Chemistry 36
Fall 2004

Course Times: Section 101: Tues/Thurs 1:25 – 4:25 pm
Section 102: Tues/Thurs 6:30 – 9:30 pm

Course Location: 205/215 Whitmore Lab

Faculty in charge:
Dr. Katie Masters
Director, Organic Chemistry Labs
Dr. Jackie Bortiatynski
Director of Instrumentation
Office: 211B Whitmore
Office: 211D Whitmore
Phone: 863-3319
Phone: 865-2772
Email: kmasters@psu.edu
Email: jackie@chem.psu.edu
Office Hours: Mon/Wed 1:30 – 3:00 pm

Course Website: http://courses.chem.psu.edu/chem36

Required Materials:
3. Eye Protection - Eye Protection is required at all times in the Organic Laboratory! See Information on Eye Protection in Chapter 2
4. Organic Lab Equipment Kit of expendable items including 2 NMR tubes, 15 TLC plates, 12 vials, etc. This kit is available at the Penn State Bookstore.
5. Combination or key lock

If you wear shorts or a top that exposes your midriff, you must purchase and wear a plastic lab apron to protect your midriff and legs. You CANNOT wear open-toe shoes in the lab!

Course Objective: To learn and master fundamental organic chemistry laboratory techniques, to perform synthetic reactions, work-ups, and purifications, and to learn how to operate instrumentation and analyze spectral data.

Grading: Each student has the ability to acquire a total of 2050 points for the semester. There will be five (5) techniques experiments (one which will not count towards your final grade, but will serve as practice), one (1) spectral unknown experiment, and five (5) synthetic experiments. Each technique and synthetic experiment will have one PreLab and Final Report due; these are worth 100 points each. The spectral unknown only has a Final Report due which is worth 100 points. You will have five (5) quizzes throughout the semester (see schedule for dates); each is worth 10 points. The quizzes will consist of two questions (typically) and will test your preparedness for the experiment you are doing that day. Your TA will also evaluate your laboratory performance; this evaluation is worth 100 points. The average final grade per section is typically a B+. Your TA should provide the class with averages for each report and quiz; use this average as a reference point to gauge your progress. Your TA should also hand back your reports no later than one week after the due date. If this is not being done, please see Dr. Masters.