**Chemistry 131 Laboratory**

**Survey of Chemistry I**

**Fall 2023**

**Schedule** is attached next page. Lab is held in Room 485.

**Grading**:

Laboratory portion of CH-131 will count 20% of the course. There are 10 laboratories and your lowest score will be dropped from the grade. There will be no make-up labs and any missed lab will receive a score of zero. You will be marked as absent and receive a zero lab grade if you are more than 10 minutes late.

**You must receive a passing grade in the lab to pass the course**. You will receive a failing grade in lab if:

1. you miss 3 or more labs
2. your score is less than 60%
3. you violate any safety rules, such as **not wearing safety goggles**

**Textbook and other necessities**:

All laboratories will be provided as handouts. These are available on the Blackboard Course Site.

You must bring a calculator to laboratory.

You must buy a pair of **safety goggles** and of course **you must wear them at all times in the lab.**

**Before coming to the lab**:

You must complete the pre-lab assignment **before** you come to the lab. You have to read and understand the experiment that you’ll be performing **before** coming to the lab.

**In the laboratory**:

You are required to observe all safety rules.

Proper attire is required. Long hair should be tied. Loose clothing (oversized sleeves, extra baggy pants) should be avoided. No shorts allowed. Closed shoes must be worn (no sandals, flip-flops, crocs!). Bags, jackets and other items should not be left in the laboratory since someone may trip over and cause an accident. You may store them in the lockers in the hallway during the lab. The locker may be secured by a padlock during the lab but must be cleared when you leave.

**At the end of lab**:

You must complete the lab report with all the data collected during the experiment and leave the bench clean.

**CH 131- Laboratory Schedule Fall 2023**

**Lab Experiment**

Safety Practices in Chem. Lab/Check In

1. Transfer and Measurements of Chemicals
2. Density of Green Tea Drinks
3. Molecular Models
4. Synthesis and Properties of Polymers
5. Forensic Analysis of Inks
6. A penny’s worth of chemistry
7. Energy of a Snack Food
8. Evaluation of the Gas Constant
9. Preparing Solutions
10. Acid Concentration of Fruit Juices

**Schedule for all 131 lab sections:**

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| **Date** | **Lab experiment** |
| **Sept 5-8** | **No Lab** |
| Sept 12-15 | Exp#1, Safety/Check-in |
| Sept 19-22 | Exp#2 |
| Sept 26-29 | Exp#3 |
| Oct 3-6 | Exp#4 |
| Oct 10-13 | Exp#5 |
| Oct 17-20 | Exp#6 |
| **Oct 24-27** | **No Lab** |
| Oct 31-Nov3 | Exp#7 |
| **Nov 7-10** | **No Lab** |
| Nov 14-17 | Exp#8 |
| **Nov 21-24** | **No Lab** |
| Nov 28-Dec 1 | Exp#9 |
| Dec 5-8 | Exp#10, Check-out |