Laboratory Experiments  
Chem 322-Spring 2010  
(320 Drake)

Dates:
Feb. 15-19  Nitration of Methyl Benzoate – Reaction 716  
Questions: Pre-lab 1-3; Post-lab 1-3

Feb. 22-March 26 Isolating Clove Oil– Tech 722 + Handout  
Questions: Pre-lab 1-3; Post-lab 1,3

March 1-5  Aldehydes and Ketones – Analytical 728  
Questions: Pre-lab 2,3; Post-lab 1,2

March 8-12 Aldol Condensation – Synthesis 720  
Questions: Pre-lab 1-4; Post-lab 1-3

March 15-19 Aspirin Synthesis – Synthesis 745  
Questions: Pre-lab 1-3; Post-lab 1-3

March 22-April 2 No Lab

April 5-9 Isopentylacetate – Fischer Esterification – Synthesis 713  
Questions: Pre-lab 1-4; Post-lab 1

April 12-16 Grignard Reaction – Handout, Questions in Handout

April 19-23 Reduction of Vanillin to Vanillyl Alcohol, Handout, Questions in Handout

April 26-30 Wittig, Handout.

May 3-7 Qualitative Analysis/Unknowns* - Analytical 727

May 10-14 Finish: Qualitative Analysis*/Unknowns*  
Questions: Pre-lab 1-5; Post-lab none

* You must finish the Qualitative Analysis/Unknowns lab to pass the laboratory portion of the class.

~ No lab grades are dropped; your score will be calculated based on ten labs.  
~ Attending alternate lab sections due to illness (with a written physician’s excuse) is permitted. Any other reasons must be approved by the Office of the Dean of Arts and Sciences.

Remember to:  
Bring your goggles  
Wear appropriate clothing  
Bring bound lab notebook.