

Chemistry 201/401 – Independent Research

Fall 2010

Advisor: Kristen M. Meisenheimer Office: FOE 25-234 Phone: 756-1672 Email: kmeisenh@calpoly.edu Lab phone: 756-9791 Website: http://chemweb.calpoly.edu/kmeisenh/	Office Hours M: 11:10-12:00 T: 1:10 – 2:00 W: 10:10 -11:00 R: 10:10 –11:00 F: By appt. EPC: TBA
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Notebook:	Laboratory Notebook
Safety	Lab coat ANSI approved goggles Rubber gloves or disposable nitrile gloves
Contact info:	An active email address

Student Responsibilities:

1) General

- One unit of independent research requires a student to work 3-hours per week in the lab. Two units = 6-hours per week , etc.
- You will need to fill out a key request for Building 52: D-9, D15, and D-17.
- One meeting with advisor once a week or during a group meeting to discuss your progress and future goals
- keep up-to-date lab AND spectral notebooks
- 300 MHz NMR training
- wash all of your glassware as soon as possible after your reaction is complete
- label all of your products and spectra as such: your initials_followed by notebook page of reaction_the number of times you attempted to make this product. (e.g.: KMM_1_47_2) This indicates that the procedure for this reaction can be found in my first notebook, on page 47, and it was the second time I attempted to make this product
- place all of your isolated products immediately in properly labeled vials (see above) and store them in your assigned drawer.

General (cont'd)

- check-out of the lab at the end of the quarter by stockroom personnel. Prior to check-out make sure all products are properly stored, your work area is neat, and all dishes are clean and put away.

2) Safety

- Safety goggles must be worn at ALL times in the lab.
- No food (or drink) is allowed in the lab.
- Safety sheets must be turned in during the first week to stockroom with the following safety information for:
 - acetone, ethyl acetate, heptane, dichloromethane, methanol, diethyl ether, liquid nitrogen, tetrahydrofuran, silica gel
- Unfamiliar laboratory procedures should be reviewed (or performed) with advisor.
- No working after hours or on weekends, unless advisor is on campus.
- If you are the last student to leave the lab, please make sure:
 - all hot/stir plates are turned off and unplugged
 - rotovap chiller, pump, and motor are turned off
 - vacuum pump is turned off and one of the manifold valves is open to air
 - caps are on all waste bottles in the hood
 - hood sash is lowered