

**FALL 2017 SEMESTER
228 Laboratory Assignments**

Week No.	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	<u>Pre-Lab Due</u>	<u>Paper Due</u>	<u>Lab Writeup Due</u>
8/21	Intro/Check-in	Chapts 1-3	---	---	---	---
8/28	NaBH ₄ reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	537-540	NaBH ₄ reduction	Safety Contract (page 9)	---
9/4	Oxidation	110-116	544-546	Oxidation	---	NaBH ₄ reduction
9/11	Grignard	25-27	548-559	Grignard	---	Oxidation
9/18	continue	110-116 , 125-128		---	---	---
9/25	Aldol	110-116	856-860	Aldol	---	Grignard
10/2	IR/NMR review Checkin for pt. 2	146-178, 179-217	86-97, 391-414	---	---	Aldol
10/9	Mid-Term Exam*	CLC assignment		---	---	---
Common Mid-Term Exam, Wednesday, Oct. 11, 7:00-9:00 pm, G3 Schrenk Hall						
10/16	Synthesis Project	---	---	---	---	---
10/23	Synthesis Project	---	---	---	---	IR/NMR
10/30	Synthesis Project	---	---	prelab pt. 1	---	CLC assignment
11/6	Synthesis Project	---	---	---	---	project pt. 1
11/13	Synthesis Project	---	---	prelab pt. 2	---	---
11/20	<i>Thanksgiving</i>	no lab	---	---	---	project pt. 2
11/27	Synthesis Project	---	---	prelab pt.3	---	project pt. 3
12/4	Final Exam*	Lab Check-out	---	project IR/NMR's	Synthesis Project	Synthesis Project

Common Final Exam, Thursday, Dec. 6, 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.