

**FALL 2022 SEMESTER
Chem 2229 Laboratory Assignments**

Week	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	Pre-Lab Due (on Canvas)	Lab Writeup Due (on Canvas)
8/25	Intro/Check-in	Chapts 1-3	---	Safety	---
9/1	Oxidation of 9-Fluorenol	110-116	544-546	Oxidation	---
9/8	Grignard Reaction	25-27	548-559	Grignard	Oxidation
9/15	continue Grignard	110-116, 125-128	---	---	---
9/22	Diels-Alder	25-27	599-606	Diels-Alder	Grignard
9/29	Aldol	110-116	856-860	Aldol	Diels-Alder
10/6	<i>Fall Break -</i>	<i>No Lab</i>	---	---	---
10/11	Mid-Term Exam*	---	---	---	---
10/13	IR/NMR review	146-178, 179-217	86-97, 391-414	---	---

Common Mid-Term Exam, Tuesday, Oct. 11, 7:00-9:00 pm, online on Canvas

10/20	Synthesis Project	---	---	prelab pt. 1	Aldol /CLC assignment
10/27	Synthesis Project	---	---	---	---
11/3	Synthesis Project	---	---	prelab pt. 2	project pt. 1
11/10	Synthesis Project	---	---	---	IR/NMR review hwk
11/17	Synthesis Project	---	---	prelab pt.3	project pt. 2
11/24	<i>Thanksgiving Break</i>	<i>No Lab</i>	---	---	---
12/1	Synthesis Project	---	---	---	---
12/8	Lab Check-out / Final Exam*	---	---	---	project pt. 3

Common Final Exam, Tuesday, Dec. 6, 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.