

Introduction to Organic Chemistry

CHEM 42/44 | CRN: 61353/61378

Instructor: Amy Hoeltge, Ph.D.

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Office: Innovation E337

Lecture: ONLINE

Office Hours: by appointment

Exams: Fridays (ONLINE)

Course Description: This is a hybrid (online/on-campus) course. Lectures, exams, and quizzes are all online. Labs are done on-campus. Material will include basic principles of organic chemistry including:

- bonding
- hybridization
- resonance theory
- isomerism
- conformations of cyclic and acyclic alkanes
- stereoisomerism
- chirality
- optical properties of stereoisomers
- nomenclature, reactions, and mechanisms of functional groups

Required Course Materials:

Textbook: Organic Chemistry: A Short Course; Hart, *et al*; 13th Edition (ISBN: 978-1111425562)

Online Access: OWLV2 (9781305665323)

☆*Options for text and online access purchasing*☆

1) UVM bookstore:

- Hardcover text without OWLV2 access card: \$151.00 before bookstore markup

2) OWLV2 Access Card: \$69.00 directly to students via Cengage Learning

- 24 months (4 semesters) of online access for Organic Chemistry
- With the OWLV2 Access Card you can order a print **rental** of the text for \$7.99 (this price includes shipping both ways)

3) Cengage Unlimited: \$119.99 for one semester

- Access to all of this publisher's e-books and learning platforms, (Including OWLV2, MindTap, WebAssign, SAM and CNOW), across all disciplines

Lab Manual (CHEM042 only): You will find all experiments as individual PDFs on your lab section's BB website. You are responsible for printing out each one and bringing it with you to lab.

Lab Notebook: A carbon-less copy notebook is required. You can find these in the UVM bookstore.

Safety eyewear: Everyone must wear OSHA approved safety glasses or goggles while in the lab. Students not observing this rule will receive a **zero** for the experiment, warnings will not be given. Safety eyewear can be purchased at the UVM bookstore or in Discovery's Stockroom.

Recommended Course Materials:

Organic Chemistry Molecular Model Kit (these help some people visualize molecules three dimensionally when they have trouble seeing 3D from 2D drawings)

Best bang for your buck:

https://www.amazon.com/Molecular-Model-Organic-Inorganic-Chemistry/dp/B0197R6P6Y/ref=pd_lpo_vtph_21_lp_t_3?_encoding=UTF8&psc=1&refRID=FDH861AYXHZGQZJ4TX8B

Exams: Five weekly online exams will take place on Fridays. You will have two hours to complete your exam once you begin. Please realize that once the two hours expires, the exam will shut down regardless of completion. There are no re-takes or makeups for these weekly exams. They will become available to you at 12:00am each Friday and they will close at 11:59pm the same day. You may log in to take your exam any time during this range but please leave yourself the whole two hours to finish (i.e. do not log in at 11pm to begin because you will not finish in time). A grade of zero will be assigned to any student who misses an exam. Please do not ask for an extension. Plan your schedule to accommodate these exams.

Online Quizzes: There will be eleven graded quizzes during the semester. These will be found online, at Cengage Learning via Blackboard. You will need OWLV2 access for these. Quizzes will be open for you to complete following the completion of a chapter. See the course schedule for dates.

Lab: Students enrolled in CHEM 042 must complete the laboratory component of the course. Attendance is mandatory and anyone missing more than two experiments will receive an F for the course. Only the academic dean of your college may assign an incomplete. An unexcused absence will result in a zero for the laboratory experiment. Due to the accelerated nature of Summer courses, lab makeups are not possible. Please arrive on time with your experiment PDF printed out, wearing close-toed shoes, safety eyewear, and your lab notebook. There is no eating or drinking allowed in the laboratory.

Final Exam: Your final exam will be available online via Blackboard at 12:00am on 8/8/19. The due date and time for this exam is 12:00pm on 8/9/19. Once you begin the final exam, you will have 2 hrs 45 min to complete it. The exam is scheduled to auto-submit your results after this time period, regardless of progress. So please plan accordingly. This exam is comprehensive and will include Chapter 11 material

Grading:

Exams*:	5 exams @ 80pts. ea.	400pts.	40.0%
Online Quizzes**:	11 quizzes @ 10pts. ea.	110pts.	11.0%
Final Exam***:	comprehensive	240pts.	24.0%
Labs:	10 experiments	250pts.	25.0%

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Total Course 1,000pts 100%

* No exam grades will be dropped. If one of your three mid-semester exams is lower (percentage wise) than your final exam, the percent you have earned on the final will substitute for that *single lowest* exam.

** Homework quiz due dates are posted in the course schedule at the end of this document.

***You must take the final exam to pass the course.

Accommodations:

Student Learning Accommodations Statement

"In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact ACCESS, the office of Disability Services on campus. ACCESS works with students to create reasonable and appropriate accommodations via an accommodation letter to their professors as early as possible each semester." Contact ACCESS: A170 Living/Learning Center - 802-656-7753 - access@uvm.edu.

Policy on disability certification and student support:

<http://www.uvm.edu/~uvmppg/ppg/student/disability.pdf>

Academic Integrity: This policy addresses plagiarism, fabrication, cheating, and collusion. <http://www.uvm.edu/policies/student/acaintegrity.pdf>

Code of Student Rights & Responsibilities:

<http://www.uvm.edu/policies/student/studentcode.pdf>

Center For Health & Wellbeing:

<http://www.uvm.edu/~chwb/>

Counseling & Psychiatry Services (CAPS):

<http://www.uvm.edu/~chwb/psych/>

If you are concerned about a UVM community member or a specific event, we encourage you to contact the Dean of Students Office at (802) 656-3380.

If you would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at:

<http://www.uvm.edu/~saffair>

Course Schedule

Week	Dates	Chapter(s)	Quizzes/Exams
1	7/1 – 7/5	1 & 2	Chapter 1 Quiz due 7/2 @ 11:59pm Chapter 2 Quiz due 7/4 @ 11:59pm Exam 1 (Ch 1 & 2) 7/5 (opens @ 12:00am ; closes @ 11:59pm)
2	7/8 – 7/12	3 & 4	Chapter 3 Quiz due 7/9 @ 11:59pm Chapter 4 Quiz due 7/11 @ 11:59pm Exam 2 (Ch 3 & 4) 7/12 (opens @ 12:00am ; closes @ 11:59pm)
3	7/15 – 7/19	5 & 6	Chapter 5 Quiz due 7/16 @ 11:59pm Chapter 6 Quiz due 7/18 @ 11:59pm Exam 3 (Ch 5 & 6) 7/19 (opens @ 12:00am ; closes @ 11:59pm)
4	7/22 – 7/26	7 & 8	Chapter 7 Quiz due 7/23 @ 11:59pm Chapter 8 Quiz due 7/25 @ 11:59pm Exam 4 (Ch 7 & 8) 7/26 (opens @ 12:00am ; closes @ 11:59pm)
5	7/29 – 8/2	9 & 10	Chapter 9 Quiz due 7/30 @ 11:59pm Chapter 10 Quiz due 8/1 @ 11:59pm Exam 5 (Ch 9 & 10) 8/2 (opens @ 12:00am ; closes @ 11:59pm)
6	8/5 – 8/9	11	Chapter 11 Quiz due 8/6 @ 11:59pm Final Exam (opens 8/8 @ 12:00am ; closes 8/9 @ 12:00pm)