

## CH 265L LABORATORY SCHEDULE

Spring 2026

Wednesday 1:25-4:45 pm

| Date   | Activity                                                                                                                                | Glassware to Submit (Clean and Dry, Labelled with Drawer Number) |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Jan 21 | Lab orientation and check-in<br>Lab 0: Homework Assignment (Counts as a Lab Experiment)                                                 | Weigh bottle (Lab 2)                                             |
| Jan 28 | <b>Lab 1:</b> Glassware Calibration and Precision<br>Prep for Lab 2: Sulfate Determination (Steps 1-3)                                  |                                                                  |
| Feb 4  | <b>Lab 2:</b> Sulfate Determination (Steps 4-8)                                                                                         | Two weigh bottles (Lab 3)                                        |
| Feb 11 | Continue with Lab 2: Sulfate Determination (Steps 9 and 10)                                                                             |                                                                  |
| Feb 18 | Finish Lab 2: Sulfate Determination (Step 10)<br>Begin <b>Lab 3:</b> Acid/Base Titration (Parts A & B)                                  | Two weigh bottles (Lab 4)                                        |
| Feb 25 | Finish Lab 3: Acid/Base Titration (Parts C & D)                                                                                         | Weigh bottle (Lab 5)                                             |
| Mar 4  | <b>Lab 4:</b> Potentiometric Titration                                                                                                  |                                                                  |
| Mar 11 | No Lab—Spring Break                                                                                                                     |                                                                  |
| Mar 18 | Group A: <b>Lab 5:</b> Cu determination via Redox Titration (Parts A & B)<br>Group B: <b>Lab 6:</b> Mg determination via EDTA Titration | 250 mL volumetric flask (Lab 6)                                  |
| Mar 25 | Group B: Lab 5: Cu determination via Redox Titration (Parts A & B)<br>Group A: Lab 6: Mg determination via EDTA Titration               |                                                                  |
| Apr 1  | Lab 5: Cu determination via Redox Titration (Parts C, D, & E)                                                                           | Two weigh bottles (Lab 7)                                        |
| Apr 8  | Group A: <b>Lab 7:</b> Mn Determination via Visible Spectroscopy<br>Group B: <b>Lab 8:</b> Determination of 2-Propanol via GC           |                                                                  |
| Apr 15 | Group B: Lab 7: Mn Determination via Visible Spectroscopy<br>Group A: Lab 8: Determination of 2-Propanol via GC                         |                                                                  |
| Apr 22 | Lab Check-Out and Final                                                                                                                 |                                                                  |

REPORTS ARE DUE THE NEXT SCHEDULED MEETING AFTER COMPLETION OF EXPERIMENT

**Bold Text** indicates when a lab is starting, so a pre-lab is due.

**NOTE:** The instructor reserves the right to change the dates listed above to allow for unforeseen circumstances which might occur during the semester. Sufficient notification will be given.