CHEMISTRY 151L – Spring 2006

FOR YOUR PERSONAL SAFETY YOU WILL NOT BE ALLOWED TO WORK IN THE LABORATORY UNLESS YOU ARE WEARING SAFETY GLASSES AND SHOES WITH ENCLOSED TOES. NO EXCEPTIONS!!!!

Week of: EXPERIMENT
January 16 Check-in and course logistics
January 23 PROP 602. Determining Density
January 30 2. Heterogeneous Mixtures
February 6 3. Alum Preparation
February 13 5. KClO₃ Analysis
February 20 12. Metathesis Reactions
February 27 6. Formula of a Hydrate
March 6 STOJ 386. Empirical Formula for Copper Chloride
March 13 8. Caloric Content of a Vegetable Oil
March 20 9. Aspirin Synthesis
April 3 10. Molecular Weight of a Volatile Liquid
April 10 11. Standardization of a NaOH solution and Analysis of Vinegars
April 17 Check out

ATTENDANCE AND GRADING

You are expected to attend all meetings of this laboratory course and to complete all assignments on time. Due to space, manpower, and budget problems, there will be no make-up laboratories under any circumstance.

If you have more than one unexcused (or two excused) absences during the semester, you will receive an "F" for the course. Only the supervising faculty member, not your Teaching Assistant (TA), can excuse an absence. In general, acceptable reasons are limited to serious medical problems verified in writing by a medical physician.

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Before coming to each laboratory class, you will be expected to have read the experiment to be performed that day, and to have completed the Prelaboratory Assignment. The pre-lab assignment and the Report Sheet from the previous week's experiment are due at the beginning of class. You will be given a short quiz at the beginning of class to test your understanding of the previous experiment and your preparedness to begin the work of the day.

Grades will be determined according to the following weighing:

Report Sheets (50%)
Prelaboratory Assignments (10%)
Quizzes (30%)
TA evaluation (10%)

All grades will be included in the averages. If you have an unexcused absence, you will receive grades of zero both for the prelabatory assignment due that period and for the report due at the start of the next week's laboratory.

Your TA, in evaluating your performance, will give substantial weight to your attention to safety, in particular to your wearing of safety glasses and safe shoes, and to your adherence to proper laboratory practices taught in this course. One important practice is to record immediately the data or observations you make during an experiment only in ink on the Report Sheet.

SPECIAL NOTES

1. The Chemistry 151L experiment are described in a packet of handouts and a separate module ("Modular Laboratory Program in Chemistry," STOI-386-7) which you must purchase at the bookstore. Simultaneously buy a Student Handbook-1400. Safety goggles are also available at the bookstore.

2. "Drylabbing" is a form of academic dishonesty and will not be tolerated. Your attention is drawn to the following excerpt from the official UH discussion of cheating and plagiarism:

"Plagiarism includes but is not limited to ... drylabbing, which includes (a) obtaining and using experimental data from other students without the express consent of the instructor, (b) utilizing experimental data and laboratory write-ups from other sections of the course or from previous terms during which the course was conducted, and (c) fabricating data to fit the expected results."


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