Instructor: Dr. Renée Link
Email: rlink@uci.edu
Head TA: Shawn Miller
Email: shawnm@uci.edu
Office: NS2 2113
Dr. Link’s Office Hours: M 1:30-2:30 PM W noon -1 PM

Lab Lecture
M 4:00 – 4:50p HSLH 100
M 6:00 – 6:50p BS3 1200
W 4:00 – 4:50p HSLH 100
W 6:00 – 6:50p BS3 1200

Required Materials

- Techniques in Organic Chemistry 3rd edition. Mohrig, Hammond, Schatz
- Sapling Online Homework (for Prelab assignments): http://www.saplinglearning.com/
- Carbon-copy Laboratory notebook (available in bookstore)
- 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/

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 and builds upon concepts learned in 51A lecture. You will be expected to know and apply techniques and concepts from 51A and 51B in this class.

Experiments
A calendar of experiments is posted on the class website under the Documents section and 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. 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.

**Sapling Registration**

1. USE YOUR FULL NAME AS IT APPEARS ON THE CLASS ROSTER.
2. USE YOUR UCI EMAIL ADDRESS.
3. You will also need to enter your 5-digit Course Code for your lab 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.

**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. 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 F12**— 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 or Drop/Change Grade Option: The deadline to Add/Drop/Change Grade Option in the Department of Chemistry without permission using WebReg is the end of Week 2 by 5:00PM (January 18, 2013).

  *Please NOTE: The add deadline is earlier than the School of Physical Sciences week 3 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 the answers to your most Frequently Asked Questions on this site and any changes to the open hours.

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:
Subject to change and listed on the Chemistry Undergraduate Office website.
Monday through Friday from 9:00AM -11:30AM & 1:00PM-3:30PM.

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)

- **Prelab Assignments (1-7)**
  - Online Sapling prelab assignments due two hours before lab period. 5 points each assignment.

- **Experiments (1-7)**
  - Pre- and In-lab performance, safety, clean up, etc. 15 points each experiment.

- **Report Drafts (1-2, 5-6)**
  - Partial written discussion turned in to the TA. 15 points each assignment.

- **Complete Reports (3-4)**
  - Written discussion turned in to TA. 35 points each assignment.

- **Project Report (7)**
  - Written discussion on the multi-week project to be turned in to the TA.

- **Oral Presentation**
  - One per quarter that is in addition to, not instead of, the normal written report for the experiment the oral presentation is on.

- **Dry Lab**
  - An online assignment on Sapling focused on spectroscopy independent of the weekly labs.

- **Lab Practical**
  - Lab practicals will be held week 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 508 from the first week of class until the end of lab practicals.

Email Etiquette
Dr. Link 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. 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. 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