

CH 201L: Organic Chemistry I Laboratory Fall 2025

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

Session	Date	Exp. #	Topic	Deliverable
1	Aug 25 - 29		Check-in/Orientation/Safety*	
2	Sept 1		Labor Day - No Labs	
3	Sept 2 - 8	Online	Determination of Melting Points	MP
4	Sept 9 - 15	3A & B	Recrystallization: Purification of Sulfanilamide	MP
5	Sept 16 - 22	6D, then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
6	Sept 23 - 29	Online	Part 1: Extraction of a Three Component Mixture	MP
	Sept 30 - Oct 6	Online	Part 2: Extraction of a Three Component Mixture	MP
	Oct 7 - 10		Fall Break – No Labs	
7	Oct 13 - 17	13A	Isolation of Caffeine from Tea (PAIRS)	MP/IR
8	Oct 20 - 24	7B & Online	Simple Distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
9	Oct 27 - 31	23D	Synthesis of t-Pentyl Chloride	IR/NMR
10	Nov 3 - 7	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Nov 10 - 14	21	Reactivities of Some Alkyl Halides: Part 1 (Note: For prelab, use NaI as reagent (S _N 2))	
12	Nov 17 - 21	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 24 - 28		Thanksgiving Break - No Labs	
13	Dec 1 - 5		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.**
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- 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.**

5.6.2025 Clements