

Wednesday Lab Schedule

Dates	Experiment	Reading	Questions for Report
1/18 &1/25	<i>Syllabus and check out / check in</i> <i>Experiment [A3a] The Aldol Condensation: Ttriphenylcyclopentadienone.</i> Methods: mp, IR, ¹ H NMR Scale = 4x (400-mg scale). **Product Card Due: Wednesday, Feb 8 th 1:10 pm in Tomsich 207**	Mayo: pp. 279 – 280, 435 – 438 Zubrick: Chs. 12, 33, 34	8-13, 14, 16, 17
2/1 & 2/8	<i>Experiment [A4ab] Diels-Alder Reaction: Hexaphenylbenzene.</i> Methods: pyrolysis, IR, TLC Scale = 2x **Lab Report –include Aldol Condn. Due: Wednesday, Feb 22 nd 1:10 pm in Tomsich 207**	Mayo: pp. 421 – 424, 449 – 453 Zubrick: Chs. 18, 27	8-32, 33, 34
2/15 & 2/22	Oxidation of Cyclohexene Methods: Macroscale, IR **Product Card Due: Wednesday, March 22 nd 1:10 pm in Tomsich 207**	Handout Zubrick Chs.	In Handout
3/1	<i>Experiment [B2] and [B3] Preparation of Adipoyl chloride and the polyamide - Nylon-6,6</i> Methods: Macroscale, IR **Product Card Due: Wednesday, March 22 nd 1:10 pm in Tomsich 207**	Mayo: pp. 453 – 454, 457-461	8-42, 43, 44, 45, 46, 47
3/22 &3/29	<i>A Two-step Synthesis of a 4'-Substituted-2,4-Dinitrodiphenylamine</i> Methods: recrystallization, mp, IR, reflux, Macroscale (Kontes Kem Kit®) Scale = 800-mg scale (p. 448). **Product Card Due: Wednesday, April 12 th at 1:10 pm in Tomsich 207**	Handout Zubrick: Chs. 12, 13, 18, 22, 33	In Handout
4/5 &4/12	<i>Esterification of D-Glucose.</i> Methods: reflux, recrystallization, mp, polarimetry, 300 MHz ¹ H NMR Macroscale (Kontes Kem Kit®) **Lab Report Due: Wednesday, April 26 th 1:10 pm in Tomsich 207**	Handout Zubrick: Chs. 12, 13, 18, 22, 34	In Handout
4/19 &4/26	Project TBA and Catch up time ** Product Card Due: Wednesday, May 3 rd 1:10 pm in Tomsich 207**	Handout	Handout
5/3	Final exam (1:10 – 3:40 pm) and lab Check Out (3:40 – 4:00pm)		