

**Chemistry 101**  
**General chemistry I**  
**Laboratory**

**Text:** Laboratory manual (purchased from Main Chemistry Office, Room 102).

**Reference Textbook:** R. Chang, "Chemistry", 7<sup>th</sup> edition, McGraw Hill, 2002

**Grading Scheme:** Laboratory Work constitutes 25% of the Course grade:

Reports + Evaluation	10%
Drop Quizzes	5%
<u>Lab. Final Exam</u>	<u>10%</u>
<b>Total</b>	<b>25%</b>

**Schedule:**

<b>Lecture</b>	<b>Experiment</b>
1	Check- In + Bunsen Burner
2	Measurement
3	Empirical Formulas and Percent Composition
4	Effect of Limiting the Concentration of a Reactant
5	Chemical Reactions and Acid Rain
6	Acid – Base Titration
	Make-Up
7	Gas Laws
8	Molecular Weight of Carbon Dioxide
9	Aluminum Analysis
10	Identifying the Mystery Metal + Check-Out
11	Lab. Final Exam

## Guidelines

### Examinations:

- Expect **Drop Quizzes** and a **Final Exam**.
- The Drop quizzes are related to the assigned experiment and are usually administered at the beginning of the Lab. Session.

### Attendance:

- Students must attend all laboratory lectures and laboratory sessions.
- **If more than two lab. sessions** are missed, students will be asked to withdraw. A make-up for a missed laboratory session is allowed only upon presenting a **valid excuse** ( an official medical report from the Infirmary)
- No **Make-Up** Drop quizzes or Final exam.

### Lab. Work:

During every lab. session, students are required to:

- Have their **lab. manual**, the **cabinet key** and a **calculator**.
- Have their own **detergent, sponge, towel** and **matches/lighter**.
- Wear a **white gown** and **safety goggles**.
- Abide by the **safety rules** and **laboratory regulations** as set forth in the manual
- Come **prepared** with complete understanding of the experiment .They are advised to prepare an outline of the experimental procedure to be followed.

### Lab. Report:

- **Photocopy** the **lab. report form** related to the experiment, and that is available at the end of each experiment in your manual.
- Prepare for your report before you come to the lab. and make sure that you know how to complete it.
- Submit your completed report at the end of the lab session. **Zero grade** will be given for late reports.