

CH 201L: Organic Chemistry I Laboratory Spring 2022

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

Session	Date	Exp. #	Topic	Deliverable
1	Jan 18 - 24		Check-in/Orientation/Safety*	
2	Jan 25 - 31	Online	Determination of Melting Points	MP
3	Feb 1 - 7	3A & B	Recrystallization: Purification of Sulfanilamide	MP
4	Feb 8 - 14	6D, then 6A	Chromatography: Fluorene/Fluorenone	MP/TLC
5	Feb 15 - 21	Online	Part 1: Extraction of a Three Component Mixture	MP
	Feb 22 - 25		No Labs	
	Feb 28 - Mar 4		No Labs (Spring Break and Mardi Gras)	
6	Mar 7 - 11	Online	Part 2: Extraction of a Three Component Mixture	MP
7	Mar 14 - 18	13A	Isolation of Caffeine from Tea (PAIRS)	MP/IR
8	Mar 21 - 25	7B & Online	Simple Distillation (PAIRS) (Note: For prelab, 2-methylpentane and heptane will be separated)	GC
9	Mar 28 - Apr 1	23D	Synthesis of t-Pentyl Chloride	IR/NMR
	Apr 1		Last Day to Drop	
10	Apr 4 - 8	24A	Synthesis of 4-methylcyclohexene	IR/NMR
11	Apr 11 - 15	21	Reactivities of Some Alkyl Halides: Part 1 (Note: For prelab, use NaI as reagent (S _N 2))	
12	Apr 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**	
13	Apr 25 - 29		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.