

**CHEMISTRY 334L, SUMMER 2024**  
**ORGANIC CHEMISTRY II LABORATORY**

<b>Coordinator</b>	Jeff Charonnat Office: Magnolia 4301 Office Hours: MF 1:00 pm – 2:30 pm Phone: (818) 677-2109 E-mail: jeff.charonnat@csun.edu
<b>Class Meetings</b>	TWTh 1:00 pm – 3:50 pm Magnolia 4306
<b>Text &amp; Supplies</b>	California State University, Northridge, <i>Chemistry 334L Laboratory Manual</i> A bound laboratory notebook (e.g., National #43-461) A pair of safety goggles A supply of disposable nitrile gloves Wade, <i>Organic Chemistry</i> , 9th edition Simek and Wade, <i>Solutions Manual for Organic Chemistry</i> , 9th edition <i>Molecular Visions</i> molecular models A laptop or tablet with a working camera and microphone Internet access capable of streaming video content
<b>Course Web Site</b>	<a href="http://www.csun.edu/~hcchm007/chem334L.html">http://www.csun.edu/~hcchm007/chem334L.html</a>

**Additional Resources**

Technique videos are available online at the [UCLA Office of Instructional Development](#).

See the [CSUN Chemistry](#) YouTube channel for specific CSU Northridge experimental videos.

**Requisite Courses**

Required prerequisites are Chemistry 333, Chemistry 333D, and Chemistry 333L, or their equivalents, with a minimum grade of C- in Chemistry 333.

Current enrollment or a previous passing grade in Chemistry 334 is a required corequisite.

**Course Content and Objectives**

This laboratory course covers reactions common in chemical synthesis, including arene substitution, transformations of carbonyl compounds, the Diels-Alder reaction, and polymer synthesis.

**Student Learning Outcomes**

Students will work effectively and safely in a laboratory environment. They will have the ability to a) follow experimental chemical procedures, b) maintain a proper laboratory notebook, and c) perform chemical syntheses.

## Academic Honesty and Integrity

By enrolling in this class, you agree to abide by all California State University, Northridge policies of academic honesty and integrity. Students violating these standards will receive a zero for the work in question and may have their case referred to the Office of the Vice President for Student Affairs for appropriate disciplinary action. For example, students who copy or merely paraphrase another student's work will receive a zero for each instance.

The following pages of the 2023–2024 California State University, Northridge catalog describe details of the University policies:

<http://www.csun.edu/catalog/policies/academic-dishonesty/>  
<http://www.csun.edu/catalog/policies/faculty-policy-on-academic-dishonesty/>  
<http://www.csun.edu/catalog/policies/penalties-for-academic-dishonesty/>

## Additional Course Policies

No electronic recording (screenshot, audio, photographic, nor video) of the laboratory sessions is allowed.

All course content (the laboratory manual, pre-lab lectures, videos, quizzes, etc.) can be used by you only for your own, personal educational purposes. This course content is protected by copyright law and may not be shared, uploaded, or distributed without authorization. Students who violate copyright law will have their case referred to the Office of the Vice President for Student Affairs for appropriate disciplinary action.

Students are required to be logged in to Zoom with their video cameras turned on during quizzes if these exercises are conducted online. Virtual backgrounds in Zoom are allowed.

## Grading

The grade in this course will be based on the completion of the experiments, pre-lab preparation, in-lab observations, post-lab conclusions, laboratory technique, reports, products, and quizzes. See the point distribution handout for details.

Point total for the course: 142 points.

Some of the graded work must be uploaded to Canvas. This work must be submitted by the stated deadlines. If difficulty is encountered when attempting to upload a graded assignment, the instructor must be contacted within ten minutes of the deadline to avoid a late-submission penalty. There is at least a 10% deduction for the unauthorized, late submission of graded work.

Students will only be admitted to the laboratory for a given experiment if their pre-laboratory preparation has already been submitted to Canvas.

No make-up quizzes nor lab sessions will be given. Excused absences, substantiated by an appropriate, written confirmation received within two weeks, will result in no penalty. Unexcused absences will result in a zero for the experiment(s) in question. A maximum of two excused absences will be allowed.

The following percentage values will be used for the assignment of overall, course letter grades: **A** above 87%; **A-** 85–87%; **B+** 82–84%; **B** 78–81%; **B-** 75–77%; **C+** 70–74%; **C** 65–69%; **C-** 60–64%; **D+** 57–59%; **D** 53–56%; **D-** 50–52%; **F** below 50%.

## **Safety**

A significant portion (70%) of your technique score will be allocated toward adherence to the department's safety rules. For example, you are expected to wear appropriate personal protective equipment (PPE), ensure the laboratory space remains clean, not use cell phones in lab, avoid horseplay or other distracting or unsafe behavior, and strictly follow all safety guidelines (both the guidelines presented on the first day of the course and those specified for each experiment by the instructor).

You must purchase and bring your own pair of safety goggles and supply of nitrile gloves to all laboratory sessions. Goggles and nitrile gloves can be purchased at the campus bookstore. If you prefer, you can purchase nitrile gloves through a vendor such as [Amazon](#). In the event that you arrive on campus for laboratory without your PPE or lose yours, you can obtain replacements at the campus bookstore throughout the semester.

## **COVID-19 Considerations**

This class will be held in-person and will meet on-campus.

The instructor will notify you of any COVID policy changes that may occur during the semester if necessary. If you develop COVID symptoms, please stay home, inform the instructor, and complete the [declaration form](#). Contact tracers will reach out to you to make sure you have all the resources you need, and to provide further instructions on quarantines, required testing, and when you can return to campus.