

Chemistry 0755**Spring Term 2019 (2194)**

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Text: *A Short Guide To Writing About Chemistry, 2nd Edition*, by H. Beall and J. Trimbur

Text

January 8 *Rec:* Introduction to the Course: How to Write a Proposal, Safety Rules, SDS Chapters 6 & 7

Lab: Check-in

January 15 *Rec:* How to Approach the Reading of a Journal Article Chapter 5

Lab: Extraction Methods and A Tour of the Chemistry Library

January 22 *Rec:* An Introduction to Research Methods and Thin Layer Chromatography

Lab: An Introduction to Separation Science

January 29 **RESEARCH PROPOSAL DUE**

Rec: The Grignard Reaction

Lab: Synthesis of Triphenylmethanol

February 05 *Rec:* Introduction to the Proposed Projects and How to Keep a Lab Notebook

Lab: Preparation of Reagents for Proposed Projects and Completion of the Grignard Experiment

February 12 *Rec:* A Review of Spectroscopic Methods

Lab: Begin Project Work

February 19 *Rec:* Reading a Journal Article

Quiz I
Spectroscopy

February 26 *Rec:* How to Write a Progress Report

March 05 **SPRING BREAK**

March 12 *Rec:* Introductory Molecular Modeling

Lab: Introduction to Molecular Modeling and Computer Graphics

March 19 **PROGRESS REPORTS DUE**

Rec: Update on Projects Progress

Quiz II
Journal Article

March 26	<i>Rec:</i> Mechanistic Organic Chemistry: A Modeling Approach	Quiz III
		Computer Assignment
April 02	<i>Rec:</i> Oral Presentations	
April 09	<i>Rec:</i> Oral Presentations	
April 16	<i>Rec:</i> Oral Presentations	
	<i>Lab:</i> Check out	
April 26	FINAL REPORTS DUE	

GRADING SCHEME

Your grade will be based on your laboratory performance, as well as written and oral work over the term using the following breakdown.

1.	Proposal	15%
2.	Progress Report	15%
3.	Final Report	30%
4.	Oral Presentations	10%
5.	Technique	10%
6.	Personal Evaluation	5%
7.	Quizzes (3)	15%
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		100%

ACADEMIC INTEGRITY

We will all be expected to follow the Academic Integrity Guidelines of the University of Pittsburgh. A copy of these Guidelines is available at the A&S Dean's Office or the A&S website.

DISABILITIES STATEMENT

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Disability Resources and Services, 216 William Pitt Union (412-624-7890) as early as possible in the term.