

CH 201L: Organic Chemistry I Laboratory Summer 2024

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

Session	Date	Exp. #	Topic	Deliverable
1	Jun 3 -4		Check-in/Orientation/Safety*	
2	Jun 5 - 6	Online	Determination of Melting Points	MP
3	Jun 10 - 11	3A & B	Recrystallization: Purification of Sulfanilamide	MP
4	Jun 12 - 13	6D, then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
5	Jun 17 - 18	Online	Part 1: Extraction of a Three Component Mixture	MP
	Jun 19 - 20		Juneteenth - No Labs	
6	Jun 24 - 25	Online	Part 2: Extraction of a Three Component Mixture	MP
7	Jun 26 - 27	13A	Isolation of Caffeine from Tea (PAIRS)	MP/IR
8	Jul 1 - 2	7B & Online	Simple Distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
	Jul 3 - 4		Independence Day - No Labs	
9	Jul 8 - 9	23D	Synthesis of t-Pentyl Chloride	IR/NMR
10	Jul 10 - 11	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Jul 15 - 16	21	Reactivities of Some Alkyl Halides: Part 1 (Note: For prelab, use NaI as reagent (S _N 2))	
12	Jul 17 - 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	
13	Jul 22 - 23		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.

3/27/2024 Clements