

California State Polytechnic University, Pomona
Organic Synthesis, CHM 4220L (Spring 2020)
Tentative Laboratory Schedule

1	Friday, 1/24 Check-in, safety, notebook, reagent table, Review IR, NMR spectroscopy	Relevant Reading, Harwood & Moody Ch 1, Safety Ch 2, Glassware
2	1/31 Epichlorohydrin Ether Synthesis	see handout for procedure flash column chromatography, TLC rotary evaporator
3	2/7 Acetal Formation	H&M Experiment 5 Dean-Stark trap vacuum distillation
4	2/14 Grignard Reaction	H&M Experiment 40, part 1 reflux apparatus, addition funnel
5	2/21 Hydrolysis of Grignard	H&M Experiment 40, part 2 reflux apparatus
6	2/28 Bromination & Wittig	H&M Experiment 19, part 1 H&M Experiment 59, part 1 H&M Experiment 59, part 2
7	3/6 Bromination & Wittig cont'd	H&M Experiment 19, part 1 H&M Experiment 59, part 1 H&M Experiment 59, part 2
8	3/13 Lab Canceled – COVID-19	
9	3/20 Lab Canceled – COVID-19	
10	3/27 Lab Canceled – COVID-19	
11	4/10 Eugenol Isolation from Cloves	Prepare notebook (H&M procedure & handouts), watch video synchronously (Zoom), record observations, answer qns.
12	4/17 Synthesis & Use of Luminol	Prepare notebook (KLW procedure), watch videos, record observations, answer qns.
13	4/24 Aza Diels-Alder Reaction	Dry lab, lit. procedure & spectral data provided. Students prepare notebooks.
14	5/1 Synthesis of Nylon-6,6	Videos to watch, questions to answer
15	5/8 Interviews Check-out	get that resume ready!