

# CH142 Laboratory



## Lab Syllabus

[Error Analysis Handout](#)

[Error Analysis Example \(PDF, must be opened with Acrobat\)](#)

[Error Analysis Example \(WORD doc\)](#)

[Lab Safety Handout](#)

[Excel Primer](#)

[ACS Citation Guide](#)

## Schedule and Experiments for Download:

### February 6-10: Experiment 1 – Reaction Kinetics

- [Prelab Assignment](#)
- [Laboratory Handout](#)
- [Beer's Law primer](#)

### February 13-17: Experiment 1 -- Reaction Kinetics continued

- [Prelab Assignment](#)
- [Report Form for Experiment 1](#)

### February 20-24: Experiment 2 – Chemical Equilibrium

- [Prelab Assignment](#)
- [Laboratory Handout](#)

### February 27-March 3: Experiment 2 – Chemical Equilibrium continued

- [Prelab Assignment](#)
- [Report Form for Experiment 2](#)

### March 6-10: Experiment 3 – Acids, Bases, and Buffers

- [Prelab Assignment](#)
- [Laboratory Handout](#)
- [Short Buffers Primer](#)

### March 13-17: Experiment 3 – Acids, Bases, and Buffers continued

- [Prelab Assignment](#)

March 20-24: no lab (Spring Break)

### March 27-31: Experiment 3 – Acids, Bases, and Buffers continued

- [Prelab Assignment](#)
- [Report Form for Experiment 3](#)

### April 3-7: Experiment 4 – Qualitative Identification of Cations

- [Prelab Assignment](#)

- Laboratory Handout

April 10-14: Experiment 4 – Qualitative Identification of Cations continued

- Prelab Assignment
- *Note: there is no report form for Experiment 4 – report instructions are included in the Laboratory Handout*

April 17-21: Experiment 5 – Electrochemistry

- Prelab Assignment
- Laboratory Handout
- Report Form for Experiment 5

April 24-28: no lab (CLAS)

May 1-5: Reports for Experiment 5 and Laboratory Notebooks will be collected (no lab experiment)