

**SPRING 2018 SEMESTER
Chem 228 (2229) Laboratory Assignments**

Week No.	Experiment	MTOL (pgs)	Solomons 10th ed (pgs)	<u>Pre-Lab Due</u>	<u>Paper Due</u>	<u>Lab Writeup Due</u>
1/15	Intro/Check-in	Chapts 1-3	---	---	---	---
1/22	NaBH ₄ reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	553-555	NaBH ₄ reduction	Safety Contract (page 9)	---
1/29	Oxidation	110-116	557-560	Oxidation	---	NaBH ₄ reduction
2/5	Grignard	25-27	563-573	Grignard	---	Oxidation
2/12	continue	110-116 , 125-128	---	---	---	---
2/19	Aldol	110-116	876-889	Aldol	---	Grignard
2/26	IR/NMR review Checkin for pt. 2	146-178, 179-217	83-91, 385-421	---	---	Aldol
3/5	Synthesis Project	Mid-Term Exam*	---	---	---	---
3/6	Common Mid-Term Exam, Tuesday, March 6, 7:00-9:00 pm, G-3 Schrenk					
3/12	No Lab	St. Pats	---	---	---	---
3/19	Synthesis Project	---	---	Abstract	---	IR/NMR hwk
3/26	No Lab	Spring Break	---	---	---	---
4/2	Synthesis Project	---	---	---	---	Abstract
4/9	Synthesis Project	---	---	prelab pt. 1	---	project step 1
4/16	Synthesis Project	---	---	prelab pt. 2	---	project step 2
4/23	Synthesis Project	---	---	prelab pt. 3	---	project step 3
4/30	Lab Check-out	Final Exam*	---	---	Synthesis Project	Synthesis Project
5/1	Common Final Exam, Tuesday, May 1, 7:00-9:00 pm, G-3 Schrenk Hall					

Failure to check out will result in a \$25.00 charge. You must check out even if you drop the course.