

CH 201L: Organic Chemistry I Laboratory Spring 2026

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

Session	Date	Exp. #	Topic	Deliverable
1	Jan 20 – 23		Check-in/Orientation/Safety*	
2	Jan 27 – 30	Online	Determination of melting points	MP
3	Feb 3 – 6	3A & B	Recrystallization: Purification of sulfanilamide	MP
4	Feb 10 – 13	6D then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
	Feb 16 – 20		Mardi Gras Break – No Labs	
5	Feb 24 – 27	Online	Part 1: Extraction of a three-component mixture	MP
6	Mar 3 – 6	Online	Part 2: Extraction of a three-component mixture	MP
	Mar 9 – 13		Spring Break – No Labs	
7	Mar 17 – 20	13A	Isolation of caffeine from tea (PAIRS)	MP/IR
8	Mar 24 – 27	7B & Online	Simple distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
9	Mar 31 – Apr 3	23D	Synthesis of t-pentyl chloride	IR/NMR
10	Apr 7 – 10	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Apr 14 – 17	21	Reactivities of some alkyl halides: Part 1 (Note: For prelab, use NaI as reagent (S_N2))	
12	Apr 21 – 24	21	Reactivities of some alkyl halides: Part 2 (Note: For prelab, use $AgNO_3$ as reagent (S_N1)) AND **Check-out of Laboratory	
13	Apr 28 – May 1		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: ***
- YOU MUST ATTEND THE SCHEDULED SAFETY ORIENTATION SESSION TO BE ALLOWED TO WORK IN THE LABORATORY.**
 - ALL monetary charges accrued through the Stockroom will be charged to your PAWS account.
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- Check-out is to be completed by the start of the last session that YOUR lab section meets, PRIOR to the Practicum.
 - Return Check-out Sheet to the stockroom to complete check-out.

8.27.2025 Clements