CHEM-269, Organic Chemistry Lab – Day One

Preparation for Check-In

1. Purchase acceptable eye protection, print out photos of equipment (we will have a few for those who do not wish to print these), and read and print "Check-In Handout" on the website.

2. Do the Safety OWL and the Course Policy OWL assignments. You must complete at least these OWLs before the start of your lab. This is a legal issue and cannot be waived.

Preparation for the First Experiment – Melting Point

1. Print out melting point handout from course website and any other relevant materials.

2. Write a good prelab outline (see the handout "How to Keep Your Lab Notebook and a Sample Notebook Entry" on course website under "general handouts") before coming to lab.

3. Complete the Melting Point OWL pre-lab assignment.

4. Bring eye protection to lab and come properly dressed. You will not be allowed to work in the lab without acceptable eye protection or if you are not properly dressed.

If you have not done the pre-lab write up,
you will not be allowed to work in the lab.

Prelab outline is based on experiment handout and owl assignment.

- Test of a good outline? Could you do the experiment using *only* your outline?

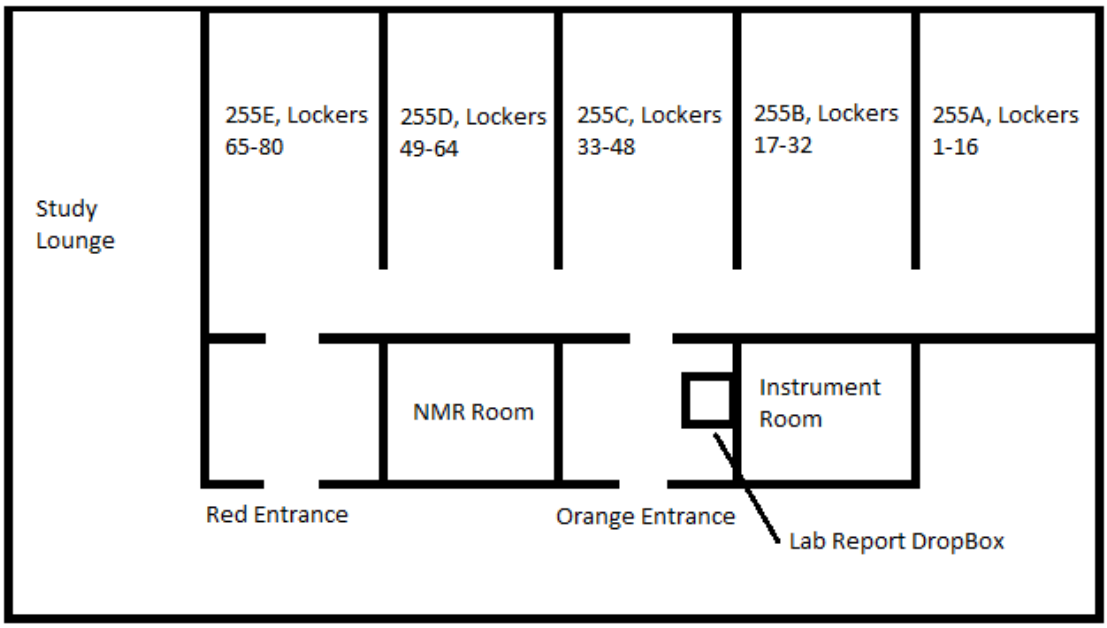
Actual Day One - Find out where to go in ISB

1. Go to 2nd floor of ISB and find the entrance to 255. Just outside double doors to the right as staircase next to main ISB entrance ends. Find your name on the list and note room (255A, 255B or 255C) and locker number. If your name does not appear on the list, go to step 3. See map below.

2. Wait in lobby until you are asked to enter the lab. Go about halfway down lab corridor and enter via the orange entrance on the right. See map below. Go to step 4.

3. If your name is not on the list outside double doors, enter double doors from lobby, go down the hall to the red entrance and find your name on that list and note room (255D or 255E) and locker number. Wait in the study lounge until you are asked to enter the lab. Go to step 4. See map below

4. When asked to enter lab, find your room and locker and immediately put on safety glasses/goggles.



Actual Day One - Check-In and the Melting Point Experiment

- The TA will give an introduction to the lab. Afterwards, you can then check-in your equipment referencing photos, checklists. Sign the equipment document and Safety Dress Code and Consequences forms.

- After everyone is finished with check-in, your TA will give a melting point pre-lab talk. Afterwards, your TA will make sure your melting point pre-lab outline is adequate.

- Once your TA has signed off on your pre-lab outline, begin with the experiment.

- Keep good notes as you work - see the handout on course website for sample notebook entries and a report.

- When finished, clean up work areas (both inside fume hood and lab bench), turn off all electrical devices, water supply valve and vacuum, lock drawer and get TA signature.

- Lock your drawer and keep your key for the remainder of the semester. Remember to bring your key each week. A lost (not forgotten) key will result in a $1.00 charge for each instance, payable at the end of the semester. Failure to pay the lost key charge(s) will result in a grade of "I" in this course.

- You are allowed one "free" breakage of glassware during the course of the semester. Anymore and you will be responsible for the cost to replace whatever piece it was that was broke. A list of prices can be found on the course website. This applies to glassware in your drawer, but not the test-tubes.

For the next (and following) lab period:

Do melting point experiment postlab OWL assignment. Write-up post-lab report for melting point; prepare for Thin-Layer Chromatography experiment as you did above. Repeat for remainder of semester.