

CH 201L: Organic Chemistry I Laboratory Fall 2022

URL <http://www.southalabama.edu/colleges/artsandsci/chemistry/laboratories.html>

Session	Date	Exp. #	Topic	Deliverable
1	Aug 22 - 26		Check-in/Orientation/Safety*	
2	Aug 29 - Sep 2	Online	Determination of Melting Points	MP
	Sep 5		Labor Day - No Labs	
3	Sep 6 - 12	3A & B	Recrystallization: Purification of Sulfanilamide	MP
4	Sep 13 - 19	6D, then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
5	Sep 20 - 26	Online	Part 1: Extraction of a Three Component Mixture	MP
6	Sep 27 - Oct 3	Online	Part 2: Extraction of a Three Component Mixture	MP
	Oct 4 - 7		Fall Break - No Labs	
7	Oct 10 - 14	13A	Isolation of Caffeine from Tea (PAIRS)	MP/IR
8	Oct 17 - 21	7B & Online	Simple Distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
9	Oct 24 - 28	23D	Synthesis of t-Pentyl Chloride	IR/NMR
	Oct 28		Last Day to Drop (4:59 PM)	
10	Oct 31 - Nov 4	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Nov 7 - 11	21	Reactivities of Some Alkyl Halides: Part 1 (Note: For prelab, use NaI as reagent (S _N 2))	
12	Nov 14 - 18	21	Reactivities of Some Alkyl Halides: Part 2 (Note: For prelab, use AgNO ₃ as reagent (S _N 1)) AND **Check-out of Laboratory	
	Nov 21 - 25		No Labs	
13	Nov 28 - Dec 2		PRACTICUM	

****RETURN YOUR CHECK-OUT SHEET TO THE STOCKROOM AND GET YOUR LAB RECORD CLEARED OR YOU WILL BE CHARGED A \$50.00 PENALTY FEE.**

NOTES: * 1. YOU MUST ATTEND THE SCHEDULED SAFETY ORIENTATION SESSION TO BE ALLOWED TO WORK IN THE LABORATORY.

2. ALL monetary charges accrued through the Stockroom will be charged to your PAWS account.

**** 3. Check-out is to be completed by the start of the last session that YOUR lab section meets, PRIOR to the Practicum.**

4. Return Check-out Sheet to the stockroom to complete check-out.

7.6.2022 Clements