

## General Chemistry (CHEM 140) Laboratory Introduction

1) Introduction of lab instructor/TAs/lab manager.

**Instructor:**

- I am responsible for all aspects of this lab course.
- I decide on all lab activities and relate these directly to the material in class.

**Teaching Assistants (TAs):**

- They have been thru the course and can answer most any *content* questions.
- They have a variety of responsibilities during lab:
  - they can answer question about lab activities,
  - they can assist in getting you lab materials,
  - they will collect all "lab-related" assignments, including lab notebook carbon copies,
  - they will enforce safety practices (mainly safety glasses!!!!)

**Lab Manager:**

- He has setup/prepared the lab materials.
- He can find...just about anything you need if the TA cannot assist!
- He will sometimes assist with the lab activity.

2) How does GenChem lab work?

**General Comments:**

- All lab content is directly related to class lectures (2D).
- Lab introduces you to "*technique*" (3D).
- Although some lab material will be new, this material will be discussed in class shortly.
- Lab content/material will be assessed during lecture exams and *possible a lab practical*.

**Procedures:**

- You will be required to keep a **carbon-copy (CC) lab notebook** (Lab 1 next week); CCs are ALWAYS turned in at the end of the lab period, no exceptions!
- Lab activities will be handed out in class on Friday.
- You **MAY** have a prelab activity that needs to be completed before coming to lab; the prelab assignment is your "ticket" to lab.
- Data collected during lab will be analyzed as described in the **Reporting Sheet**. Data analysis and reporting sheets are due 1-week after the lab period.

**Procedure Summary:**

Lab handout --> Prelab --> data collection (CC) --> Reporting Sheet (WA)  
(Friday) (Mon/Tues) (due following Mon/Tues)

**Lab Absences:**

- If you miss lab on your assigned day (Mon or Tues) then please come to the lab on the other day...plan ahead. There are no make up labs (sorry, but after Tues lab, setup begins for next lab and none of us have 3 additional hours in our schedule to allocate.)

3) Lab Safety (see *Lab Safety* handout) and waste management.

**General notes:**

- Safety glasses are to be worn at all times
- Never throw any lab chemicals/solutions into the drain unless instructed.
- Please sign the lab safety agreement form.