

**SPRING 2019 SEMESTER**  
**Chem 2229 (228) Laboratory Assignments**

<b>Week No.</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>Paper Due</u></b>	<b><u>Lab Writeup Due</u></b>
1/21	Intro/Check-in	Chapts 1-3	---	---	---	---
1/28	NaBH <sub>4</sub> reduction of 9-Fluorenone	52-55, 90-110 110-116, 125-128	538-540	NaBH <sub>4</sub> +Grammar 1	Safety Contract (from syllabus)	---
2/4	Oxidation	110-116	544-546	Oxidation +Grammar 2	NaBH <sub>4</sub> abstract	NaBH <sub>4</sub> reduction
2/11	Grignard	25-27	548-556	Grignard +Grammar 3	Oxidation abstract	Oxidation
2/18	continue	110-116 , 125-128		Grammar 4	---	---
2/25	Aldol	110-116	856-866	Aldol +Grammar 5	Grignard abstract	Grignard
3/4	IR/NMR review Checkin for pt. 2	146-178, 179-217	86-97, 391-414	---	Aldol abstract	Aldol
3/12	<b>Common Mid-Term Exam, Tuesday, March 12, 7:00-9:00 pm, G-31 EE</b>					
3/11	<b>No Lab</b>	<i>St. Pats</i>	---	---	---	---
3/18	Synthesis Project	---	---	TBA	---	IR/NMR hwk
3/25	<b>No Lab</b>	<i>Spring Break</i>	---	---	---	---
4/1	Synthesis Project	---	---	TBA	---	TBA
4/8	Synthesis Project	---	---	TBA	---	TBA
4/15	Synthesis Project	---	---	TBA	---	TBA
4/22	Synthesis Project	---	---	TBA	---	TBA
4/29	Synthesis Project	---	---	---	---	TBA
5/6	Lab Check-out	<b>Final Exam*</b>	---	---	Synthesis Project	Synthesis Project
5/7	<b>Common Final Exam, Tuesday, May 7, 7:00-9:00 pm, G-31 EE</b>					

Failure to check out will result in a \$25.00 charge. You must check out even if you drop the course.  
**MTOL**="Microscale Techniques in the Organic Laboratory" text