Chemistry 2130
Organic Chemistry Laboratory I
Spring Semester 2020

Instructor:
Professor Timothy Glass
E-Mail: glasst@missouri.edu

Head TA: Peeyush Yadav
Office: 324 Chemistry
E-Mail: pytcd@mail.missouri.edu
Office Hours: Wed 2-3pm, Thur 2-3 pm

Recitation:
Middlebush Auditorium, Monday at 3:00 pm.

Book:
A carbonless lab notebook at least 50 pages long.

Safety: Safety is our highest priority. Students must have safety glasses or goggles suitable for laboratory work. Approved glasses or goggles bear the inscription “Z87.” Missouri State law requires safety glasses or goggles for all persons in chemistry laboratories. Safety glasses or goggles may be purchased from the bookstore. Students must have eye protection before entering the laboratory. Refusal to wear safety glasses/goggles will result in ejection from the laboratory. Ordinary eyeglasses do not offer sufficient protection from chemical splashes. This requirement is non-negotiable. If you forget your goggles, go home and get them. There are no spares to borrow. Sandals or opened toed shoes are NOT allowed in the laboratory at any time.

Web Sites:
The course Canvas website is found at http://courses.missouri.edu. This is mainly for grades. The course lab site is found at https://chemistry.missouri.edu/class/chem-2130. This site has all the instructions for the labs themselves.

Exam:
You will be given one 50-minute examination - April 27 at 3:00 pm in Middlebush Auditorium.

Grades:
The first 4 lab reports will be graded out of 30 lab points.
Pre-lab 8 points for each lab – being ready!
In-lab 10 points for each lab – not blowing up the lab!
Post-lab 12 points – what did the lab mean?

The remaining 7 lab reports will be graded out of 40 points
Pre-lab 8 points for each lab – being ready!
Mechanism 5 points: must use CORRECT arrow pushing and be properly drawn.
In-lab 10 points for each lab – not blowing up the lab!
Post-lab 12 points – what did the lab mean?
Percent yield calc. 5 points: for inclusion and proper execution.

Lab Total: 30 points X 4 labs = 120 points
40 points X 7 labs = 280 points

Policy Quiz 10 points
Examination 80 points (end of the semester: April 27 @ 3:00 pm)
Lab Cleanup points 10 points (the last week of lab)
Course Total: 500 points

The TA’s will grade the pre-labs directly into your notebooks and they will provide feedback on how to do a better prelab AND your first two pre-labs can be copied (allowing for a few minor obvious differences!) from the syllabus into your lab notebook. A good prelab consists of Title, names, purpose, mechanisms (if applicable) reagents table, and procedure. The in-lab portion consists of doing the experiment and collecting the proper data in the proper format. The post lab data will consist of writing a good discussion, percent yield calculations, conclusion (not a restatement of the discussion but connecting the lab to the real world of organic synthesis and science!), analysis of spectra, and answering any specific questions asked at the end of the experiment. This lab is logical and it will help reinforce the basic skills of synthesis.

If you miss four or more labs (or fail to turn in the reports), you will automatically get an F for the course.

**General Considerations:**
1) Your TA will check to see whether you have written down the experimental procedures to each lab at the beginning of each lab. Failure to do so will result in 8 points being automatically deducted from your lab. Do not come to lab without having written the procedure.
2) Everything goes directly into your notebooks in PEN (blue or black) and your TA will only get the carbon copy (carbon copy) so write clearly. If the TA can’t read it, they can’t grade it and they give the grade!
3) Each lab (carbon copy) is due the next lab. If you have labs on Tuesdays, then your labs are due the NEXT lab meeting in lab etc. **Note that 20% of the grade for a lab will be deducted for each day that it is late.** Late labs are to be turned in to the TA as soon as possible. Any requests for grade changes for lab reports needs to be addressed with you TA within ONE week of its’ posting on Canvas. Any requests after the given time will **not** be considered.
4) **Missed labs:** If you miss a lab, you can email the other labs’ TA and ask for a make-up lab. If, for some reason, you are not able to attend any of the lab sections in the week, then you’ll be excused for the week if you can present a valid written proof to your respective TA. If not, you’ll be awarded 0. The following four are the events in which you’ll be excused and may not be asked for a make-up lab:
   1. If you’re sick, you’ll present a doctor’s note.
   2. If you have to go to court for jury duty or some other things, you’ll present the invitation letter.
   3. If you’re going out of town for some school-related work (interviews, conference, competitions), you’ll ask your in-charge to send an email to your respective TA.
   4. If there’s a death in the family, you’ll provide the obituary as a proof.

**Academic Integrity:**
1. The wording on your lab reports should be your own. Do not copy your lab partner’s wording, even though the both of you work together.
2. Submitting a lab report for a lab that you were absent will be considered a serious offense.
3. Academic integrity is fundamental to the activities and principles of a university. All members of the academic community must be confident that each person’s work has been responsibly and honorably acquired, developed, and presented. Any effort to gain an advantage not given to all students is dishonest whether or not the effort is successful. The academic community regards breaches of the academic integrity rules as extremely serious matters. Sanctions for such a breach may include academic sanctions from the instructor, including failing the course for any violation, to disciplinary sanctions ranging from probation to expulsion. When in doubt about plagiarism, paraphrasing, quoting, collaboration, or any other form of cheating, consult the course instructor.

**Disability Accommodations:**
Please let me know as soon as possible if:
   - You anticipate barriers related to the format or requirements of this course.
   - You have emergency medical information to share with me.
   - You need to make arrangements in case the building must be evacuated.
If you require disability-related accommodations (such as a notetaker, extended time on exams or captioning), please establish an Accommodation Plan with the Disability Center: disabilitycenter.missouri.edu (573-882-4696). After you have registered, please notify me of your eligibility for reasonable accommodations. For other MU resources for students with disabilities, click on "Disability Resources" on the MU homepage.