

CHL 202 – Organic Chemistry II Laboratory Summer Session II, 2018

Text: *La Salle University CHL 201-202 Laboratory Manual* (Custom text from Freeman Publishing), adapted from Mohrig, Schatz and Morrill, *Modern Projects and Experiments in Organic Chemistry*, Freeman, New York, 2003).

Instructor: William Price

<u>Date</u>	<u>Experiment</u>
July 2	Exp. 16: Interconversion of 4- <i>tert</i> -butylcyclohexanol and 4- <i>tert</i> -butylcyclohexanone. Part 1: Oxidation
July 3	Exp. 16: continued. Part 2: Reduction
July 5	Exp. 14: Grignard Synthesis of Secondary and Tertiary Alcohols

July 9	Exp. 14: continued
July 11	Spectroscopy Workshop – Mass, IR, ¹ H NMR, ¹³ C NMR
July 12	Exp. 11: Diels-Alder Reaction

July 16	Exp. 13: Acylation of Ferrocene
July 18	Exp. 13: continued
July 19	Exp. 12: Selectivity in the Bromination of Acetanilide

July 23	Exp. 15: Phase Transfer Catalysis: Synthesis of Butyl Benzoate
July 26	Exp. 18: Aldol-Dehydration Chemistry Using Unknown Aldehydes and Ketones

July 30	Exp. 18: continued: Preparation and Characterization of Solid Derivatives