

SCHEDULE

Texts

1. "Organic Laboratory Techniques," 3rd edition, Fessenden & Fessenden & Feist (purchase at bookstore)
2. "Organic Chemistry Laboratory II, CH 328," PSU (purchase at Smart Copy)

- CH 327 is a pre-requisite. 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.

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PERIOD	EXPERIMENT	REFERENCES
1 (July 23/24)	1. Check in. 2. Begin <u>Exp. 1: Acetylation of Ferrocene and Column Chromatography</u> . Complete filtration and washing of the crude product (needs to dry before chromatography). IR of ferrocene.	1. Lab Manual, p 2-6 p 7-9 p 10-12
2 (July 25/26)	1. Hand in problems <u>11.1, 11.2, 11.3, 11.4</u> in FFF (p. <u>130</u>) before you begin this experiment 2. Continue <u>Exp. 1: Column Chromatography of Acetylferrocene</u> .	1. FFF, p 119-125 2. Lab Manual, p 12-13
3 (July 30/31)	1. Before you begin <u>Exp. 2: Thin-Layer Chromatography</u> , hand in problems <u>12.1, 12.2</u> in FFF (p. <u>139</u>). 2. Begin <u>Exp. 2: Thin-Layer Chromatography</u> . IR of acetylferrocene.	1. FFF, p 133-138 2. Lab Manual, p 14-17
4 (Aug 1/2)	1. Begin <u>Exp. 3: Triphenylmethanol - Grignard Method</u> .	1. FFF, p 153-159 2. Lab Manual, p 20-24
5 (Aug 6/7)	1. Complete <u>Exp. 3</u> . 2. Acetylferrocene report due (include addendum for TLC) .	1. FFF, p 23-32 2. Lab Manual, p 18-19
6 (Aug 8/9)	1. Begin <u>Exp. 4: Chemically Active Extraction</u> . 2. Begin <u>Exp. 5: Ethyl Butyrate by Direct Esterification</u> ;	1. FFF, p 54-61 2. Lab Manual, p 25-30
7 (Aug 13/14)	1. Complete <u>Exp. 4</u> . 2. Complete <u>Exp. 5</u> . 3. Chemically Active Extraction report due .	
8 (Aug 15/16)	1. Begin <u>Exp. 6: Preparation of <i>o</i>-Chlorobenzoic Acid</u> . 2. Triphenylmethanol report due .	1. Lab Manual, p 31-32
9 (Aug 20/21)	1. Complete <u>Exp. 6</u> . 2. Begin <u>Exp. 7: Cholesterol from Gallstones</u> . 3. Esterification report due .	1. Lab Manual, p33-35
10 (Aug 22)	1. Clean up and check out. 2. <i>o</i>-Chlorobenzoic Acid report due . 3. Cholesterol report due .	
(8/22)	1. <u>Final Exam</u> . August 22 nd Time and place TBA 2. Hand in your notebook at the final .	

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