

Instructor: Mike McGregor [mmcgregor@chm.uri.edu](mailto:mmcgregor@chm.uri.edu)

Course content: Students will complete technique and synthesis experiments, keep a lab notebook and analyze their data. A multi-step synthesis project at the end of the course and a written final exam will complete the course.

Required Materials: RAM account for stockroom purchases. Personal protective gear includes safety goggles, lab coat, nitrile gloves. (from or approved by stockroom) A carbon-copy lab notebook and drawer padlock. (from bookstore)

Absentee Policy: Attendance is required. A missed technique class counts as the dropped lab score. There are no makeups for missed techniques. One missed synthesis class can be made up at the end of the term.

Grading:	Technique experiments (data sheets and pre-lab questions)	6 x 50 points	300
	Synthesis experiments (full reports and pre-lab questions)	5 x 110 points	550
	Final Experiment	200 points	200
	Final exam	100 points	100

Procedures for all experiments must be written into the lab notebook. The printouts from the sakai site, or any other material not hand-written in the lab notebook may not be brought into the laboratory. Completed prelabs must be handed in to the TA at the beginning of the lab period. Students who are unprepared with a written procedure or lacking personal protective gear will not be allowed to do the experiment.

Late policy; All assignments are due at the beginning of the lab period. Students will have at least a full week to complete an assignment. Assignments that are one day late will have a 50% deduction. No experiments will be accepted after one day late.

Equipment and check out: Students are responsible for the equipment in their drawer. Any broken equipment must be replaced at the student's expense. Broken shared equipment is the same. Unpaid

bills at the stockroom will result in a hold on the students e-campus account. Improper checkout will result in a \$10 charge.

Academic integrity: Academic dishonesty will not be tolerated. Students who cheat or misrepresent their work will be subject to the disciplinary actions contained in the URI University Manual, including a grade of zero on the assignment/exam. All students must read and sign the Department of Chemistry's policy on plagiarism and academic dishonesty prior to beginning this course. **The most common problem in CHM 226 is plagiarism. Changing a few words from someone else's work is still plagiarism. Make sure that you properly cite anything that is not your own work.**

#### CHM 226 Schedule Summer 2013

Date	Experiments
June 25	Safety/check-in, Chemdraw, ACS
26	Techniques, Recrystallization
27	Brominating Alkenes
July 2	Acylation of Ferrocene
3	Chromatography
9	NMR, Distillation
10	Suzuki
11	Diels-Alder
16	Benzil
17	Wittig (makeup)
18	Begin Peptide synthesis
23	Finish peptide synthesis
24	Final/checkout