

Chemistry 243: Organic Chemistry, Spring 2021

Instructor	Email	Review Sessions
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Lecture via Zoom: MW 8:00-9:20 am

Laboratory via Zoom: Thursdays 8:00-10:50 am

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

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:

CH 242 with a grade of "C" or better.

Required Materials:

Organic Chemistry, 3rd Ed., Klein
Access Code for Sapling

**Note: The Klein textbook can be accessed via vitalsource.com from the account you made at the end of CH 241.

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 Format and Expectations:

Lecture and lab will be synchronous. The lecture and lab will be on Zoom during the times listed above. The time scheduled for lab will be a time for you to work in groups and prepare for the ACS exam, as well as catch up on any lecture material. Since the lecture and lab will not be in-person, I have certain expectations.

- You should be attending class regularly. If you have a conflict the Zoom sessions will be recorded and posted to Moodle. However, it will benefit you to be in class in case you have any questions.

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- Check your **LB email** and Moodle at least once a day.
- Keep up with the lecture schedule provided on Moodle (it may change from the one at the end of the syllabus), especially if you are unable to make the Zoom sessions. This also means working through the chapter problems as we complete each section. The more you practice, the more successful you will be in the course.
- Keep track of when materials are due/posted by checking the Weekly To-Do List on Moodle.
- You will be uploading your paper homework, quizzes, and exams to Moodle. **All assignments should be uploaded as a PDF file.** There are numerous apps that convert a picture into a PDF file (Google Drive, Adobe Scan, CamScanner, etc.). Use whichever app you are most comfortable with.
- Follow proper Zoom etiquette. The lecture 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>

Uploading Documents:

- Moodle App: Please see the “How to Submit an Assignment Using the Moodle App” under the General section of the Moodle course shell.
- Google Drive (Android only): To use the Google Scan option of Google Drive, 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 might have a camera icon). Use your camera to take a picture. Click Save, add a document title, and indicate what folder in Google Drive you want it saved to. Click Save and the app will convert it to a PDF file.
- Adobe Scan (Android and iPhone): On your mobile device, download the Adobe Scan app. Open the app and create an account. When the app is open it will search for the document and automatically take a picture. You can then adjust the borders of the document. Then click Continue. Repeat the process for each page of your work. The app will keep it as one document. Then, when all pages have been captured, in the bottom right corner will be the document. Tap on the picture, you can edit the document title, and then tap Save PDF. The Adobe Scan app gives you the option of copying to Google Drive or sharing the document.
- 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.
- Please make sure you can upload documents to Moodle before the first assignment is due.

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Sapling Homework:

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**. Sapling homework is due on Fridays at 11:59 pm on the date shown in the schedule. *****No late homework will be accepted.**

Weekly Paper Homework:

Every week you will be assigned a few questions from the textbook over material that was covered that week. You will work on them in groups during part of the Thursday class time. These paper homework assignments will be due on Fridays at 11:59 pm.

Chapter Quizzes:

There will be a quiz after every chapter. The quizzes will be the major assessment for this course besides the ACS exam. Quizzes will open on Fridays and due on Sundays by 11:59 pm. No make-up quizzes will be given.

ACS Final Exam:

The ACS exam will be in-person on the Albany campus on Monday, June 7th at 8am. The location is TBD.

Laboratory:

The laboratory grade will consist of writing two synthesis experiments. Students will be placed into groups and will decide on what two molecules they want to write a synthesis experiment for. The molecules synthesized must contain at least two functional groups and an undergraduate organic chemistry student should be able to perform the experiment. You will be required to research the molecules using scientific journals (i.e., The Journal of the American Chemical Society, The Journal of Chemical Education, The Journal of Organic Chemistry, etc.). You must have three citations for each synthesis experiment. Late papers will not be accepted.

Grading:

Chapter Quizzes	40%
ACS Final Exam	20%
Sapling Homework Sets (Chapters 16-22)	10%
Paper Homework and Participation	10%
Lab: Two Synthesis Experiments	20%

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Course Grade:

90-100% A 80-89% B 70-79% C 60-69% D 0-59% 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 dropping/withdrawing from the class, you must 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 remotely via Zoom.

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:

Academic integrity is the principle of engaging in scholarly activity with honesty and fairness and participating ethically in the pursuit of learning. Academic integrity is expected of all learners at LBCC. Behavior that violates academic integrity policies at LBCC includes cheating, plagiarism, unauthorized assistance or supporting others in engaging in academic dishonesty, knowingly furnishing false information, or changing or misusing college documents, among others. LBCC students are responsible for understanding and abiding by the College's academic integrity policy.

If I become aware of academic misconduct, I will meet with the student(s) in question to discuss the matter and may assign a consequence of an "F" or "NP" for part of the assignment, the entire assignment, or the course overall. I will also report the matter to the Manager for Student Conduct and Retention, and the College may take further disciplinary action. When in doubt if something constitutes academic misconduct, please contact me and ask for clarification.

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

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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 1015](#) in our Board Policies and Administrative Rules.

HOMEWORK REGISTRATION INSTRUCTIONS FOR SAPLING

1. Go to www.saplinglearning.com/login to create an account. If you already have a Macmillan Learning account you can log in with your existing credentials and skip to step 3.
 - o Create your password and set all three security questions.
 - o Start typing in your institution to select from the options that appear in the Primary Institution or School name field. If your institution does not appear you can add it by typing in the full name.
 - o Accept the terms of use and click “Sign Up”.
 - o Check your email for the confirmation link to complete your registration and return to the login page.
2. Set your institution by searching using your institution’s full name and selecting the appropriate option from the menu that appears.
3. Under Enroll in a new course, you should see Courses at **Linn-Benton Community College**. Click to expand this list and see courses arranged by subject. Click on a subject to see the terms that courses are available.
4. Click on the term to expand the menu further (note that Semester 1 refers to the first course in a sequence and not necessarily the first term of the school year).
5. Once the menus are fully expanded, you’ll see a link to a specific course. If this is indeed the course you’d like to register for, click the link.
6. *If applicable*, to access your ebook click on the image of the cover on the right sidebar of your course site. Create an account, or log in with an existing Macmillan Learning eBook account.
7. **Need Help?** Our technical support team can be reached by phone, chat, or by email via the Student Support Community. To contact support, please open a service request by filling out the webform: <https://macmillan.force.com/macmillanlearning/s/>

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

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Chem 243 Schedule:

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

Week No.	Monday	Wednesday	Thursday	Homework	Assessments
Week 1 3/29-4/2	Syllabus, 16.1-16.4	16.4-16.7	16.7-16.8, 17.1-17.3 & Wk 1 Paper HW	<i>Ch 16 Sapling Due Fri (4/2) Week 1 Paper HW Due Fri (4/2)</i>	<i>Ch 16 Quiz Due Sun (4/4)</i>
Week 2 4/5-4/9	17.4-17.6	17.6-17.8, 18.1-18.2	18.3-18.7 & Wk 2 Paper HW	<i>Ch 17 Sapling Due Fri (4/9) Week 2 Paper HW Due Fri (4/9)</i>	<i>Ch 17 Quiz Due Sun (4/11)</i>
Week 3 4/12-4/16	18.8-18.12	18.12-18.15 19.1-19.2	19.3-19.5 & Wk 3 Paper HW	<i>Ch 18 Sapling Due Fri (4/16) Week 3 Paper HW Due Fri (4/16)</i>	<i>Ch 18 Quiz Due Sun (4/18)</i>
Week 4 4/19-4/23	19.6-19.10	19.10-19.13, 20.1-20.3	Wk 4 Paper HW & ACS Review	<i>Ch 19 Sapling Due Fri (4/23) Week 4 Paper HW Due Fri (4/23)</i>	<i>Ch 19 Quiz Due Sun (4/25)</i>
Week 5 4/26-4/30	20.4-20.7	20.7-20.10	Wk 5 Paper HW & ACS Review 1st Synthesis Expt Due	<i>Week 5 Paper HW Due Fri (4/30)</i>	
Week 6 5/3-5/7	20.10-20.15	21.1-21.2	Wk 6 Paper HW & ACS Review	<i>Ch 20 Sapling Due Fri (5/7) Week 6 Paper HW Due Fri (5/7)</i>	<i>Ch 20 Quiz Due Sun (5/9)</i>
Week 7 5/10-5/14	21.2-21.4	21.5-21.7	Wk 7 Paper HW & ACS Review	<i>Week 7 Paper HW Due Fri (5/14)</i>	
Week 8 5/17-5/21	21.7, 22.1-22.3	22.3-22.9	Wk 8 Paper HW & ACS Review	<i>Ch 21 Sapling Due Fri (5/21) Week 8 Paper HW Due Fri (5/21)</i>	<i>Ch 21 Quiz Due Sun (5/23)</i>
Week 9 5/24-5/28	22.9-22.13	22.13 & Review	Wk 9 Paper HW & ACS Review 2nd Synthesis Expt Due	<i>Ch 22 Sapling Due Fri (5/28) Week 9 Paper HW Due Fri (5/28)</i>	<i>Ch 22 Quiz Due Sun (5/30)</i>
Week 10 5/31-6/4	Holiday No Class	Review	ACS Review		
Week 11 6/7-6/11	ACS Exam 8:00-9:50 am				