

Other Class Participation Activities:

Group activities

Student Responsibilities:

Students are responsible for all material covered in class lecture. If you miss class for any reason, you will need to find out what you missed (including any changes in reading assignments). Students are responsible for reading the assigned material in the text **before** coming to class. Students should keep all returned, graded assignments until after final course grades have been posted on UAonline.

Course Goals

Students should exit the course with the following skills:

Honor code and Academic integrity- Students are expected to conduct themselves in accordance with the UAF Honor code. The Chemistry Department policy states: Any student caught cheating will be assigned a course grade of F. The students academic advisor will be notified of this failing grade and the student will not be allowed to drop the course.

Disability Services- I will work with the Office of Disabilities Services (208 Whitaker Bldg, 474-5655) to provide with me to discuss appropriate accommodations. A letter from disabilities services must be provided.

Tentative Schedule

Unit1: Data Treatment (Chapter 0-5)
Error and error propagation
Statistical treatment of data
Calibration Techniques
Quality Control and Quality Assurance

Exam 1

Unit 2: Equilibrium (Chapter 6-11)
Solubility
Acid-Base
Chelation

Exam 2

Unit 3: Instrumentation (Chapter 13-20)
Electrochemistry
Spectrophotometry
Chromatography

Exam 3

Final Exam on Wednesday Dec 8th, 8-10am.

REVIEW SAFETY FEATURES IN THE LAB (REIC 245)

- Cubbies for bags and coats
- Location of personal protective equipment (PPE)
- Safety shower/eyewashes
- Fume hoods
- Exits out of room and out of building
- Waste bottles and broken glass container(s)
- Chemical/safety literature
 - hazard.com/msds is a good start

LABORATORY SAFETY RULES

- USE COMMON SENSE AT ALL TIMES!!!
- No horseplay in lab
- No unauthorized experimentation
- Wear safety glasses/goggles know when each is required
- Use of correct gloves (when appropriate)
- Knowledge of location and use of
- NO food, drink, or gum in lab
- Do not leave fires unattended
- Label all containers with contents, your name, your class, and date/semester
- Report any accident or spill or unsafe condition
- Observe proper storage of chemicals
- Properly disposing of laboratory waste
- Use caution around heat sources, cold sources, flame, electrical equipment
- Properly disposing of glass
- Safely handling chemicals
- No open-toed shoes, no shorts in lab
 - Recommend no skirts, hair tied back, no loose sleeves/clothing

OTHER IMPORTANT RULES

- This is shared lab space
 - Clean up after yourself
 - Follow storage rules
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- Wash your hands frequently
- LABEL EVERYTHING!!!!
- Use caution if you must transport samples to other rooms
- Inform your instructor and/or TA if you use the last of something or break something
- You are responsible for your own safety, and the safety of everyone else in this room

GOOD SAFETY = GOOD LAB TECHNIQUE = GOOD RESULT