

Chemistry 1001

LABORATORY SYLLABUS

Instructor: Ronald Nohr

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TEACHING ASSISTANTS:

Priyanka Aggarwal	Priyanka.Aggarwal@du.edu	Wednesday Labs.	2:00 PM and 7:00 PM
Glenn Capodagli	glenn.capodagli@du.edu	Monday Labs.	2:00 PM and 7:00 PM
Randall Mazzarino	Randallmazzarino@yahoo.com	Thursday Labs.	2:00 PM and 7:00 PM
Ayisha Siddiqua	asiddiq4@du.edu	Tuesday Labs.	2:00 PM and 7:00 PM

The schedule of experiments for the quarter is attached. Please read the assigned experiment before you come to the lab. For your safety and the other students in the lab this is very important. There will be a quiz covering the content of the new experiment at the beginning of each lab.

You must attend the laboratory section that you are registered for. You will not be allowed to attend a later lab. in the week . The only exception to this rule would be in the case of an excused illness. You must document the illness. There will be no make-up labs during succeeding weeks .

THE FOLLOWING LABORATORY RULES WILL BE IN EFFECT AT ALL TIMES:

1. Wear the proper attire; shoes (no sandals); gloves when necessary; no shorts
2. Safety glasses must be worn at all times.
3. No flames or smoking in the lab.
4. No food or drink allowed in the lab.
5. No horseplay allowed in the lab.
6. Keep all work areas clean and orderly. This includes your work area and the balance table and the hoods. Before you leave the lab be sure these areas are clean. If the lab is left dirty all students will lose 3 points from their lab technique points.
7. No student is allowed in the lab. unless a TA is present.
8. You must be on time for the lab. If you are more than five minutes late the TA will ask you to leave.

Written laboratory reports will be required at the beginning of the next lab. These must be printed out and contain the following: purpose of experiment, experimental data, and conclusion. Your TA will provide a more detailed outline for each experiment.

GRADING: Your laboratory grade will be based on 300 points. These points will be divided up in the following categories:

Reports:	20 points x 8 reports	=	160 points
Quizzes:	15 points x 8 quizzes	=	120 points
Laboratory Technique		=	20 points
Total		=	300 points

TENTATIVE LABORATORY SCHEDULE

WEEK OF	EXPERIMENTS
Sept. 12	No Laboratory
Sept. 19	Scientific Method Significant Figures Molecular Models (Organic Functional Groups)
Sept. 27	Atomic Spectra and Preparation and Spectroscopy of Transition Metal Complex Ions
Oct. 3	Paper Chromatography of Aqueous Ions
Oct. 10	Freezing Point Depression
Oct. 17	Acid Rain
Oct. 24	Nuclear Chemistry (Demonstration and Dry Lab.)
Oct. 31	Electrochemistry and Hydrogen Fuel Cells
Nov. 7	Thin Layer Chromatography (Dyes) (Review Functional Groups)
Nov. 14	No Laboratory