

**Instructor**

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**Teaching Assistant**

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**Learning Assistants**

Mitch Marciniak  
Reagan McGinley  
Amira Richardson  
Brian Seol

**Lectures**

Tuesday and Thursday, Periods 7–8 (1:55 pm – 3:50 pm)  
In-person Classroom: FLI 50  
Zoom Classroom (Meeting ID: 976 1893 5898; Passcode: 11289)  
<https://ufl.zoom.us/j/97618935898?pwd=OVNnNDJpczRITzdCenhCeVY1N1pYUT09>

**Office hours**

Instructor office hours will be offered HyFlex in CCB 302G or via Zoom. Only two (2) **masked** students per in-person office hours will be permitted. Additional students will need to join via Zoom. All assistant office hours will be conducted exclusively online via Zoom. See below for schedule and Zoom IDs:

Monday:	9:00 am – 10:00 am, Jeff (996 2365 4576) 2:00 pm – 3:00 pm, Mitch (TBD)
Tuesday:	11:00 am – 12:00 pm, Reagan (822 144 0690; passcode 090397)
Wednesday:	9:00 am – 10:00 am, Jeff (996 2365 4576) 3:00 pm – 4:00 pm, Richard (801 217 9004; passcode 705602) 5:00 pm – 6:00 pm, Amira (352 246 2436)
Thursday:	10:00 am – 11:00 am, Brian (571 194 1399)

**Course Objectives**

This class covers all of the material commonly found in undergraduate biochemistry courses, with a special emphasis on using concepts from organic and physical chemistry to help students better understand biological chemistry. Topics will include amino acids and proteins, enzyme structure, mechanism, and kinetics, primary metabolism, nucleic acid structure, and metabolism.

**Recommended Texts**

*Lehninger Principles of Biochemistry*  
*Garrett & Grisham Biochemistry*

Additional materials will be made available on the course e-Learning site (<http://elearning.ufl.edu>).

## Prerequisites

CHM 3217 or CHM2211 or permission of the instructor.

## Class Meetings

Class meets Tuesday and Thursday 1:55 pm – 3:50 pm in Flint 50. Attendance and participation are required. The course will utilize HyFlex technology and will also be available synchronously online via Zoom to provide a safe environment and allow for student attendance and participation when they are unable to attend class in person (e.g., illness, COVID exposure and/or quarantine, personal preference). Students can fully participate online and are capable of earning full participation points if attending online. If the professor or any member of his family is quarantined due to COVID illness or exposure, the course may be temporarily taught synchronously online via Zoom. If this happens, you will be notified.

Excused absences are consistent with [university policies](#) in the undergraduate catalog and require appropriate documentation.

Each class will consist of a combination of lecture, small group discussions in breakout sessions, and main group discussions. Your breakout group will include the same 4–5 students every day and course assistants and instructors will be available to encourage discussion and assist you in active learning. The goal of these breakout sessions is for students to work through applying your newly acquired knowledge to develop a deep understanding of essential concepts in biochemistry.

In order to enable group discussions while some students are online, you will likely need a Zoom-enabled device and headset with speaker/microphone to participate in the classroom during breakout sessions. If you will be attending in-person, be prepared each class period with your appropriate electronics to participate with students/assistants online.

A tentative course schedule is available at the course e-Learning site.

## Grading

The final course grade will be based upon post/pre-lecture assignments, participation during class, and four exams. All assignments should be uploaded to Canvas as PDFs. If using paper & pen, you are required to SCAN your documents and upload a single PDF. Photos will not be graded and given a grade of 0. If your handwriting is poor, you will be asked to type up written assignments. Failure to do so may result in a grade of 0 if your handwriting cannot be read. Blank or corrupt submissions will result in a grade of 0.

**Post/pre-lecture assignments (PLAs)** will be available on Canvas one week before they are due and will consist of 2–10 questions related to the prior lecture and/or the reading assignment for that day's lecture. Prior to completing the assignment, you should review your lecture notes from the previous lecture and read/watch the recommended text/videos to get an introduction to the next day's topic. Problems will be due 5 minutes prior to the start of lecture at 1:50 pm on Tuesdays and Thursdays. PLAs will be graded on **completeness** of all questions and **correctness of one** randomly selected question.

Students will have **participation roles in the breakout sessions** that will help to foster a team dynamic. Roles will rotate throughout the course of the semester. Your participation in the group as a whole and performance in your group role will be evaluated by the instructor, assistants, and your group mates to determine your participation score. Participation in the main group (including asking/answering questions and presenting group discussions) will also contribute to your overall participation score.



was posted to Canvas to request a regrade. Regrades will include a rescore of the entire assignment and may result in a lower score. To request a regrade you should post a comment on the assignment in Canvas including the question that was graded incorrectly and why you think your answer is correct.

## **Student Responsibilities**

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor, assistants, and to fellow students. Opinions, questions, and answers given by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

In response to the current COVID situation, the following policies are encouraged to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- It is expected that all students wear approved face coverings at all times during class and within buildings. Regardless of vaccination status, mask usage is a responsible and vital way of preventing transmission of COVID. Faculty may also ask for mask usage in their offices during office hours or one-on-one meetings (with a provision for remote office hours or meetings as an alternative).
- Keep eating and drinking to a minimum.
- If you have not been vaccinated, please consider starting the process immediately. You can schedule a vaccination appointment at ONE.UF. Please keep in mind that being vaccinated for COVID-19 is the best way to protect yourself and others from the potentially life-threatening effects of the virus. Your action in this regard may help ensure the health and safety of yourself, your fellow students, and the faculty and staff with whom you interact (and their families).
- If you are experiencing COVID symptoms, STAY HOME! Please do not come to an in-person class, follow these guidelines, and use the UF Health Screen, Test, & Protect (or through ONE.UF) system to determine whether you are approved to attend class in person. You won't miss anything by joining virtually and your classmates, assistants, and instructor will thank you for helping to keep them and their families safe.

## **Zoom Etiquette**

A few expectations in regard to Zoom etiquette and to facilitate efficient communication during class:

- Keep yourself muted at all times, unless speaking.
- Avoid the use of other distracting media during class.
- To add a profile picture, go to: [ufl.zoom.us/profile](https://ufl.zoom.us/profile)
- To ask a question in Zoom: click on the "Chat" button on the bottom of the screen and a chat window will appear.
- To raise your hand in Zoom: Click on the "Participants" button on the bottom of the screen and an window will appear. On the lower right of the window, there is also an option to raise your hand.
- Class sessions will not be recorded and comments in the "chat" feature will not be recorded or shared. Unauthorized recording and unauthorized sharing of class sessions is prohibited.

## **Study Methods**

Students should be keeping up with suggested readings/videos for each day of class. Typical study time to be successful in a course is ~2–3 hours outside of the classroom per hour in the classroom, although some students may require more while others require less. This class meets 4 hours per week, so you should be able to dedicate ~10 hours per week outside of class meetings to this course.

To keep you on track and engaged in the material, I have designed primer questions for each lecture, as well as review questions from the previous lecture material. After reviewing lecture notes and doing the pre-class reading/videos, pre-lecture assignments should take about 1 hour. If you are spending considerably more time on PLAs you need to **evaluate your study habits** to be more effective. Try taking notes during your pre-class reading/videos and make sure that you are seeing the big picture and not getting bogged down in the details. You can make bullet points of the key concepts and check that you are on the right track using the PLAs as a guide. Notes should not be copied directly from the text or video, but should be re-stated in your own words, and again, condensed to only include key concepts.

There is no required textbook, but I would recommend finding ANY college biochemistry textbook as those will have additional conceptual questions at the end of each chapter. PLAs and breakout session assignments will be the only practice problems that I will assign. Exams will be open response questions that are similar in scope to breakout session assignments and the review questions in the PLAs.

Each breakout session group has their own Canvas page, where your session recorder can upload the session's video. You can also use the group page to post announcements or engage in discussions with just your group members. The main Canvas page discussion board will also be utilized for discussions with the entire class.

### **Privacy Statement**

Our class sessions will be audiovisually recorded for the use of the instructor and for students in the class to refer back to. Students who participate with their camera and microphone engaged, or utilize a profile image, are agreeing to have their video, audio, and/or image recorded. If you are unwilling to consent to the recording of any of these, be sure to keep your camera off and do not use a profile image, and solely use the chat function. The chat will not be recorded or shared. Recording will not normally be made during breakout sessions.

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor (or any students/assistants on the recording) is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third-party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

### **Academic Honesty**

UF students are bound by The Honor Pledge, which states: “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.” On all work submitted for credit by students at UF, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The [Conduct Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions.

### **Course Evaluation**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is [available](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or [here](#). Summaries of course evaluation results are available [here](#).

### **Diversity and Inclusion**

We believe in equality for all and we welcome all ethnicities, races, genders, sexual orientations, cultures, faiths, ages, disabilities, and identities with respect. Each student is unique and brings their individual perspectives to our classroom and program. We are committed to maintaining an inclusive environment where each student is welcomed, respected, and supported during their educational and scientific journey.

### **Students with Disabilities**

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester (i.e., the first week).

### **Health and Wellness**

Your well-being is important to the University of Florida. The *U Matter, We Care* initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or someone you know is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the *U Matter, We Care* Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352.392.1575. The *U Matter, We Care* Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.