

**FALL 2023 SEMESTER  
Chem 2229 Laboratory Assignments**

<b>Week</b>	<b>Experiment</b>	<b>MTOL (pgs)</b>	<b>Solomons 12th ed (pgs)</b>	<b><u>Pre-Lab Due</u> (on Canvas)</b>	<b><u>Lab Writeup Due</u> (on Canvas)</b>
8/24	Intro/Check-in	Chapts 1-3	---	Safety	---
8/31	Oxidation of 9-Fluorenl	110-116	544-546	Oxidation	---
9/7	Grignard Reaction	25-27	548-559	Grignard	Oxidation
9/14	continue Grignard	110-116 , 125-128	---	---	---
9/21	Diels-Alder	25-27	599-606	Diels-Alder	Grignard
9/28	Aldol	110-116	856-860	Aldol	Diels-Alder
10/5	<i>Fall Break -</i>	<i>No Lab</i>	---	---	---
10/10	<b>Mid-Term Exam*</b>	---	---	---	---
<b>Common Mid-Term Exam, Tuesday, Oct. 10, 7:00-9:00 pm, online on Canvas</b>					
10/12	IR/NMR review	146-178, 179-217	86-97, 391-414	---	---
10/19	Synthesis Project	---	---	prelab pt. 1	Aldol /CLC assignment
10/26	Synthesis Project	---	---	---	---
11/2	Synthesis Project	---	---	prelab pt. 2	project pt. 1
11/9	Synthesis Project	---	---	---	IR/NMR review hwk
11/16	Synthesis Project	---	---	prelab pt.3	project pt. 2
11/23	<i>Thanksgiving Break</i>	<i>No Lab</i>	---	---	---
11/30	Synthesis Project	---	---	---	---
12/7	Lab Check-out / <b>Final Exam*</b>	---	---	---	project pt. 3

**Common Final Exam, Tuesday, Dec. 5, 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.