/undergrad/reg_academicintegrity.shtml.

Academic Dishonesty includes such infractions as:

- **Obtaining a copy of tests or scoring devices**
- **Using another student's answers during an examination**
- **Providing another student questions or answers to or copies of examination questions**
- **Having another person impersonate the student to assist the student academically.**
- **Impersonating another student to assist the student academically.**
- **Representing as one's own work the product of someone else's creativity.**
- **Using, or having available for use, notes or other unpermitted materials during “closed book” examinations.**
- **Duplicating any portion of another student's homework, paper, project, laboratory report, take-home examination, electronic file, or application for submission as accepting a copy of tests or scoring devices**
- **Having someone other than the student prepares any portion of the student's homework, paper, project, laboratory report, take-home examination, electronic file, or application, other than for a teacher-approved collaborative effort.**
- **Permitting another student to copy any portion of another student's homework, paper, project, laboratory report, take-home examination, electronic file, or application other than for a teacher-approved collaborative effort.**
- **Using any portion of copyrighted or published material, including but not limited to electronic or print media, without crediting the source.**
- **Any other action intended to obtain credit for work that is not one's own.**

Harassment (Bias Reporting)

It is unacceptable and a violation of university policy to harass, discriminate against or abuse any person because of his or her race, color, national origin, gender, sexual orientation, disability, religion, age or any other characteristic protected by applicable law. Such behavior threatens to destroy the environment of tolerance and mutual respect that must prevail for this university to fulfill its educational and health

care mission. For this reason, every incident of harassment, discrimination or abuse undermines the aspirations and attacks the ideals of our community. The university qualifies these incidents as incidents of bias. To uphold our mission of being Chicago's Jesuit Catholic University-- a diverse community seeking God in all things and working to expand knowledge in the service of humanity through learning, justice and faith, any incident(s) of bias must be reported and appropriately addressed. Therefore, the Bias Response (BR) Team was created to assist members of the Loyola University Chicago community in bringing incidents of bias to the attention of the university. If you believe you are subject to such bias, you should notify the Bias Response Team at this link: <http://webapps.luc.edu/biasreporting>

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.

Loyola University Absence Policy for Students in Co-Curricular Activities:

Students missing classes while representing Loyola University Chicago in an official capacity (e.g. intercollegiate athletics, debate team, model government organization) 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 make up examination at another time that fits the class schedule and requirements (<https://www.luc.edu/athletheadvising/attendance.shtml>)

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.

Online COVID-19 Class Policies Statement:

Due to uncertain times we all found ourselves the policies of this class were modified to consider possible obstacles and include all possible flexibility with the due dates and exam formats. In addition, to minimize the uncomfortable online environment for some students, this class was designed to consider possible technology and personal difficulties. All these modifications are expressed in this document. All these modifications are expressed in this document and the Class Schedule on Sakai.

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.

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/>)

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.

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/athletheadvising/attendance.shtml>)

Spring 2022 Masking Requirements

It is Departmental policy that, even in the event the University relaxes its universal requirement for indoor mask-wearing during the Spring 2022 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).

Health, Safety, and Well-Being On-Campus

Please be familiar with and adhere to all policies and protocols posted on the *Campus Info & Resources* site:

<https://www.luc.edu/healthsafetyandwellbeing/campusinforesources/>