

CH 202L: Organic Chemistry I Laboratory Spring 2025

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

| Session | Date | Exp. # | Topic | Deliverable |
|---------|------------------|--------------|---|-------------|
| | Jan 20 | | MLK Day - No Labs | |
| 1 | Jan 27 - 31 | | Check-in/Orientation/Safety* | |
| 2 | Feb 3 - 7 | 25 & Online | Reduction of Methyl Oleate (Pairs) | IR |
| 3 | Feb 10 - 14 | 31B | Reduction of Camphor to Isoborneol | MP/IR/NMR |
| 4 | Feb 17 - 21 | 43 | Methyl Salicylate: Part 1 (Preparation) | IR |
| 5 | Feb 24 - 28 | 43 | Methyl Salicylate: Part 2 (Distillation) | IR |
| | Mar 3 - 7 | | Spring Break - No Labs | |
| 6 | Mar 10 - 14 | 40 | Relative Reactivities of Several Aromatic Compounds (Note: For prelab, use acetanilide as reactant.) | MP |
| 7 | Mar 17 - 21 | 41 & Online | Nitration of Methyl Benzoate | MP/IR/NMR |
| 8 | Mar 24 - 28 | 37 | Aldol Condensation Reaction (Note: For prelab, use 3-nitrobenzaldehyde as reactant.) | MP/IR |
| 9 | Mar 31 - Apr 4 | 47 | Diels-Alder Reaction AND Select Practicum Experiment | MP/IR/NMR |
| 10 | Apr 7 - 11 | 33A & Online | Preparation of Triphenylmethanol (Note: For prelab, the Grignard reagent (3.0M) will be provided) AND Submit First Typed Draft of Practicum Prelab | MP/IR |
| | Apr 11 | | Last Day to Drop | |
| 11 | Apr 14 - 18 | 32C | Preparation of Benzilic Acid | MP/IR |
| 12 | Apr 21 - 25 | 46 & Online | Preparation and Properties of Polymers AND Submit Final Typed Practicum Prelab AND **Check-out of Laboratory | IR |
| 13 | Apr 28 - May 2 | | 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.

8.26.2024 Clements