

## SCHEDULE FOR CH 327

Summer 2007

### Texts

1. "Organic Laboratory Techniques," 3<sup>rd</sup> edition, Fessenden & Fessenden & Feist (purchase at bookstore)
2. "Organic Chemistry Laboratory I, CH 327," PSU (purchase at Smart Copy)

### 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 reports are due one week after the experiment is completed.

PERIOD	EXPERIMENT	REFERENCES (to be read before coming to lab)
1 (June 18/19)	Check in. Begin Exp. 1, "Melting Points".	Lab Manual, p 2-4, 5-6 FFF p 1-19 Lab Manual, p 7-11 FFF, p 39-46
2 (June 20/21)	Complete Exp. 1.	
3 (June 25/26)	Exp. 2, "Playing with Models" (bring yours if you have some). Take home a filter paper to practice "fluting" (FFF, p. 28) in preparation for Exp. 3.	Lab Manual, p 16-22
4 (June 27/28)	Exp. 3, "Recrystallization".	FFF, p 23-36 Lab Manual, p 26-27 Lab Manual, Appendix B, p 46
5 (July 2/3)	Complete Recrystallization. Exp. 4, "Simple Distillation".	FFF, p 77-88 Lab Manual, p 28-32
6 (July 4/5*)	Exp. 5, "Fractional Distillation".	FFF, p 93-96 Lab Manual, p 32-36
7 (July 9/10)	Continue Exp. 5; gas chromatography and refractive index. Begin Exp. 6, "Isolation of Citral".	FFF, p 141-151, p 115-118 Lab Manual, p 36-37 Lab Manual, Appendix C, D, p 47-50 FFF, p 107-110 Lab Manual, p 38-41
8 (July 11/12)	Complete Exp. 5 and Exp. 6.	
9 (July 16/17)	Exp. 7, "Isolation of Caffeine".	FFF, p 49-54, 58-61, 111-113 Lab Manual, p 42-44
10 (July 18/19)	Clean up and check out. Hand in remaining reports	

\* No Labs on July 4

**Final Exam**, July 19<sup>th</sup> Time and place TBA.  
**Hand in your notebook at the final.**