

**FALL 2021 SEMESTER
Chem 2229 Laboratory Assignments**

Week	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	<u>Pre-Lab Due</u> (on Canvas)	<u>Lab Writeup Due</u> (on Canvas)
8/23	Intro/Check-in	Chapts 1-3	---	Safety	---
8/30	Oxidation of 9-Fluorenl	110-116	544-546	Oxidation	---
9/6	Grignard Reaction	25-27	548-559	Grignard	Oxidation
9/13	continue Grignard	110-116 , 125-128	---	---	---
9/20	Diels-Alder	25-27	599-606	Diels-Alder	Grignard
9/28	Fall Break -	No Lab	---	---	---
10/4	Aldol	110-116	856-860	Aldol	Diels-Alder
10/11	IR/NMR review	146-178, 179-217	86-97, 391-414	---	---
10/12	Mid-Term Exam*	---	---	---	---
Common Mid-Term Exam, Tuesday, Oct. 12, 7:00-9:00 pm, online on Canvas					
10/18	Synthesis Project	---	---	prelab pt. 1	Aldol /CLC assignment
10/25	Synthesis Project	---	---	---	---
11/1	Synthesis Project	---	---	prelab pt. 2	project pt. 1
11/8	Synthesis Project	---	---	---	IR/NMR review hwk
11/15	Synthesis Project	---	---	prelab pt.3	project pt. 2
11/22	Thanksgiving Break	No Lab	---	---	---
11/29	Synthesis Project	---	---	---	---
12/7	Final Exam*	Lab Check-out	---	---	project pt. 3

Common Final Exam, Tuesday, Dec. 7, 7:00-9:00 pm, online on Canvas

***Solomons (12th ed)** -find the topic in your organic class text.

***MTOL**=Microscale Techniques in the Organic Laboratory (book)

***OCLT**=Organic Chemistry Laboratory Techniques (pdf online book)

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