

## SCHEDULE -- Organic Chemistry CH 338 Lab, Spring 2005

### Texts:

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

### Notes:

1. Safety goggles and notebook are needed for all labs, including the first lab.
2. You must read the lab manual and the corresponding FFF references before coming to the lab.
3. Lab Report Forms are needed for experiments involving synthesis. Items 1-9 must be completed before coming to the lab. The Lab Report Form can be downloaded from the lab website:  
<http://chem.pdx.edu/~wamserc/Labs/CH338M.html>
4. **Lab reports are due one week after the experiment is completed.**

PERIOD	EXPERIMENT	READING/ASSIGNMENTS
<b>1 (Mar 28 - 31)</b>	Check in Begin Exp. 1: Synthesis of <i>trans</i> -Stilbene	Lab Manual, p 2-13 Lab Manual, p 14-17
<b>2 (April 4 - 7)</b>	Complete Exp. 1 Begin Exp. 2, Part I: Acetylation of Ferrocene and Column Chromatography * complete filtration and washing of the crude product (it needs to dry before column chromatography)	Lab Manual, p 18-21 FFF, p 119-125
<b>3 (April 11 - 14)</b>	Complete Exp. 2, Parts I and II	FFF, p 133-139 Lab Manual, p 22-24 Turn in Exp. 1 synthesis form
<b>4 (April 18 - 21)</b>	Begin Exp. 3: Isolation of Cholesterol from Gallstones	Lab Manual, p 25-28 Turn in Exp. 2 synthesis form
<b>5 (April 25 - 28)</b>	Complete Exp. 3 Begin Exp. 4: Multistep Synthesis	Lab Manual, p 29-39
<b>6 (May 2 - 5)</b>	Continue Exp. 4	
<b>7 (May 9 - 12)</b>	Continue Exp. 4	Turn in Exp. 3 (journal-style report)
<b>8 (May 16 - 19)</b>	Continue Exp. 4	
<b>9 (May 23 - 26)</b>	Complete Exp. 4 Exp. 5: Nylon by Interfacial Polymerization	Lab Manual, p 40-41
<b>10 (May 31-Jun 2)</b>	Complete all work Clean up and check out Review for final exam	Turn in Exp. 4 synthesis form Turn in Exp. 5 synthesis form
<b>Final Exam June 8</b>	<b>Wed, June 8, 8:00 - 9:50 am, Hoffmann Hall</b> Hand in your notebook just before the final exam.	