

# CH 337 LAB SCHEDULE

## Winter 2007

### Texts

"Organic Laboratory Techniques," 3<sup>rd</sup> edition, Fessenden & Fessenden & Feist (purchase at PSU Bookstore)  
 "Organic Chemistry Laboratory I, CH 337," PSU (purchase at Smart Copy, 1915 SW 6th Ave.)

### Notes

- Experiments begin on the first day of lab. Safety goggles and notebook are needed for the first lab.
- You must read the lab manual and the corresponding FFF references before coming to the lab.
- Lab Report Forms are needed for experiments involving synthesis. Items 1-9 must be completed before coming to the lab (see Lab Manual pp 41-43 for instructions). Lab Report Form can be downloaded from the course website at <http://chem.pdx.edu/~wamserc/Labs/CH337M.html>
- Lab reports are due one week after the experiment is completed.

PERIOD	EXPERIMENT	REFERENCES
1 (Jan 8 - 11)	Check in. Begin <u>Exp. 1: Melting Points</u> .	Lab Manual, p 2-4, 5-6, 7-10 FFF, p 1-19 Lab Manual, p 11-18 FFF, p 39-46
2 (Jan 16 - 18) (Note - no Mon lab)	Complete <u>Exp. 1: Melting Points</u> . Begin <u>Exp. 2: Recrystallization</u> .	FFF, p 23-36 Lab Manual, 19-23 Lab Manual, Appendix B, p 55
3 (Jan 22 - 26)	Complete <u>Exp. 2: Recrystallization</u> Begin <u>Exp. 3: Fractional Distillation</u> .	FFF, p 77-96 Lab Manual, p24-31
4 (Jan 29 - Feb 1)	Continue <u>Exp. 3: Fractional Distillation</u> : gas chromatography, refractive index. Begin <u>Exp. 4: Isolation of Eugenol from Cloves</u> .	FFF, p 141-151, 115-118, 107-110 Lab Manual, 32-36 Lab Manual, Appendix F, p 63-65
5 (Feb 5 - 8)	Complete <u>Exp. 3</u> . Complete <u>Exp. 4</u> .	
6 (Feb 12 - 15)	Begin <u>Exp. 5: Caffeine from Tea</u> .	FFF, p 49-54, 58-61, 111-113 Lab Manual, p 37-40
7 (Feb 19 - 22)	Begin <u>Exp. 6: Cyclohexene from Cyclohexanol</u> . Complete <u>Exp. 5: Caffeine from Tea</u>	Lab Manual, p 41-43, 47-48 Lab Manual, p 44-46
8 (Feb 26 - Mar 1)	Begin <u>Exp. 7: Triphenylmethanol - Grignard Method</u> .	Lab Manual, p 49-53
9 (Mar 5 - 8)	Complete <u>Exp. 6</u> . Complete <u>Exp. 7</u> .	
10 (Mar 12 - 15)	Complete all work. Clean up and check out.	
<b>Final Exam</b>	<b>Wed, March 21, 8:00 - 9:50 am, Hoffmann Hall</b> <b>Hand in your notebook at the final.</b>	