

CHEM 440 **14** LAB SCHEDULE

Week	Date	Topic	Points	Writeup due
1	8/26	<i>check in</i> , Exp. 1: Synthesis of Substituted Benzyl Ethers (the reaction Tuesday, workup on Wednesday)	30	9/22
2	9/2	Synthesis of Substituted Benzyl Ethers (purification)		
3	9/9	Synthesis of Substituted Benzyl Ethers (characterization)		
4	9/16	Exp. 2: Reduction of Conformationally Biased Cyclohexanones with Various Hydride Sources (the reaction)	30	10/16 (ratios due by email 5 pm, Th, 10/2)
5	9/23	Exam 1 (filter, rotovap, vac pump on Tuesday)		
6	9/30	Reduction of Cyclohexanones with Various Hydride Sources (purification, characterization)		
7	10/7	Exp. 3: Linear Free Energy Relationships and the DDQ Oxidation of Substituted Benzyl Ethers (staggered start)	25	10/23 (calculations due T, 5 pm 10/14)
8	10/14	Exp. 4: Synthesis of Deuterium Labeled Benzyl Ethers (the reaction, workup on Friday)	30	11/13
9	10/21	Synthesis of Deuterium Labeled Benzyl Ethers (purification)		
10	10/28	Exam 2		
11	11/4	Synthesis of Deuterium Labeled Benzyl Ethers (characterization)		
12	11/11	Exam 3		
13	11/18	Exp. 5: Kinetic Isotope Effects and the DDQ Oxidation of Labeled Benzyl Ethers (staggered start). Will get results by appt.	15	12/2
14	11/25	Thanksgiving week		
15	12/2	<i>check out</i>		

The lab component of your overall course grade is 130 out of the total of 660 possible points. Writeups will be done in the same format as in Chem 221. Any deviations or additions to the writeup format will be noted in the handout associated with each experiment.