Instructor	Email	Office Hours
Marci Moling	molingm@linnbenton.edu	Wednesdays 3-4 pm Thursdays 3-4 pm Fridays 11 am-12 pm **Other times by appointment

Lecture: MW 8:00-9:20 am **Laboratory:** R 8:00-9:20 am

Outcomes:

- Work safely in a laboratory environment while observing and accurately recording measurements related to chemical phenomena.
- Apply organic chemical principles and theories as they relate to radicals, alcohols, ethers, carbonyl compounds, conjugated systems, and aromatic compounds.
- Determine the chemical reaction type (substitution, elimination, addition, radical, and aromatic substitution), illustrate its mechanisms, and determine the products.
- Analyze IR, NMR, and Mass Spectroscopy data as they relate to structure.

Minimum Requirements:
Completion of CH 243 with a grade of "C" or better. Corequisite: CH 243L.

Required Materials:
Organic Chemistry, 3rd Ed., Klein
WileyPlus
The Organic Chem Lab Survival Manual, 9th Ed., Zubrick
Access Code for Sapling

**Note: You should not have to pay for access the Klein textbook or WileyPlus if you already paid for them

Optional Materials:
Molecular Model Kit

Science Help Desk:
The Science Help Desk will be available via Zoom. More information regarding the Science Help Desk will be posted to Moodle.

Course Expectations:
Class will be synchronous; we will be meeting on Zoom during our regularly scheduled class time. But since we are class is remote for the entire term, I have certain expectations:

1. Check your email and Moodle at least once a day.
2. The lecture videos will be posted to Moodle in case you are unable to "attend" class.

3. Keep up with the lecture schedule provided at the end of this syllabus. Especially if you are unable to make our Zoom class meetings.
4. Keep track of when materials are due/posted by checking the syllabus and/or Moodle.
5. You will upload quizzes and/or exams to Moodle. Different formats will be permitted, but it may be easiest for you to use a scanning app such as Google Drive or Adobe Scan. These apps allow you to take a picture of your document and save them as one PDF file.
6. Follow proper Zoom etiquette. We may not be face-to-face, but you should treat the experience as if you are face-to-face with myself and your fellow students. The following links may be helpful regarding Zoom etiquette and how to use Zoom.

https://www.psychologytoday.com/us/blog/do-the-right-thing/202003/top-10-tips-good-zoom-hygiene-and-etiquette-in-education

https://atguides.humboldt.edu/m/zoom/l/752185-how-do-students-use-zoom

https://zoom.us/docs/doc/Student%20Tips%20for%20Participating%20in%20Online%20Learning.pdf

Homework Problem Sets:
To succeed in organic chemistry, like learning a foreign language, you should study and practice every day. As material is covered you will find the problems are easier to work and not as time consuming as if they are attempted just before the due date. Keep in mind a typical science course takes **3-4 hrs of work per week outside of class for every credit hour**. Refer to the schedule for homework due dates and times. ***__No late homework will be accepted.__**

Weekly Survey:
Every week you will reflect on your understanding of the material presented.

Quizzes:
Seven quizzes will be given throughout the term (see the schedule for when quizzes will be posted and when they are due). You may work on the quizzes in groups as you have done for the last two terms, but the work must be done remotely. Quizzes will reflect material from the previous lectures and any homework assigned. The quiz problems are good practice for exams and assist with keeping students up to date with material. **No make-up quizzes are given.** The lowest quiz score will be dropped. Quizzes will be turned in by uploading the completed quiz to a link provided in Moodle.

Exams:
Two take-home exams will be given throughout the term (see the lecture schedule for when the exams will be posted and when they are due). Exams will be open note and open book. Each exam will contain an academic integrity statement that you will need to sign. You may print the exam and fill it out or write your answers on

notebook paper. Then you will need to scan it and upload it to Moodle. **No make-up exams will be given.**

Laboratory:
For lab this term, you will be working in assigned groups of three or four. I will provide each group with a compound. You will need to do a literature search so that your group can write an undergraduate organic chemistry synthesis experiment for the compound. After turning in your written synthesis experiment, you will have two weeks to write a paper about how you could optimize the experiment yield and how you might be able to make the experiment "greener".

Google Scan (Android only) or Adobe Scan (Android and iPhone) for submitting quizzes, exams, or lab reports.

To use Google Scan: On your Android device, Open the Google Drive App, click the + at the bottom right of the screen to Add an item, and Tap Scan (it may have a camera icon). Use your camera to take pictures, and the app will convert it to a PDF file.
To use Adobe Scan: On your device, download the Adobe Scan app. Open it and create an account. Use your camera to take pictures and the app will convert it to a PDF file.

If you have trouble uploading the PDF file from your phone to Moodle, try emailing it to yourself and use your desktop/laptop to upload the file.

Grading:

2 Mid-Term Exams	30%
ACS Final Exam	20%
Quizzes	15%
7 Sapling Homework Sets	10%
Weekly Survey	5%
Lab	20%

- Synthesis Experiment
- Paper for Optimizing Yield and "Greening" the Experiment

Course Grade:

90−100% A 80-89% B 70-79% C 60-69% D 59% and ↓ F

An incomplete grade (I) may be given at the discretion of the instructor. However, a student must have a passing grade at the time an incomplete is assigned.

Drop/Withdraw Policy: If you are withdrawing from the class you must file a Schedule Change Form with Registration or use WebRunner. If you formally drop the class **by Monday of the second week of the term**, you will receive a tuition

refund. If you withdraw after the Monday of the second week of instruction through the seventh week a **'W'** will show up on your transcript. No withdrawals are allowed after the end of the seventh week. An instructor may not assign a "W" grade.

If you received financial aid or veteran's benefits, PLEASE talk with associates at the appropriate office to determine what effects on eligibility dropping a course will have. Don't jeopardize your eligibility!! You can contact the Financial Aid Office by calling (541) 917-4850 or by visiting the Financial Aid Office in Takena Hall.

If you stop attending the course without formally withdrawing you will continue to accumulate grades (zeroes for all assignments not turned in) and will receive the grade assigned by the instructor. You will also be held accountable for all charges on your account.

Academic Integrity: "An instructor has the right to issue a grade of F for the course in which the instructor has reason to believe the student has cheated. A student has the right to appeal such action in accordance with the Students' Rights, Responsibilities and Conduct Policy." The preceding statement is Administrative Rule No. 7030-01.

Center for Accessibility Resources:
LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in this class, please contact your instructor as soon as possible to discuss your needs. If you think you may be eligible for accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services. Online course accommodations may be different than those for on-campus courses, so it is important that you make contact with CFAR as soon as possible.

LBCC Comprehensive Statement of Nondiscrimination:
LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public report.

HOMEWORK REGISTRATION INSTRUCTIONS FOR SAPLING

Students need to go to the Sapling Learning home page and click **US Higher Ed** to log in or create an account. Students need to go to Sapling-Learning Registering for Courses for instructions on how to register for their specific course.

Sapling Learning offers a grace period on payment; for most courses, this is 14 days from the first day of the term. During sign up or throughout the term, if students have any technical problems or grading issues associated with Sapling, please go to create a support case in our Students Support Community. Their response times are generally under 24 hours.

The Sapling Learning support team is almost always faster and better able to resolve issues than your instructor.

Lecture and Lab Schedule:

Week No.	Monday	Wednesday	Thursday	Homework
Week 1 4/6-4/10	Syllabus 16.1-16.5	16.6-16.10	16.10, 17.1-17.4 **Quiz 1 Posted** Project Discussion	*Ch 16 Sapling Due Sun (4/12) at 11:59 pm*
Week 2 4/13-4/17	17.5-17.7 **Quiz 1 Due**	17.8, 18.1-18.7 **Quiz 2 Posted**	18.7-18.11 & Project	*Ch 17 Sapling Due Sun (4/19) at 11:59 pm*
Week 3 4/20-4/24	18.11-18.15 **Quiz 2 Due** **Quiz 3 Posted**	19.1-19.5 **Quiz 3 Due**	19.6-19.9 & Project	*Ch 18 Sapling Due Sun (4/26) at 11:59 pm*
Week 4 4/27-5/1	**Exam 1 (Ch 16, 17, & 18)**	19.10-19.13	Project	
Week 5 5/4-5/8	20.1-20.7 **Quiz 4 Posted**	20.7-20.11 **Quiz 4 Due**	Project	*Ch 19 Sapling Due Sun (5/10) at 11:59 pm*
Week 6 5/11-5/15	20.11-20.14 **Quiz 5 Posted**	20.15, 21.1-21.3 **Quiz 5 Due**	Project	
Week 7 5/18-5/22	21.3-21.5	21.5-21.7 **Quiz 6 Posted**	Research Optimization **Synthesis Experiment Due**	*Ch 20 Sapling Due Sun (5/24) at 11:59 pm*
Week 8 5/25-5/29	**Holiday** **No Class** **Quiz 6 Due**	22.1-22.5	Research Optimization	*Ch 21 Sapling Due Sun (5/31) at 11:59 pm*
Week 9 6/1-6/5	**Exam 2 (Ch 19, 20, & 21)**	22.5-22.10	**Paper Due for Optimizing and Greening the Experiment**	
Week 10 6/8-6/12	22.11-22.13 **Quiz 7 Posted**	Review and Catch-up **Quiz 7 Due**	**ACS Final**	*Ch 22 Sapling Due Wed (6/10) at 11:59 pm*

****Note:** **This schedule of topics, homework due dates, and exam dates are subject to change.**