

**LABORATORY SCHEDULE
CHEMISTRY 267
Fall 2009**

Primary Text: Experimental Organic Chemistry 2nd Ed by Gilbert and Martin
Additional Resources: CRC Handbook of Chemistry & Physics
 NIOSH Registry of Toxic Effects of Chemical Substances

WEEK	EXPERIMENT	READ	DO
Aug 19 - Aug 25	Introduction, Safety Lecture and Test	Chpt 1 and Chpt 2.1-2.5, 2.16	
Aug 26 - Sept 01	Recrystallization of Benzoic Acid	P 87-97 and Sec 2.6, 2.9-2.11, 2.17, 2.19	p 97, B1 (not decoloration)
Sept 02 - Sept 08	Melting Points	Sec 2.7 and 3.3	Handout
Sept 09 - Sept 15	Extraction with Solvents	Sec 2.21 & 5.1-5.3	Handout
Sept 16 - Sept 22	Column/TLC	Sec 6.1, 6.2, 6.3	Page 159, Fluorene-fluorenone
Sept 23 - Sept 29	Simple Distillation	Sec 4.1, 4.2	Mini-scale on page 119 using Ethyl Acetate & Butyl Acetate instead of cyclohexane
Oct 06 - Oct 08	Fractional Distillation	Sec 4.1, 4.3	Same as simple with a Vigreux Column inserted
Oct 13 - Oct 15	Mid-Term		
Oct 20 - Oct 22	Gas Chromatography	Sec 6.1, 6.4	per instructors directions
Oct 23	Withdraw Day	Last day to withdraw	
Oct 27 - Oct 29	S _N 1 to form Chloromethylbutane	Sec 14.1, 14.2, 14.3 14.5	P 389
Nov 03 - Nov 05	Dehydration of 2-methyl cyclohexanol	Sec 10.1,10.3	Handout
Nov 10 - Nov 12	Oxidation of Cyclododecanol	P 436-441	P 439-441
Nov 17 - Nov 19	Polymerization	Sec 21.1,21.2, 21. 3	Styrene p 594-B Nylon p 601
Dec 01 - Dec 03	FINAL EXAM		NOTEBOOKS DUE

REMINDERS: You will not be allowed in lab with an incomplete notebook.
 You may be evicted from class for failure to follow proper safety procedures or refusal to follow instructor's directions.