

**Instructor: Dr. Polina Pine, PhD** [ppine@luc.edu](mailto:ppine@luc.edu)

**Class meetings (see LOCUS):** 1:30-2:20 pm MWF-lectures; 10:50-11:40am F-Discussion 002; 12:10-1:00pm F- Discussion 003

**Office Hours:** Due to the shared office space all Office Hours will be scheduled in alternative spaces, students must make an appointment through SAKAI only (Sign-up): M 10:30am (FH-129,); F-11:40am-12:00pm (FH105) by appointment on Sakai (subject to changes)

**Prerequisite:**

Essential: very strong knowledge of CHEM 221 or 223 and CHEM 222 or 224, and very strong fundamentals of General Chemistry.

**Course overview**

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.

**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 (will not be compatible: Chromebook, iPad, any other devices)

2. **Required:** Webcam (external or built-in in the device), earphones, microphone.
3. **Required:** any scanning app (free good Apps: Built-in Notes App in iPhones, free apps: CamScanner, Genius Scanner etc.)
4. **Required format of all handwritten submissions is PDF! Other files/formats will not be accepted.**
5. **Required:** Stable internet
6. Smartphone or any mobile device with working camera (please let Dr. Pine know during the first week of classes if this is an obstacle).
7. **Required:** Reduced noise environment or room. For the exams/quizzes student required to arrange him/her/them-self a room in which they are not interrupted and no other people, but a student are present.
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:** WileyPlus account for homework assignments. The homework will be assigned on WileyPlus. The registration flyer with the access code will be posted under Resources on Sakai.
10. **Textbook:** Berg, Tymoczko, Gatto and Stryer, Biochemistry, 9th Ed.(please contact the bookstore if you wish to purchase this option).
11. **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:N844YK**

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) Biochemistry: An Integrative Approach with expanded topics, 1st Edition, John Tansey (comes for free with purchase WileyPlus homework platform)
- b) Dean R. Appling, Spencer J. Anthony-Cahill, Christopher K. Mathews, *Biochemistry: Concepts and Connections; Pearson (2<sup>nd</sup> or 1<sup>st</sup> edition)*
- c) Biochemistry, Campbell/ Farrell/ McDougal, 9th ed. (or earlier ed.), Brooks-Cole, Cengage Learning, 2018
- d) 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 follow the Live Class Lectures 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. Channels and Pumps
14. Signal Transduction
15. Selected topics from Nucleotides
16. Selected topics from recombinant technologies (genomics).
17. Introduction to Bioinformatics

See the assigned reading on WileyPlus. Chapters from the textbook **Berg, Tymoczko, Gatto and Stryer: 1-18**

#### **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.
- 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).
- Main interaction in this class is in person interaction during the Lectures, Discussions, Office Hours and Sakai Forum. Most of the time I will be teaching you or other classes and will be away from my virtual desk, for this reason emails are NOT preferred and not the main source of interaction. Make sure to ask your questions or bring your concerns before, after or during in person meetings. If you still prefer to contact using email, please follow next two bullet points:
- To contact Dr. Pine during the fall semester starting August 30<sup>th</sup> by email put **CHEM370** 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 during the business days over 48 hours or during in person meeting session, do the following:
  1. Check if you sent it with CHEM370 in the subject field (if not, please resend following the proper format).
  2. If the format is correct and it was not answered during the in-person meeting or office hours, please resend it.

- I will be happy to answer any questions or emails during official business hours.
- All emails will be answered within minimum 48 hours window during business days. **No email interaction aside the business hours. Emails are not answered during weekends and holidays.**

### Structure of the class:

- Masks covering nose and mouth are mandatory at all times. 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).
- 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. It is students' responsibility to check on WileyPlus daily. Students must start working on these assignments as soon as it is released to prevent missing the due dates. 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/announcement.
- The mode of the class is mixed flipped: In person meetings may be supplemented with the prerecorded lectures posted on Panopto, sometimes students will be assigned to watch videos before coming to class. This will be announced in class or through Sakai.
- No specific problem-solving questions will be answered via email. All such questions should be asked during Office hours (or Discussions if time allows).
- Students must collect questions related to the material and ask them during the office hours, discussions (if time allows).
- Additional source for questions and answers is peer-to-peer Forum 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 and assigned videos if any (if assigned). If you are experiencing any symptoms of any illness please do not come to class. If you miss a class for any reason, make sure to contact

your classmates on Sakai/Forum to get an update. If you need to quarantine let Dr. Pine know by email immediately, please do not come to class.

- 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 COVID-19 or 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.

#### EXAMS:

- All Exams are IN PERSON IN CLASS exams 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 COVID-19, or other illness, work shift, flat tire, mental health problem 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 CHEM370 lecture) during the scheduled day for the test).
- There are three 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 W-September 22<sup>nd</sup> (during the lecture time)
- II. Unit Exam 2 W- October 20<sup>th</sup> (during the lecture time)
- III. Unit Exam 3 W-November 17<sup>th</sup> (during the lecture time)
- IV. Final Exam -Friday December 17<sup>th</sup> 9:00-11:00 am

official Loyola calendar <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. 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 and date other than that assigned.**

However, to encounter for unexpected illnesses the alternative grading scale will be used (please see details below)

The midterm and the final letter grades will be given based on the points scored in the course only, please do not contact for personal 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. No early or late exams, no make-ups. However, to accommodate *students' personal circumstances (COVID or other sickness, quarantine, job schedules, family circumstances, unstable internet connection, technology issues, clinical shifts, etc.) one and ONLY one unit exam may be dropped, final exam MUST be taken (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. **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.**

Option 1		Option 2 (catastrophic life event) <i>Lower unit-exam score is a drop</i>	
WileyPlus Homework	10%	WileyPlus Homework	10%
Project	10%	Project	10%
Forum/Participation	5%	Forum/Participation	5%
Unit Exam 1	15%	Unit Exam	15%
Unit Exam 2	15%	Unit Exam	15%
Unit Exam 3	15%	Final Exam	45%
Final Exam	30%	Total	100%
Total	100%		

### Forum Grading:

Forum is graded weekly. There are two options only for Forum grading 0 and 1. A student is required to post at least two times a week in the forum, each post will grant 1 point per post (maximum 2 points per week, posting more than 2 times is encouraged but will not grant additional points). Additional Forum activities if assigned will be announced through Sakai/Announcements or Sakai/Forum 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 using table above. Please follow Forum etiquette policies on Sakai under Syllabus.

*Extra-credit Forum Participation: 5 most active Forum participants will be given 10% 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%+10%=107% It will be incorporated in the final grade as  $107*0.5$ +rest of the components.*

### Project:

Projects will include students' presentations on preselected topics (more details will be posted on Sakai and given in class) and one Forum post per presentation (presenting students will need to post two posts per their presentation). These Project Forum postings will be a part of the Project component of the grade and will NOT be a part of Forum/Participation component. All points/scores will be converted to percentages for final grade calculation.

All graded assignments including the exams: Student's 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 carefully read all the directions and ask the professor if anything remains unclear. No requests for partial credit, alternative grading scales or any type of extra credit may be accommodated.

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

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



**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](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.**



**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 (as reminded by the CAS Dean's Office memo, August, 2021). All material in this class is copyrighted.**

### **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. Further information is available at <http://www.luc.edu/sac/>.

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 CHEM370 lecture) during the scheduled day for the test).

### **Recording of Zoom class meetings**

In this class software may 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.

### **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](http://www.luc.edu/tutoring/Small_Group_Info.shtml)

### **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. 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.

### **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/athleteadvising/attendance.shtml>)

### **Fall 2021 Masking Requirements**

It is Departmental policy that, 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).