Agenda 6, 10/29 to 11/7/19

Week 11

Tue (10/29)	Lecture	Chapter 18 – Aromatic Substitution Reactions
	Reading	Klein: Sections 18.1-18.4
	Concepts	Electrophilic Aromatic Substitution, halogenation, sulfonation, nitration
	Homework	Klein: 18.38, 18.39, 18.41, 18.43, 18.49, 18.50, 18.54, 18.55, 18.67, 18.70, 18.73 *Aromatic Substitution Worksheet* (handout) *Aromatic Synthesis Worksheet* (handout)
	Lab	Vacuum distillation and purification of methyl salicylate. (handout)
Thu (10/31)	Lecture	Chapter 18 – Aromatic Substitution Reactions Chapter 19 – Aldehydes and Ketones
	Concepts	Substituent and directing effects, NMR of aromatic compounds Naming, preparation of aldehydes and ketones
	Reading	Klein: Sections 18.5-18.13, 19.1-19.6
	Homework	*Carbon NMR Assignments for chloronitrobenzenes* (handout)
	Lab	Analysis of methyl salicylate, NMR exercises (handouts)
	Due	***Chapter 17 homework***

Week 12

Tue (11/5)	Lecture	Chapter 19 – Aldehydes and Ketones
	Concepts	Hydrates, acetals, imine derivatives, nucleophilic additions II, Baeyer-Villager oxidation
	Reading	Klein: Sections 19.7-19.10
	Homework	Klein: 19.43, 19.44, 19.49, 19.50, 19.59, 19.60, 19.61, 19,63, 19.64, 19.72 *Acetal Examples Worksheet* (handout) *Acetal Mechanism Worksheet* (handout)
	Lab	The Diels-Alder Reaction. (Exp 47, **Full Report for Molecular Modeling + Exp 47)**
	Due	***Chapter 18 homework*** ***Carbon NMR Assignments for chloronitrobenzenes,*** ***Aromatic Substitution Worksheet,*** ***Aromatic Synthesis Worksheet***
Thu (11/7)	Lecture	Chapter 20 – Carboxylic Acids and Derivatives
	Reading	Klein: Sections 20.1-20.4
	Concepts	Naming, properties and synthesis of carboxylic acids
	Homework	Klein: 20.35, 20.37, 20.44, 20.45, 20.46, 20.48, 20.53, 20.57, 20.77, 20.90 *Carboxylic Acid Worksheet* (handout) *Carboxylic Acid Derivatives Worksheet*
	Lab	Friedel-Crafts Acylation. Acetylation of Ferrocene. (handouts)
	Due	***Methyl Salicylate lab***