

Chemistry 2331H Honors Elementary Organic Chemistry 1

M W F: 9:05 – 9:55

331 Smith Hall

Fall Semester, 2022

Course Synopsis: We will be covering chapters 1-13 in the Wade book listed below. While this course will be presented in person, I will make an effort to record the lectures and post them online. Assessment will be performed via 4 one-hour exams plus a final exam supplemented with weekly problem sets and in-class canvas questions. In class, I expect everyone to behave in a respectful manner. All students are welcome in this class; all races, religions, genders, sexual orientations, ages, and backgrounds. Everyone has something to contribute and everyone – including me – has something to learn. Organic chemistry is the class that inspired me to become a professional scientist and I am interested in sharing my interest and excitement of this subject with you.

Key Information

Instructor: Professor Mark Distefano, 668C Kolthoff, 624-0544, diste001@umn.edu

Office Hours: Monday, 10:00 AM - 11:00 AM; Tuesday, 1:00 - 2:00 PM; Wednesday, 10:00 AM - 11:00 AM; and by appointment. Additional office hours will be scheduled prior to exams. Review sessions will be scheduled the afternoon before each exam.

Teaching Assistants: General Organic Chemistry Teaching Assistants will be available. More information about that will be provided when the semester starts.

University Honors Tutors: This course has undergraduate peer tutors. More information will be provided.

Required Texts: Wade, Organic Chemistry, Ninth Edition, Pearson; Study Guide to book; A copy of the book and the solution manual will be on reserve at Walter Library in the event that you need a copy for a short time. By enrolling in this course, you are automatically enrolled in (and charged for) the open access (on-line) version of the book. If you prefer to use a hard copy, you can un-enroll within the first week of classes and get one from the book store.

Recommended Items: A molecular model set.

Mode of Instruction: In Person

Grading

Hour Exams: 4 x 200 point exams

Homework: 10 x 10 point assignments

In-Class Questions: 50 points (80% participation required for 100% credit)

Final Exam: 350 points

Total: 1300 points

Grading Scale: The A/B border is 88% of total points. The B/C border is 75%. The C/D border is 50%. The borders for +/- grades will be determined at the time grades are assigned (end of semester).

Hour Exams: Four 50 minute exams will be given. These exams will be given on the Fridays noted below.

Scheduled Exam Dates

EXAM 1, Friday, September 30 (Week 4)

EXAM 2, Friday, October 21 (Week 7)

EXAM 3, Friday, November 11 (Week 10)

EXAM 4, Friday, December 9 (Week 14)

Final Exam: The final exam will be held on Monday, December 19, 10:30 AM – 12:30 PM. Since I originally indicated that the final would be on Friday, December 16, 8:00 – 10:00 AM, I will allow you to take the Final at that time provided that you request this in writing via email before the last day of class (request by the end of the day on Dec 13.)

Policy on Exams: We will be using a program called Gradescope to administer and grade exams. Details for how this will be done will be distributed before the exams. As a rule, no make-up exams will be given. If you know in advance that you will not be able to take the exam on the assigned day, please contact me as soon as possible. In the case of short term emergencies (such as illness), you must notify me before the exam to be considered for a change in the grading scheme. No early final exams will be given.

Regrading: If you have a complaint about the grading of your exam, you can do this via Gradescope. You must turn in the request for regrade on or before the day of the next exam. For the last hour exam, it must be turned in on or before the day of the final. When an exam is submitted for regrading, the entire exam will be regraded.

Homework Assignments: There will be 12 or 13 online assignments due on most Mondays over the course of the semester. Each assignment will be worth 10 points and will contain approximately 5-10 problems depending on difficulty. These assignments will be due on the due date at 11:59 PM (CST) and will need to be uploaded at the course website. To complete the assignment, upload your homework as a pdf file. Homework will be graded Full Credit/Half Credit/No Credit. Do all the assigned problems and you will receive full credit. You only need to complete 10 out of the total 12 or 13 assignments to receive full credit.

Lecture Quizzes: I like to have short quizzes in class to evaluate whether students are understanding various topics. A link to the quiz will open up 30 min before class. You can take it before class starts. The quizzes must be completed by the end of the day (11:59 PM CDT) for each lecture.

Other Course Information

Web Sites and Exam Files:

We will be using Canvas as the official web site for this class. It will contain useful information about the course and copies of the exam keys.

Canvas can be accessed by going to: www.myu.umn.edu (or through the "myU" portal on OneStop).

Many of my old exams will be posted on that site along with various useful links. The deadlines for assignments will all be posted on Canvas.

Emails to the Professor: When you email me, please write 2331HF22 in the subject line. Otherwise, I may not see your email. In cases of emergencies or special situations it is important that you notify me via email. Due to the number of students in this course, I cannot answer email questions such as "how do you solve problem 5". However, if I receive a number of questions about a specific problem, I will answer that question in class. A large amount of material is posted on the course site noted above. If you email me questions (when is the exam?) whose answers are already posted on the web site, 10 points will be deducted from your grade.

My Expectations for Students

1. Come to class
2. Do the assigned problems
3. Work the exams from the previous year

How To Do Well In This Class

1. Come to class. Organic chemistry is a fast paced class. To do well in this class, you must keep up. Lectures will cover material in the book as well as other things that are not.
2. Participate in class. Come to class thinking. Try to follow what is being said in lecture. Don't just copy it down in your notes.
3. Work Problems ! As soon as you can, start working problems. You cannot learn organic chemistry by reading or listening to lecture. To apply the concepts you are learning, you must work problems. When you work the problems, you may get stuck and have to look back at the book or solutions manual to solve it. This is OK, **BUT**, you need to try the same problem at a later date without resorting to this crutch. This is the most frequent mistake that students make. Remember, you will not have the book on the exam. Use the book, but try to solve problems under "Exam" conditions (no book, limited time). If you are honest with yourself, this type of self testing will be a good indicator of how well you know the material and are going to perform on the real test. Another hint: don't look at a problem and do it in you head. Remember, Exams test what is written on the paper, not what is in your head. If you practice writing organic structures ahead of time, you will be faster at it. This means you will have more time to think on Exams. You will also make fewer careless mistakes.

Finally: Remember, contrary to what many people think, science is not a vast array of trivial facts. It is a set of a few concepts that can be used to predict a wide variety of things. In this class, you will learn and apply such concepts. This is what makes organic chemistry so interesting.

GENERAL UNIVERSITY POLICIES

Course Modality

This course is scheduled as an in-person course. I intend to hold all class sessions in-person except if situational factors arise, such as personal illness of the instructor, when the class may be held synchronously via Zoom or recorded for later viewing. I will be traveling to scientific conferences on a few occasions so I will not be available in person. I will alert you in advance when the dates of those are.

I will make an effort to record all lectures for viewing on line and will make those recordings available typically the day of the lecture or the next day.

All Exams will be in person on the dates noted in the syllabus. No online exams will be given. If you miss an exam due to illness, I will use the average of your other exams as a substitute for the missed exam. If you know you will miss an exam in advance, let me know so I can see if there is some way to accomodate you.

COVID-related issues

You should stay at home if you experience any signs of illness or have a positive [COVID-19 test](#) result. If this occurs, please consult with your healthcare provider about an appropriate course of action. I will follow these same protocols and will let you know if the delivery of this course has to be temporarily changed as the result of my own circumstances. Absences related to illness, including COVID-19 symptoms, for yourself or your dependents, are [legitimate "excused" absences](#)

Vaccines: COVID-19 Vaccinations (or approved exemptions) are [required for all students and employees](#). Learn about vaccine and booster appointments on campus by visiting the FAQ on [Get the Vax](#) page.

Face coverings: Up-to-date policy information is available on the [Safe Campus](#) page. The University expects all community members to respect those who choose to wear a mask, as well as those who choose not to wear one.

I don't intend to wear a mask in class myself because it is easier for me teach without one but I fully support your individual choices around masking. However, if the situation worsens during the semester, I may switch to wearing one.

Indoor masking continues to be an important tool in high-risk situations. High-quality masks (N-95 or certified KN-95) will be available to students Fall 2022. Check the [Safe Campus](#) website for information on the location(s) for each campus.

Testing: Information on *When, Where, and What if* for testing is available on [MTest](#) webpage.

The above policies and guidelines are subject to change. The University regularly updates [pandemic guidelines](#) in response to guidance from health professionals and in relation to the prevalence of the virus and its variants in our community.

Student Conduct Code

The University seeks an environment that promotes academic achievement and integrity, that is protective of free inquiry, and that serves the educational mission of the University. Similarly, the University seeks a community that is free from violence, threats, and intimidation; that is respectful of the rights, opportunities, and welfare of students, faculty, staff, and guests of the University; and that does not threaten the physical or mental health or safety of members of the University community. As a student at the University you are expected to adhere to Board of Regents Policy: *Student Conduct Code*. To review the Student Conduct Code, please see: https://regents.umn.edu/sites/regents.umn.edu/files/2019-09/policy_student_conduct_code.pdf

Note that the conduct code specifically addresses disruptive classroom conduct, which means "engaging in behavior that substantially or repeatedly interrupts either the instructor's ability to teach and/or a student's ability to learn." The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities.

Use of Personal Electronic Devices in the Classroom

Using personal electronic devices in the classroom setting can hinder instruction and learning, not only for the student using the device but also for other students in the class. To this end, the University establishes the right of each instructor to determine if and how personal electronic devices are allowed to be used in the classroom. For complete information, please reference: <https://policy.umn.edu/education/studentresp>

Appropriate Student Use of Class Notes and Course Materials

Taking notes is a means of recording information but more importantly of personally absorbing and integrating the educational experience. However, broadly disseminating class notes beyond the classroom community or accepting compensation for taking and distributing classroom notes undermines instructor interests in their intellectual work product while not substantially furthering instructor and student interests in effective learning. Such actions violate shared norms and standards of the academic community.

For additional information, please see: <https://policy.umn.edu/education/studentresp>

Academic Dishonesty: Academic (Scholastic) dishonesty means plagiarizing; cheating on assignments or examinations; engaging in unauthorized collaboration on academic work; taking, acquiring, or using test materials without faculty permission; submitting false or incomplete records of academic achievement; acting alone or in cooperation with another to falsify records or to obtain dishonestly grades, honors, awards, or professional endorsement; altering, forging, or misusing a University academic record; or fabricating or falsifying data, research procedures, or data analysis. (Student Conduct Code: https://regents.umn.edu/sites/regents.umn.edu/files/2019-09/policy_student_conduct_code.pdf)

Students are strictly responsible for following the code of conduct. Instances of academic dishonesty in my class will be referred to the appropriate university offices. Other violations of the Student Code of Conduct will also be referred. Consequences may include probation, suspension, or expulsion. If

it is determined that a student has cheated the student may be given an "F" or an "N" for the course and may face additional sanctions from the University. For additional information, please see: <https://policy.umn.edu/education/instructorresp>.

A useful list of Frequently Asked Questions pertaining to scholastic dishonesty can be found here: <https://communitystandards.umn.edu/avoid-violations/avoiding-scholastic-dishonesty>

Disability Resource Center: The University of Minnesota is committed to providing equitable access to learning opportunities for all students. The Disability Resource Center (DRC) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations. If you have, or think you may have, a disability (e.g., mental health, attentional, learning, chronic health, sensory, or physical), please contact the DRC at 612-626-1333 to arrange a confidential discussion regarding equitable access and reasonable accommodations. If you are registered with the DRC and have a current letter requesting reasonable accommodations, we encourage you to contact your instructor early in the semester to review how the accommodations will be applied in the course. Additional information can be found here: <https://diversity.umn.edu/disability/>

Student Mental Health: As a student you may experience a range of issues that can cause barriers to learning such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. University of Minnesota services are available to assist you with addressing these and other concerns you may be experiencing. You can learn more about the broad range of confidential mental health services available on campus via <http://www.mentalhealth.umn.edu/>

Sexual Harassment: I want to let you know that, in my role as a University employee, I am required to share information that I learn about possible sexual misconduct with the campus Title IX office that addresses these concerns. This allows a Title IX staff member to reach out to those who have experienced sexual misconduct to provide information about the personal support resources and options for investigation that they can choose to access. You are welcome to talk with me about concerns related to sexual misconduct. You can also or alternately choose to talk with a confidential resource; the University offers victim-advocacy support professionals, health services professionals and counselors that will not share information that they learn about sexual misconduct. If you want to speak confidentially with someone about an experience of sexual misconduct, please contact your campus resources including the Aurora Center, Boynton Mental Health or Student Counseling Services (<https://eoaa.umn.edu/report-misconduct>). If you want to report sexual misconduct or have questions about the University's policies and procedures related to sexual misconduct, please contact your campus Title IX office or relevant policy contacts.

Ally Statement: I strive to serve as an effective Ally for students who hold marginalized identities. I am available to listen and support you in a safe and confidential manner. I can help connect you with resources to help address barriers that may interfere with your academic and social success on campus as related to diversity, access, or safety. My goal is to help students be successful and to maintain a safe, accessible, and equitable campus.

Equity, Diversity, Equal Opportunity, and Affirmative Action: The University provides equal access to and opportunity in its programs and facilities, without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. For more information, please consult Board of Regents Policy:

http://regents.umn.edu/sites/regents.umn.edu/files/policies/Equity_Diversity_EO_AA.pdf

Academic Freedom and Responsibility: Academic freedom is a cornerstone of the University. Within the scope and content of the course as defined by the instructor, it includes the freedom to discuss relevant matters in the classroom. Along with this freedom comes responsibility. Students are encouraged to develop the capacity for critical judgment and to engage in a sustained and independent search for truth. Students are free to take reasoned exception to the views offered in any course of study and to reserve judgment about matters of opinion, but they are responsible for learning the content of any course of study for which they are enrolled. Reports of concerns about academic freedom are taken seriously, and there are individuals and offices available for help. Contact the director of undergraduate studies for any advice needed.