Inorganic Chemistry Laboratory

Department of Chemistry and Biochemistry

CHEM 4165, Fall 2022

Class Overview

Experimental application of the principles of inorganic chemistry to complement course content provided in CHEM 4365.

Prelab Discussion:
Thursdays
1:30 pm – 2:20 pm
PSCI 314

Laboratory Class:
Thursdays
2:30 pm – 5:20 pm (tentative)
CCSB 3.0709

Course Drop Deadline:
October 28, 2022

Instructor:
Dr. Skye Fortier

Office:
CCSB 2.0404

Contact Information:
747-5195
asfortier@utep.edu

Teaching Assistant†:
Frank MacGregor

Office:
CCSB 2.0508

Contact Information:
747-8779
fmacgregor@miners.utep.edu

†Questions about the laboratory or its experiments should be directed to the course T.A.

Textbook:

None required. Important documents will be posted/provided on Blackboard as necessary. It is your obligation to regularly check Blackboard for announcements, postings, and other class content.

Course Requirements:

The following items are required for the course:
- Safety goggles – UTEP
- Laboratory coat
- Laboratory notebook
- Black Sharpie

Safety Notice:

In the laboratory, students are expected to strictly adhere to UTEP EH&S safety policies.
- No shorts, skirts, or open-toed shoes. Full length and closed-toe shoes only.*
- Safety glasses and laboratory coats are to be worn at all times.*
- No food or drink is allowed in the laboratory.
- All reactions and reagents must be clearly marked.

*Students in violation of these policies will be summarily dismissed from the laboratory and risk a failing grade for that day's laboratory exercise.

Course Drop Deadline:

The University permits any student to formally withdraw from a class before the drop deadline with a grade of "W." Thereafter, as per College of Science policy, students who withdraw from the course will receive a grade of "F."

Grading:

Laboratory Report	60%
Pre-laboratory Discussion	20%
Laboratory Performance	20%

Laboratory Reports:

Reports are due one week after the completion of the laboratory experiment – hard copy printout, stapled – at the beginning of the Prelaboratory discussion.

Reports must be presented in a formal scientific format to include:

- Abstract

  An abstract is a **brief and concise** summary of the experiment described in the report. It should include the general idea of the experiment, results obtained, and the conclusions drawn from those results.
- Introduction

  This section includes the background to the experiment. It must include the necessary theoretical framework required to understand the experimental work, and it must end with a clear statement of what will be investigated during the experimental practice.
- Experimental Details

  The exact experimental procedure followed during the practice. This section should be written in the "past tense", since this is a report of what was observed.
- Results and Discussion

  A clear description of the results and any observations recorded during the experiment. Discussion of these results and how do they fit into the whole theoretical background discussed in the Introduction part.

  This section will also include appropriate graphics, figures, and electronically generated schemes and equations.
- Conclusion

  This includes conclusions drawn from the experiment.
- References

  Provided in the American Chemical Society (ACS) formatting style.

Students will be grouped for the laboratory experiments but each student is individually responsible for turning in the laboratory report.

Reports will be broadly graded as follows:

- "A": Excellent
- "B": Satisfactory
- "C": Mediocre
- "D": Poor
- "F": Unacceptable

Reports will be accepted up to one day late with an automatic deduction of 20% on any late reports.

Class Attendance:

Mandatory. In the event that you are unable to attend, a valid and documented excuse must be provided (e.g. medical emergency, school field trip or conference attendance).

If you have an excusable absence, it is your responsibility to meet with your laboratory partner to obtain the necessary experimental data.

Special Accommodations:
If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass. *CASS' Staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.*

If you are designated special accommodations by CASS, it is your responsibility to coordinate these accommodations between CASS, the instructor, and the teaching assistant.