

## **CH – 132 Lab Practicum Study Guide**

Students will perform a complete laboratory experiment that involves the various skills and techniques either taught or reinforced in CH-132 lab. You will collect the necessary data and use that data to calculate the specified results. Please note the following comments:

1. You will work independently, with no aid from your Instructor or fellow classmates.
2. All calculations will be made and the completed report submitted prior to leaving the lab.
3. The assigned experiment will be made available the day of the Practicum.
4. There will be NO prelab presentation or quiz.
5. The entire 2.5 hour lab period is allowed. All reports must be submitted by the end of this time period.
6. Every effort will be made to start the Practicum on time. A student who arrives AFTER the instructions have been given, WILL NOT be allowed to participate.
7. Only in cases of extreme circumstances will permission to do a make-up Practicum be considered. Such cases will be referred to the Lab Manager.
8. DO NOT leave the room without permission of the Instructor.
9. As this is a skills/techniques exam, students should concentrate on their own work and avoid observing the actions of other students.
10. Necessary skills/techniques:
  - Use of the tare feature in sample weighing
  - Proper use of a buret for titrating
  - Proper use of a volumetric pipet
  - Stirring a solution with a magnetic stir plate
  - Preparation of a solution in a volumetric flask
  - Ability to balance a REDOX chemical equation.
  - Understand mole ratios from that balanced chemical equation
  - Ability to calculate molarity from titration data