

CHL 201- Laboratory for Organic Chemistry I Summer Session I, 2019

Instructor: William A. Price, Ph.D.

Location: Holroyd Hall 305

Texts: Custom Lab Manual by Mohrig, Hammond, Schatz, and Morrill
From *Modern Projects and Experiments in Organic Chemistry*

<u>Date</u>	<u>Experiment</u>
May 20	Introduction, Check-in, Safety
May 22	EXP 1 , Analgesics and Synthesis of Aspirin
May 23	EXP 2 , Extraction and Evaporation: Separation of the Components of "Panacetin".
May 29	EXP 2 , Identification of Unknown Component and Recrystallization
May 30	EXP 3 , Hydrolysis of an Unknown Ester: Hydrolysis and Azeotropic Distillation
June 3	EXP 3 , Extraction and Recrystallization
June 5	EXP 3 , Distillation, Boiling Points, Melting Points, Identification
June 6	EXP 4 , Isolation of (R)-(+)-Limonene from Orange Peels
June 10	EXP 4 , continued.
June 12	EXP 5 , Radical Chlorination Reactions
June 13	EXP 6 , Nucleophilic Substitution Reactions
June 17	EXP 7 , Acid-Catalyzed Dehydration of 3-Methylcyclohexanol
June 19	EXP 8 , Free-Radical vs. Ionic Addition of HBr to Alkenes