

**FALL 2015 SEMESTER
228 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	Intro/Check-in	Chapts 1-3	---	---	---	---
2	NaBH ₄ reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	553-555	NaBH ₄ reduction	Safety Contract (page 9)	---
3	Oxidation	110-116	557-560	Oxidation	---	NaBH ₄ reduction
4	Grignard	25-27	563-573	Grignard	---	Oxidation
5	continue	110-116, 125-128		---	---	---
6	Aldol	110-116	876-889	Aldol	Paper #1	Grignard
7	IR/NMR review Checkin for pt. 2	146-178, 179-217	83-91, 385-421	---	---	Aldol
8	Mid-Term Exam*	CLC assignment		---	---	---
Mid-Term Exam, Wednesday, Oct. 14, 7:00-9:00 pm, G3 Schrenk Hall						
9	Synthesis Project	---	---	---	Paper #2	---
10	Synthesis Project	---	---	---	---	IR/NMR
11	Synthesis Project	---	---	prelab pt. 1	---	CLC assignment
12	Synthesis Project	---	---	prelab pt. 2	---	project pt. 1
13	Synthesis Project	---	---	prelab pt. 3	---	project pt. 2
14	Synthesis Project	---	---	project IR/NMR's	---	---
15	<i>Thanksgiving</i>	no lab	---	---	---	project pt. 3
16	Final Exam*	Lab Check-out	---	---	Synthesis Project	Synthesis Project

Common Final Exam, Wednesday, Dec. 9, 7:00-9:00 pm, G3 Schrenk Hall

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