

CH 201L: Organic Chemistry I Laboratory Fall 2024

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

Session	Date	Exp. #	Topic	Deliverable
1	Aug 26 – 30		Check-in/Orientation/Safety*	
	Sept 2		Labor Day – No Labs	
2	Sept 3 – 9	Online	Determination of Melting Points	MP
3	Sept 10 – 16	3A & B	Recrystallization: Purification of Sulfanilamide	MP
4	Sept 17 – 23	6D, then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
5	Sept 24 – 30	Online	Part 1: Extraction of a Three Component Mixture	MP
6	Oct 1 – 7	Online	Part 2: Extraction of a Three Component Mixture	MP
	Oct 8 – 11		Fall Break – No Labs	
7	Oct 14 – 18	13A	Isolation of Caffeine from Tea (PAIRS)	MP/IR
8	Oct 21 – 25	7B & Online	Simple Distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
9	Oct 28 – Nov 1	23D	Synthesis of t-Pentyl Chloride	IR/NMR
	Nov 1		Last Day to Drop	
10	Nov 4 – 8	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Nov 11 – 15	21	Reactivities of Some Alkyl Halides: Part 1 (Note: For prelab, use NaI as reagent (S _N 2))	
12	Nov 18 – 22	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 25 – 29		Thanksgivings Break – No Labs	
13	Dec 2 – 6		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.

6.26.2024 Clements