## Chem 51LB Winter 2015 Syllabus

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Dr. Renée Link</th>
<th>Head TA</th>
<th>Chris Kotyk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:rlink@uci.edu">rlink@uci.edu</a></td>
<td>Email</td>
<td><a href="mailto:ckotyk@uci.edu">ckotyk@uci.edu</a></td>
</tr>
<tr>
<td>Office</td>
<td>RH 574</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dr. Link’s Office Hours
- M 2:00-2:45 PM
- W 1:00-2:00 PM

### Lab Lecture
- M 5:00 – 5:50p PSLH 100
- W 5:00 – 5:50p HSLH 100A
- T 12:00 – 12:50p VirBela (online)
- Th 2:00 – 2:50p VirBela (online)
- W 3:00 – 3:50p VirBela (online)

### Required Materials
- **Techniques in Organic Chemistry** 3rd edition. Mohrig, Hammond, Schatz
- **Piazza.com** for communication (FREE!) See details below.
- **Lab Archives** electronic laboratory notebook (see class website for sign-up link)
- Molecular model kit (available in bookstore)
- Safety goggles (available in bookstore)
- Lab apron (available in bookstore)
- 1 box of nitrile gloves (available in bookstore)

### Course Website
- [http://sites.uci.edu/chem51labs/](http://sites.uci.edu/chem51labs/)

### Course Objectives
The aim of the Organic Chemistry Laboratory Series (Chem 51L) is to provide you with an opportunity to learn about the synthesis, separation, purification, and identification of organic compounds. This course consists of weekly laboratory sections containing experiments designed to help students develop the observational and critical thinking skills that are essential prerequisites for a successful career in science (or any professional field). You are expected not only to perform the experiments in the laboratory, but also to think about the principles behind the experiments. Please note that 51LB is the first in a SEQUENCE of lab classes. It builds upon concepts learned in 51A/B lecture, and concepts and techniques learned 51LB lab will be used in 51LC lab.
You will be expected to know and apply techniques and concepts from all prior organic lectures and labs.

Experiments
A calendar of experiments is posted on the class website on the class Google calendar. Documents containing specific details of each experiment will be posted under the Experiments sections as the quarter proceeds. **ALL PRELAB WORK, INCLUDING ONLINE SAPLING LEARNING ASSIGNMENTS, MUST BE COMPLETED BEFORE YOUR LAB SECTION.** More details on Sapling are presented later in this document. Students without a completed pre-lab will not be allowed to conduct the experiment and receive a zero grade for the pre-lab, in-lab work and written discussion scores for the experiment.

Safety
**Safety will be strictly enforced!** Read the “Safety” link under the Documents section of the course website before your first lab section. All students must complete a safety quiz and sign a safety agreement on Sapling before working in lab. Students are required to follow all safety rules, wear safety equipment (goggles and lab apron) and proper clothing (NO shorts, miniskirts, or sleeveless tops; shoes must COMPLETELY cover feet) at all times. Failure to follow safety rules will result in expulsion from the lab section and a zero score for the pre-lab, in-lab work and written discussion of the week’s experiment.

Lab Lectures
Lab lectures are conducted in an interactive manner, and participation is required. Participation counts as three percent of your overall lab grade. Sections offered in a face-to-face setting will use iClickers. Sections offered online meet at the time specified for the section using the online system VirBELA. You may miss one lab lecture meeting with no grade penalty.

Sapling Registration
1. **USE YOUR FULL NAME AS IT APPEARS ON THE CLASS ROSTER. NO NICKNAMES OR SHORT NAMES.**

2. **USE YOUR UCI EMAIL ADDRESS.** Students enrolled on Sapling with other email addresses will be removed from the 51LB class on Sapling.

3. You will also need to enter your 5-digit Course Code for your **lab section, not your lecture section,** which can be found on EEE, to make sure your scores are assigned to the correct section.

4. Payment is not required until two weeks after the first day of class. You may pay earlier if you wish.
Sapling Assignments

Sapling prelab assignments for an experiment open one week before a student performs that experiment. For example, a student with a Monday lab will have access to the Sapling prelab assignment the Monday before they perform that lab. Unless otherwise stated by the instructor or the Head TA, **Sapling prelab assignments for an experiment are due two hours before a student’s lab.** For example, a student with a Monday 1:00pm lab section will have their Sapling assignment due Monday 11:00am. **The assignment must be COMPLETE when the due date and time arrives. This means that every question must have been answered correctly or given up on.** Students who fail to complete the assignment cannot do the experiment and will receive a zero for the experiment score but will be allowed to complete the post-lab assignment with a point deduction. **There are no exceptions.**

Piazza

This term we will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates, the TAs, and instructor. Rather than emailing questions, you are encouraged you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com. Find our class page at [https://piazza.com/uci/winter2014/chem51lb/home](https://piazza.com/uci/winter2014/chem51lb/home)

Absences

One, and only one, make-up lab maximum per student may be allowed, provided the student shows sufficient evidence to justify missing the lab. Students who miss an experiment must contact Dr. Link immediately, **regardless of any statements made by a TA.** Exceptions are allowed for religious holidays IF arrangements are made with Dr. Link IN ADVANCE!

Illnesses

Students showing signs of a contagious illness (especially flu symptoms) should not attend lab lecture or lab sections. Because of the likelihood of absences due to flu this quarter, students are urged to remain home to recover and contact Dr. Link to make-up the lab.

Enrollment

ENROLLMENT FOR CHEMISTRY COURSES W15— Use **WebReg**— ([http://www.reg.uci.edu/registrar/soc/webreg.html](http://www.reg.uci.edu/registrar/soc/webreg.html)) to add, drop, or change grade option for your classes.

**Enrollment Deadlines:**

• **ADD/DROP/CHANGE:** The deadline is the end of Week 2 by 5:00PM (January 16, 2015).
  *Submit an Enrollment Exception via StudentAccess for Add/Drop/Change requests after the deadline.*

You are strongly encouraged to consult the Chemistry Undergraduate Office website at [http://www.chem.uci.edu/undergrad](http://www.chem.uci.edu/undergrad). You will find answers to your most Frequently Asked Questions.
The Chemistry Undergraduate Program Office is located in NS2 1101. Email: undergrad@chem.ps.uci.edu; Phone: (949) 824-2895; Fax 949.824.8571.

*Open Hours*: Monday through Friday from 9:00AM - 3:30PM. Closed 12-1pm. Subject to change and listed on the Chemistry Undergraduate Office website.

General Reading

Before attending the first lab section, all students should read the safety, “Keep Our Labs Clean”, and “Lab Notebooks and Reports” documents under the Documents section of the course website. Students must also read Techniques 1-7 & 9 in Techniques in Organic Chemistry (3rd ed). The purpose of these techniques is to familiarize yourself with safety and procedures in the organic chemistry laboratory. Many will be familiar from general chemistry. When you come across a technique in the experiment procedures or handouts, return to the appropriate technique section to be sure you understand the procedures and concepts.

Grading (Tentative, values subject to change)

**Sapling Assignments** (Pre-lab & beginning of term assignments) 41 pts
Online Sapling prelab assignments due two hours before lab period. 2-5 points each assignment.

**Lab Lecture Participation** 21 pts

**Daily Experiment Score** (Weeks 1-5,7,8) 105 pts
Pre- and In-lab performance, safety, clean up, etc. 15 points each experiment.

**Post-Lab Assignments** 235 pts
Experiments 2-4 Scaffolds. 40 points each assignment.

Experiment 5 Report 45 points
Unknowns Project Report 70 pts

**IR/NMR In-Lab & Worksheet** 30 pts
In-lab 10 pts. Worksheet 20 pts

**Sapling Spectroscopy Dry Lab** 20 pts

**Lab Practical** 180 pts
Lab practicals will be held Weeks 9-10 during your regular lab section time. See class calendar for specific dates.
Letter Grades: Letter grades are determined on a curve based on the mean and standard deviation for each section and the mean and standard deviation for the class as a whole. This means that the standard 90/80/70/60 percentage scale **DOES NOT** apply. The cutoff for an A might be above 90%, depending on the statistics for your section and the class. This method of determining letter grades is necessary to account for grading differences amongst TAs. For a detailed description of how grades are determined, please see the class website. Letter grades are **NOT** given for individual assignments.

TA Office Hours: A schedule of TA office hours will be posted on the website Google calendar by week 2. You may go to any office hour. TA office hours are held in RH 550 from when the schedule is posted until the end of lab practicals.

Email Etiquette: Dr. Link and the Head TA will answer questions by email as often as possible, but due to the number of students in the class, please understand that emails are sometimes missed. Please use a salutation in your email (e.g. Hi, Dr Link . . .) and include your name, student ID and lab section course code. Also specify that you are a 51LB student.

Disability Services: Accommodations will be made for students with disabilities according to Disability Services Center policies. It is the student's responsibility to meet with each instructor at the beginning of the quarter to discuss disability-related needs in the course including appropriate testing accommodations.

Academic Honesty: Academic dishonesty will not be tolerated. While collaboration in lab is expected, written lab work is an individual effort. Copying from any portion of the written work from other students is not allowed and constitutes academic dishonesty. The turnitin.com service will be used to detect plagiarism in lab reports. Providing your work to another student who then copies your work is also considered an act of academic dishonesty on your part even if you did not intend for the other student to use your work. Students committing academic dishonesty will receive an F grade for the course, and a letter will be sent to the student’s Dean to be placed in their permanent academic file. For more information on Academic Honesty, see the university’s policy at:

http://www.editor.uci.edu/catalogue/appx/appx.2.htm