

## Chemistry 243: Organic Chemistry, Spring 2019

Instructor	Office	Email	Office Hours
Marci Moling	MH-210	molingm@linnbenton.edu	MWF 10:00–11:00 am MWF 1:00-2:00 pm

**Lecture:** MW 8:00-9:20 am in MH-208 (CRN 40172)

**Laboratory:** R 8:00-10:50 am in MH-213 (CRN 43661)

### 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 242 with a grade of “C” or better

### Required Materials:

*Organic Chemistry*, 3<sup>rd</sup> Ed., Klein  
*The Organic Chem Lab Survival Manual*, 9<sup>th</sup> Ed., Zubrick  
Access Code for Sapling  
Carbonless Lab Notebook  
Molecular Model Kit

**Optional Materials:** 1. Lab coat 2. Personal Safety Goggles

**Science Help Desk:** The Science Help Desk is located on the first floor of Madrone Hall in the atrium area. The Help Desk is manned approximately 20 hours per week. Hours of the Help Desk are posted in the Help Desk area.

**Attendance and Classroom Decorum:** Class attendance is very important to the learning of chemistry. Students are expected to attend class regularly and on time. Entering the classroom late or leaving before the class ends is distracting to students and your instructor. **Cell phone use is NOT allowed in the classroom.**

**Homework Problem Sets:** To succeed in 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.**

**Quizzes:** Quizzes will usually be given weekly. Quizzes will reflect material from the previous lecture(s) 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.

**Exams:** All exams are given in class. Students who have conflicts with exam days due to other College functions, illness, or family emergencies must contact the instructor prior to the exam. Documentation of the College function, illness and/or family emergency must be provided to schedule a make-up exam.

**Laboratory Reports:** Lab reports are due at the beginning of YOUR next lab session after the completion of the experiment. Late lab reports receive a 10% per day mark down. **No make-up labs will be given. You must receive at least 70% of the total lab points in order to pass the course regardless of passing the lecture. This is a lab class and in order to pass the course you must pass the laboratory component.**

**Extra Credit:** If you complete all of the quizzes your lowest quiz score will be used as extra credit.

**Grading:**

3 Exams (75 pts. each)	225 pts.
Final Exam	150 pts.
Quizzes approximately	100 pts.
7 Sapling Homework Sets (7 @ 10 pts. each)	70 pts.
Lab	140 pts.
• Literature Review (40 pts.)	
• 1 Lab Report (20 pts.)	
• Qual Lab Project (60 pts.)	
• Qual Lab Presentation (20 pts.)	

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Total	685 pts
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**Course Grade:**

90–100% A	80–89% B	70–79% C	60–69% D	59% and ↓ F
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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:**

You should meet with your instructor during the first week of class if:

1. You have a documented disability and need accommodations.
2. Your instructor needs to know medical information about you.
3. You need special arrangements in the event of an emergency.

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources Online Services web page every term in order to receive accommodations. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR website at [www.linnbenton.edu/cfar](http://www.linnbenton.edu/cfar) for steps on how to apply for services or call 541-917- 4789.

#### **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](http://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:

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

<b>Week No.</b>	<b>Mon.</b>	<b>Wed.</b>	<b>Laboratory</b>	<b>Homework</b>
<b>Week 1</b> 4/1-4/5	<b>Inservice No Class</b>	16.1-16.6	16.7-16.10, 17.1-17.4	<i>Ch 16 Sapling Due Sun (4/7) at 10:00 pm</i>
<b>Week 2</b> 4/8-4/12	17.5-17.7	17.8, 18.1-18.7	Library/Literature Search	<i>Ch 17 Sapling Due Sat (4/13) at 10:00 pm</i>
<b>Week 3</b> 4/15-4/19	<b>Exam 1 (Ch 16 &amp; 17)</b>	18.7-18.11	Literature Review	
<b>Week 4</b> 4/22-4/26	18.11-18.15	19.1-19.5	Iodination of Vanillin	<i>Ch 18 Sapling Due Tues (4/23) at 10:00 pm</i>
<b>Week 5</b> 4/29-5/3	19.6-19.9	19.10-19.13	Literature Review Due & Qual Lab	
<b>Week 6</b> 5/6-5/10	20.1-20.7	<b>Exam 2 (Ch 18 &amp; 19)</b>	Qual Lab	<i>Ch 19 Sapling Due Mon (5/6) at 10:00 pm</i>
<b>Week 7</b> 5/13-5/17	20.7-20.11	20.11-20.14	Qual Lab	
<b>Week 8</b> 5/20-5/24	20.15, 21.1-21.3	21.3-21.5	Qual Presentations	<i>Ch 20 Sapling Due Wed (5/22) at 10:00 pm</i>
<b>Week 9</b> 5/27-5/31	<b>Holiday No Class</b>	21.5-21.7	22.1-22.10	<i>Ch 21 Sapling Due Fri (5/31) at 10:00 pm</i>
<b>Week 10</b> 6/3-6/7	<b>Exam 3 (Ch 20 &amp; 21)</b>	22.11-22.13	Review	<i>Ch 22 Sapling Due Fri (6/7) at 10:00 pm</i>
<b>Week 11</b> 6/10-6/14	<b>Final Exam (8-9:50 am)</b>			