

**SPRING 2020 SEMESTER
2229 Laboratory Assignments**

Week	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	<u>Pre-Lab Due</u>	<u>Paper Due</u>	<u>Lab Writeup Due</u>
1/21	Intro/Check-in	Chapts 1-3	---	---	---	---
1/27	NaBH ₄ reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	537-540	NaBH ₄ reduction	Safety Contract (page 9)	---
2/3	Oxidation	110-116	544-546	Oxidation	---	NaBH ₄ reduction
2/10	Grignard	25-27	548-559	Grignard	---	Oxidation
2/17	continue	110-116 , 125-128	---	---	---	---
2/24	Aldol	110-116	856-860	Aldol	---	Grignard
3/1	IR/NMR review Checkin for pt. 2	146-178, 179-217 CLC assignment	86-97, 391-414	---	---	Aldol
3/9	Mid-Term Exam*	---	---	---	---	---
Common Mid-Term Exam, Tuesday, March 8, 7:00-9:00 pm, B10 ChE						
3/12	St. Pat's	No lab	---	---	---	---
3/16	Synthesis Project	---	---	---	---	CLC assignment
3/23	Spring Break	No lab	---	---	---	---
3/30	Synthesis Project	---	---	---	---	IR/NMR
4/6	Synthesis Project	---	---	prelab pt. 1	---	---
4/13	Synthesis Project	---	---	---	---	project pt. 1
4/20	Synthesis Project	---	---	prelab pt. 2	---	project pt. 2
4/27	Synthesis Project	---	---	prelab pt.3	---	project pt. 3
12/3	Final Exam*	Lab Check-out	---	project IR/NMR's	---	Synthesis Project

Common Final Exam, Tuesday, May 5, 7:00-9:00 pm, B10 ChE

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

