

**FALL 2018 SEMESTER
228 Laboratory Assignments**

Week	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	<u>Pre-Lab Due</u>	<u>Paper Due</u>	<u>Lab Writeup Due</u>
8/20	Intro/Check-in	Chapts 1-3	---	---	---	---
8/27	NaBH ₄ reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	537-540	NaBH ₄ reduction	Safety Contract (page 9)	---
9/3	Oxidation	110-116	544-546	Oxidation	---	NaBH ₄ reduction
9/10	Grignard	25-27	548-559	Grignard	---	Oxidation
9/17	continue	110-116, 125-128		---	---	---
9/24	Aldol	110-116	856-860	Aldol	---	Grignard
10/1	IR/NMR review Checkin for pt. 2	146-178, 179-217	86-97, 391-414	---	---	Aldol
10/8	Mid-Term Exam*	CLC assignment		---	---	---
Common Mid-Term Exam, Tuesday, Oct. 9, 7:00-9:00 pm, 125 BCH						
10/15	Synthesis Project	---	---	---	---	---
10/22	Synthesis Project	---	---	---	---	IR/NMR
10/29	Synthesis Project	---	---	prelab pt. 1	---	CLC assignment
11/5	Synthesis Project	---	---	---	---	project pt. 1
11/12	Synthesis Project	---	---	prelab pt. 2	---	---
11/19	<i>Thanksgiving</i>	no lab	---	---	---	project pt. 2
11/26	Synthesis Project	---	---	prelab pt.3	---	project pt. 3
12/3	Final Exam*	Lab Check-out	---	project IR/NMR's	Synthesis Project	Synthesis Project

Common Final Exam, Wednesday, Dec. 5, 7:00-9:00 pm, 125 BCH

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