
Professor	Jeffrey D. Rudolf Office: 302G Chemistry/Chemical Biology Building (CCB) Phone: 352.294.7221 E-mail: jrudolf@chem.ufl.edu									
Lectures	Tuesday and Thursday, Periods 2–3 (8:30 am – 10:25 am) Zoom Classroom (Meeting ID: 973 8847 0483; Passcode: 5305) https://ufl.zoom.us/j/97388470483?pwd=RW9ZU3pUVXh0eXU2UUo4SHI4cnRJdz09									
Office hours	Office hours will be conducted exclusively online via Canvas/email correspondence or individually scheduled Zoom appointments. I will respond within 24 hours (and usually sooner) of any email request.									
Course Objectives	This class aims to review fundamentals from general, organic, and physical chemistry that form the framework for understanding biochemical systems, introduce the students to concepts, tools, and techniques commonly found in chemical biology, and advance the students' abilities to comprehend and apply these concepts through primary chemical biology literature. Topics will include the chemistry, structures, functions, interactions, and techniques associated with DNA, RNA, proteins, glycans, polyketides, and terpenes. Students will also learn to analyze and interpret key concepts from primary literature and gain experience in oral and written scientific communication.									
Optional Textbooks	<i>Introduction to Bioorganic Chemistry and Chemical Biology</i> , Van Vranken, D. and Weiss, G. <i>Lehninger Principles of Biochemistry</i> , Sixth or Seventh Edition, Nelson, D. L. and Cox, M. M. Additional materials will be made available on the course e-Learning site (http://elearning.ufl.edu).									
Class Schedule	A tentative course schedule is available at the course e-Learning site.									
Grading	Letter grades will be curved with approximate grade ranges (subject to change): <table><tr><td>A = >85</td><td>B+ = >75</td><td>C+ = >60</td></tr><tr><td>A- = >80</td><td>B = >70</td><td>C = >55</td></tr><tr><td></td><td>B- = >65</td><td>C- = >50</td></tr></table> There are 3 graded assignments for this course: 3 Exams = 25% each totaling 75% Literature and Presentation = various assignments totaling 20% Participation = 5%	A = >85	B+ = >75	C+ = >60	A- = >80	B = >70	C = >55		B- = >65	C- = >50
A = >85	B+ = >75	C+ = >60								
A- = >80	B = >70	C = >55								
	B- = >65	C- = >50								

Assignments

Exams: There will be 3 in-class exams (100 points each). The three exams are scheduled for **Feb. 9, Mar. 9, and Apr. 6**. Concepts covered on all exams will be cumulative, although they will emphasize the material presented after the previous exam. After each exam, grade distributions will be posted so that you will have a feel for your performance relative to others in the class as the semester progresses.

Literature and Presentation: This component of the course is a multi-part assignment ending with an in-class presentation. The four assignments and presentation will be individually graded and combined to form your overall grade for this assignment. See the course schedule or course e-Learning site for assignment due dates. Student presentations will be scheduled during the final few class periods.

<u>Assignment</u>	<u>Points/Total % of Grade</u>
Pick a topic and paper	0/0%
Annotation list of jargon/abbreviations	10/2.5%
Describe main text figures	10/2.5%
Find and summarize 2 directly related papers	10/2.5%
Cover letter	10/2.5%
<u>Presentation</u>	<u>40/10%</u>

Details regarding each assignment can be found on the course e-Learning site.

Late submission of assignments will result in the deduction of points. The respective grade will be reduced by 30% if submitted late and within 24 hours of the deadline. Each subsequent day late will result in an additional 10% deduction. The instructor may waive the late penalty to a student who presents legitimate circumstances. There is no excuse for failing to communicate prior to the deadline.

Participation: Participation will be graded throughout the semester (20 points total). Your participation grade will be assessed based on your attentiveness during lectures and student presentations, and involvement during in-class polling, question sessions, and group discussions.

Practice problems: I will recommend practice problems from both Van Vranken/Weiss and Lehninger textbooks and previous course materials. These will not be collected or graded. They are provided to facilitate thinking about the concepts discussed in class and give examples of types of exam questions.

Class Attendance

100% attendance is expected but not graded; however, participation is graded. Any assigned readings serve as a starting point and the classroom lectures will explain and expand upon this material. Excused absences are consistent with university policies in the undergraduate

catalog and require appropriate documentation (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>).

Make-Up Work

Make-up exams or presentations will only be allowed under extremely rare circumstances. All make-up work will need to be planned far in advance.

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 at <http://gatorevals.aa.ufl.edu/students/>. 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 via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>. One anonymous informal mid-semester evaluation will give me an opportunity to improve during the semester and you a chance to benefit from your own evaluations.

Class Demeanor

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor 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.

Zoom Demeanor

The participation portion of your grade for this class will be calculated on the basis of your attendance and your participation in class activities. Since the pedagogical approach of this course depends heavily on student engagement and interaction, you are required, at a minimum, to participate in class activities through the audio function of Zoom. Your video presence is invited as well to enhance instructor–student and student–student engagement.

Avoid the use of other distracting media during class and mute yourself if there is background noise that will be distracting to your fellow students. 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.

COVID Policy

Although this course is online, it does include in-person exams. For in-person exams and in response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-person interactions:

- You are required to wear approved face coverings at all times during exams and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.

- This course has been assigned a physical classroom with enough capacity to maintain physical distancing (6 feet between individuals) requirements during exams. Please utilize designated seats and maintain appropriate spacing between students.

- Follow your instructor’s guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.

- If you are experiencing COVID-19 symptoms, please use the UF Health screening system and follow the instructions on whether you are able to attend class. See UF Health guidance on what to do if you have been exposed to or are experiencing COVID-19 symptoms.

Academic Honesty

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 the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

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.

Additional Information

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 a friend is in distress, please contact 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.