

Chemistry 0345: Organic Chemistry Laboratory

Course Schedule Fall 2017 (Term 2181)

Faculty Coordinator: Ericka Huston, 107 Chevron, ceder@pitt.edu, 412-624-7158

Faculty Coordinator: Peter Bell, 107 Chevron, pab17@pitt.edu, 412-624-8963

Weekly Laboratory Activities: Available on the Chem 0345 CourseWeb. These will need to be printed and/or written into your lab notebook before each laboratory meeting.

Goggles: Available in bookstore. These goggles meet our strict safety standards for the teaching laboratories.

Making the Connections, 3rd edition, *Anne B. Padias*

Carbonless Copy Student Notebook: Top-perforated

Laboratory Activity #	Laboratory Activity Title
1	Introduction to Organic Chemistry Laboratory and Laboratory Safety Introduction to Infrared Spectroscopy
2	Extraction and Recrystallization of Benzoic Acid
3	Analysis of Medicinally-Active Organic Compounds in Over-the-Counter Pain Relievers: An Introduction to Chromatography
4	Introduction to ¹ H NMR Spectroscopy
5	Dehydration of Cyclohexanol
6	Alkene Addition Reactions: Selective Markovnikov Hydrohalogenation of Carvone
7	Unimolecular Substitution (S _N 1) Reactions: Competing S _N 1 and E1 Reactions
8	Electrophilic Aromatic Substitution Reactions: Bromination of Aniline and N-Acetylaniline
9	Organometallic Reagents in Organic Chemistry
10	Aldol Addition and Aldol Condensation Reactions: Crossed Aldol Reaction of 2-Acetylpyridine and 4-Nitrobenzaldehyde
11	Forensic Chemistry: Synthesis and Photophysical Properties of Luminol
12	Polymer Chemistry: Synthesis of Nylon 610
13	Check-Out and Final Exam

See reverse side for date schedules

Chem 0345 Class Meeting Times

<i>Section</i>	Lab Lecture		Laboratory Activity	
	<i>Time</i>	<i>Lecture Room</i>	<i>Time</i>	<i>Lab classroom*</i>
A	Monday 9 – 9:50 a.m.	206 Eberly	Tuesday 1 – 4:50 p.m.	135 Chevron
B	Monday 5 – 5:50 p.m.	206 Eberly	Tuesday 6 – 9:50 p.m.	206 Eberly
C	Monday 10 – 10:50 a.m.	206 Eberly	Wednesday 8 – 11:50 a.m.	206 Eberly
D	Monday 1 – 1:50 p.m.	135 Chevron	Wednesday 1 – 4:50 p.m.	135 Chevron
E	Monday 6 – 6:50 p.m.	206 Eberly	Wednesday 6 – 9:50 p.m.	206 Eberly
F	Tuesday 10 – 10:50 a.m.	206 Eberly	Thursday 8 – 11:50 a.m.	135 Chevron
G	Wednesday 5 – 5:50 p.m.	206 Eberly	Thursday 6 – 9:50 p.m.	206 Eberly
H	Monday 2 – 2:50 p.m.	206 Eberly	Friday 1 – 4:50 p.m.	135 Chevron

* Some Laboratory Activities will be held in the listed classroom. All experiments will be held in labs on the 4th floor of Chevron Science Center.

Lab Lecture Schedule	
Mondays, Tuesdays & Wednesdays	
<i>Dates</i>	<i>Lecture Topic</i>
Aug 28 – Aug 30	1 & 2*
Sept 4 – Sept 6	<i>Labor Day</i> †
Sept 11 – Sept 13	3
Sept 18 – Sept 20	4
Sept 25 – Sept 27	5
Oct 2 – Oct 4	6
Oct 9 – Oct 11	<i>Fall Break</i> †
Oct 16 – Oct 18	7
Oct 23 – Oct 25	8
Oct 30 – Nov 1	9
Nov 6 – Nov 8	10
Nov 13 – Nov 15	11
Nov 20 – Nov 22	<i>Thanksgiving</i> †
Nov 27 – Nov 29	12
Dec 4 – Dec 6	13

Lab Activity Schedule	
Tuesdays to Fridays	
<i>Dates</i>	<i>Lab Activity</i>
Aug 29 – Sept 1	1
Sept 5 – Sept 8	2
Sept 12 – Sept 15	3
Sept 19 – Sept 22	4
Sept 26 – Sept 29	5
Oct 3 – Oct 6	6
Oct 10 – Oct 13	<i>Fall Break</i> †
Oct 17 – Oct 20	7
Oct 24 – Oct 27	8
Oct 31 – Nov 3	9
Nov 7 – Nov 10	10
Nov 14 – Nov 17	11
Nov 21 – Nov 24	<i>Thanksgiving</i> †
Nov 28 – Dec 1	12
Dec 5 – Dec 8	13

* The second lab lecture will be held during part of the Activity 1 lab period.

† The portion of the class (Lecture or Activity) with this mark will have no meetings for the given dates.