

**SPRING 2023 SEMESTER  
Chem 2229 Laboratory Assignments**

Week	Experiment	MTOL (pgs)	Solomons 12th ed (pgs)	Pre-Lab Due (on Canvas)	Lab Writeup Due (on Canvas)
1/16	Intro/Check-in	Chapts 1-3	---	Safety	---
1/23	Oxidation of 9-Fluorenone	110-116	544-546	Oxidation	---
1/30	Grignard Reaction	25-27	548-559	Grignard	Oxidation
2/6	continue Grignard	110-116 , 125-128	---	---	---
2/13	Diels-Alder	25-27	599-606	Diels-Alder	Grignard
2/20	Aldol	110-116	856-860	Aldol	Diels-Alder
2/27	IR/NMR review	146-178, 179-217	86-97, 391-414	---	---
3/7	<b>Mid-Term Exam*</b>	---	---	---	---

**Common Mid-Term Exam, Tuesday, March 7, 7:00-9:00 pm, online on Canvas**

3/6	Synthesis Project	---	---	prelab pt. 1	Aldol /CLC assignment
3/13	<i>-St. Pat's -</i>	<i>No Lab</i>	---	---	---
3/20	Synthesis Project	---	---	---	---
3/27	<i>Spring Break</i>	<i>No Lab</i>	---	---	---
4/3	Synthesis Project	---	---	prelab pt. 2	project pt. 1
4/10	Synthesis Project	---	---	---	IR/NMR review hwk
4/17	Synthesis Project	---	---	prelab pt.3	project pt. 2
4/24	Synthesis Project	---	---	---	---
5/2	<b>Final Exam*</b>	Lab Check-out	---	---	project pt. 3

**Common Final Exam, Tuesday, May 2, 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.