

SCHEDULE -- Organic Chemistry CH 339 Lab, Spring 2007

Text References:

1. "Organic Laboratory Techniques," 3rd edition, Fessenden & Fessenden & Feist (FFF) (purchase at PSU Bookstore)
2. "Organic Chemistry Laboratory II for Chemistry Majors, CH 339, PSU" (Lab Manual) (purchase at Smart Copy)

Lab Reports:

1. Experiments 1 and 6 will be reported in a journal-style write up.
2. Experiments 2, 3, and 7 will be reported on the synthesis form found in the Lab Manual.
3. Experiments 4, 5, 8, and 9 will be reported on specific forms found in the Lab Manual.

DATE	EXPERIMENT	READING	ASSIGNMENT DUE
April 2/3 Mon/Tue	Check in Calibrated Peer Review (CPR)	Lab Manual, p 2-13 CPR Handout	
April 4/5 Wed/Thu	Experiment 1 Isolation of Cholesterol from Gallstones	Lab Manual, p 14-17	Expt. 1 Questions
April 9/10 Mon/Tue	Experiment 2 Synthesis of <i>trans</i> -Stilbene	Lab Manual, p 18-21	
April 11/12 Wed/Thu	Experiment 3 Acetylation of Ferrocene / Chromatography	Lab Manual, p 22-28 FFF, p 119-125;133-39	Expt. 1 CPR entry
April 16/17 Mon/Tue	Experiment 4 (continue Exp. 3, part II) Resolution of α -Phenylethylamine	Lab Manual, p 29-32	Expt. 2 Synthesis form
April 18/19 Wed/Thu	Complete Experiments 3 and 4		Expt. 1 CPR reviews
April 23/24 Mon/Tue	Experiment 5 Literature Research	Lab Manual, p 33-36 FFF, p 197-201	Expt. 3 Synthesis form
April 25/26 Wed/Thu	Experiment 6 Multistep Synthesis	Lab Manual, p 37-47	Expt. 4 Report form
April 30/May 1 Mon/Tue	Continue Expt. 6 Multistep Synthesis	FFF, p 179-194	Expt. 1 Final rewrite
May 2/3 Wed/Thu	Continue Expt. 6 Multistep Synthesis		Expt. 5 Literature report
May 7/8 Mon/Tue	Complete Expt. 6 Multistep Synthesis		
May 9/10 Wed/Thu	Experiment 7 Nylon by Interfacial Polymerization	Lab Manual, p 48-49	
May 14/15 Mon/Tue	Experiment 8 Chemically Active Extraction	Lab Manual, p 50-52 FFF, p 54-61	
May 16/17 Wed/Thu	Experiment 9 Qualitative Analysis	Lab Manual, p 53-57 Unknowns Handout	Expt. 7 Synthesis form
May 21/22 Mon/Tue	Continue Expt. 9 Qualitative Analysis	FFF, p 163-177	Expt. 8 Report form
May 23/24 Wed/Thu	Continue Expt. 9 Qualitative Analysis		Expt. 6 Journal-style report
May 29 Tue	Continue Expt. 9 Qualitative Analysis		
May 30/31 Wed/Thu	Continue Expt. 9 Qualitative Analysis		
June 4/5 Mon/Tue	Complete all work		
June 6/7 Wed/Thu	Clean up and check out Review for final exam		Expt. 9 Report form
Final Exam June 13 - 8 am	Wed, Jun 13, 8:00 - 9:50 am, Hoffmann Hall Hand in your notebook before the final exam.		Complete notebook

Note for students enrolled in CH 406 - This course supplements CH 338 to make it equivalent to CH 339.

CH 406 students will perform only Experiments 1, 4, 5, 8, and 9.

There will be a separate final exam for CH 406, held at the same time and place as indicated on the schedule.