

**LABORATORY SCHEDULE  
CHEMISTRY 268  
Fall 2009**

**Primary Text:** Experimental Organic Chemistry 2<sup>nd</sup> 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	Infrared Spectroscopy	P 197-216	Handout
Sept 02 - Sept 08	Infrared Continued Nuclear Magnetic Resonance	P 197-216 and P 217-253	Handout
Sept 09 - Sept 15	Nuclear Magnetic Resonance and Problems	P 217-253	Handout
Sept 16 - Sept 22	Grignard Synthesis of triphenylmethanol	P 517-530 P 536-537	P 524-A and P 528-B Miniscale
Sept 23 - Sept 29	Completion of Grignard, Relative Rates of Electrophilic Aromatic Substitutions	P 394-397 and P 423	P424-425
Oct 06 - Oct 09	Diels-Alder RXN	P344-348	P350-B
<b>Oct 13 - Oct 16</b>	<b>Mid-Term</b>		
Oct 20 - Oct 23	Start Unknowns- Complete Physical Properties and Solubility Tests	P 619-686	P 621-622 and P 626-629
<b>Oct 23</b>	<b>Withdraw Day</b>	Last day to withdraw	
Oct 27 - Oct 30	Unknowns Continued- Complete Classification Test		
Nov 03 - Nov 06	Unknowns Continued- Begin Synthesis of Derivatives	P 630-632 and other Materials	P 641-686
Nov 10 - Nov 13	Unknowns Continued- Complete Synthesis of Derivatives		
Nov 17 - Nov 20	Unknown Completion- NMR / IR of Unknowns		
<b>Dec 01 - Dec 04</b>	<b>FINAL EXAM</b>		<b>NOTEBOOKS DUE</b>

**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.