University of Texas at Dallas
Organization of Chemistry 1111
Spring 2008

Mr. Greg McGovern:
Office: BE 3.330
Office Hour: F 1:30 – 2:30 PM
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There will be nine wet lab and three dry lab experiments during the semester. <u>There will be no makeup wet labs, no makeup dry labs;</u> <u>and you are not allowed to perform your experiments in another Lab section.</u> Each lab will be weighed equally when determining grades. Your final grade for the lab will be determined after dropping the lowest wet lab score. Any changes or addenda to the syllabus or schedule will be announced in recitation.

Day/Time	Section	Teaching Assistant	Office	E-mail
R 8:30-11:30	101	Judy Wahome	TBA	jaw061000@utdallas.edu
R 11:30-2:30	102	Judy Wahome	TBA	jaw061000@utdallas.edu
R 2:30-5:30	103	Judy Wahome	TBA	jaw061000@utdallas.edu
F 2:30-5:30	104	Judy Wahome	TBA	jaw061000@utdallas.edu

WET LAB: BE 3.508

Lab Manual: **University of Texas at Dallas*:* Chemistry Lab Manual**

Materials: **Safety goggles/glasses, ~~Composition notebook~~ and a calculator**

Safety Policy: **No individual will be allowed in the lab without safety glasses. No individual will be allowed in the lab wearing short pants or skirt, or open-toed shoes. Do not sit on the benches. Chemical residues might contaminate your clothing. Do not eat or drink in the laboratory. If you must take a break, wash your hands thoroughly before leaving. No individual will be allowed in the lab with contact lenses. Please refer to the *Undergraduate Laboratory Policies**. Given proper warning, students who do not comply with the safety rules will be asked to leave without receiving a grade for the experiment. During dry labs, the students may be allowed to not wear safety glasses, at the professor's discretion.**

*** http://www.utdallas.edu/chemistry/resources/safety.html**

Lab Grading: **Lab Report 80%**

- **Data Sheet**
- **Calculations**
- **Questions**

Cleanup, lab preview, and lab readiness 20%

Lab Preview: **The lab experience is much more enjoyable when you have the basic, initial understanding of the experiment. Preview questions are designed to help you understand the concepts and techniques involved in each experiment. Previews will usually not be collected. However, you must show the preview to the instructor to receive the grade. The lab preview questions will help you better prepare for the quizzes. Answers to the lab previews will be available in the lab one week later. LATE previews will <u>not</u> be accepted and you will be given a ZERO.**

Lab Readiness: **You are responsible for all of the required material and equipment for each experiment. You must dress appropriately and have all of the required materials (ie. Goggles, close-toed shoes, lab manual, pen…etc.).**

***Lab write ups*:** **There is no formal report(s) required for this course. However, you will turn in the data sheets with all the required information for each experiment. Where appropriate, it is essential that you include calculations, detailed observations, balanced equations, percentage error, a brief conclusion* of the experiment, etc. Write ups are due on the next lab day (i.e., one week after the previous lab was completed). For example, if an expt. is performed on Monday the 13th of Sep. the lab write up for that exp. will be due before the lab on Monday, 20th of Sep. LATE write ups will be accepted but 10% of the maximum points allowed will be subtracted from a late write up EACH DAY it is late.**

Data: **Any data you collected during the experiment must be written in pen. In case of wrong entries, make a new table and explain what happened. Calculations can be written in pencil. Do not scratch off any original data. Use scientific notations to improve accuracy. 0.000789 does not equal to 0.0008, its 7.89X10^{-4}. Calculating this way might improve % error. Keep all the data and calculations neat. If we can't read them, obviously we cannot grade them. Before you leave the lab, TA must review and sign the data sheet.**

Calculations: **If you made an error in the calculation, points will be taken off for that part; however, we will go through your calculation and use the wrong data to see if rest of the calculations are correct. Points will be deducted if you identify the wrong unknown or if you have high percentage errors. All materials in this lab come from the lab manual. Although some concepts might not be covered in the lecture, you should still be able to perform if you have read the manual carefully. Seek help if you have trouble.**

Cleanup*: **Leave sufficient time at the end of laboratory period for cleaning up. Make sure you thoroughly clean all the equipment, glassware and also clean up your bench. If you do not comply with cleanup and other general rules pertaining to the lab, your grade for that lab will be lowered by 10%.**

Stock Room: **Chemistry Stock Room: BE 2.412 (DOWN STAIRS) You will need to replace broken items from the Chemistry stockroom , BE 2.412. You need to fill out a breakage form with appropriate information. The items are charged to you as breakage at the end of the semester.**

THIS WILL BE STRICTLY ENFORCED. YOU ARE ALSO REQUIRED TO PAY TO BURSARS OFFICE FOR ANY ITEMS IN YOUR LAB DRAWER THAT BECOME BROKEN OR LOST DURING THE SEMESTER

FAILURE TO PAY FOR BROKEN OR LOST DRAWER ITEMS WILL RESULT IN WITHHOLDING OF YOUR LAB GRADE

Recitation:

You must enroll in one of the recitation sections in order to receive lab grade. Recitation lectures are designed to prepare students for the upcoming experiments, therefore given a week ahead of actual lab sessions. Use the lab schedule to determine the recitation schedule.

Attendance in recitation is not optional. **The attendance will be taken periodically during recitation. Your attendance, conduct and participation will have an impact on your grade.**

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LAB SHEDULE

If any changes are made to the schedule, it will be announced in recitation.
Reports are due the following week, unless otherwise noted.
Recitation covering each lab is the Friday before the experiment occurs.

Proper attire is required for all lab classes, even dry labs.
Double check your pants and shoes before showing up to class.

Date		Exp.#	Experiment
Jan 17&18	**Check - in**	**N/A**	**Check - in**
Jan 24&25	**Dry Lab**	**2**	**Safety /Nomenclature**
Jan 31&Feb 1	**Wet Lab**	**1**	**Basic Lab Operations**
Feb 7&8	**Wet Lab**	**3**	**Chromatography**
Feb 14&15	**Wet Lab**	**7**	**Limiting Reactant**
Feb 21&22	**Wet Lab**	**8**	**Volumetric Analysis**
Feb 28&29	**Wet Lab**	**9**	**Vinegar Analysis**
Mar 6&7	**Wet Lab**	**11**	**Redox Reactions**
Mar 20&21	**Wet Lab**	**5**	**Spectroscopy**
Mar 27&28	**Wet Lab**	**4**	**Identification of a Compd**
Apr 3&4	**Dry Lab**	**6**	**Molecular Geometry**
Apr 10&11	**Wet Lab**	**10**	**Metathesis**
Apr 17&18	**Dry Lab**	**N/A**	**Hand out**
Apr 24&25	**Dry Lab**	**N/A**	**Checkout (Required)**

Failure to check out of the lab will result in withholding of the lab grade.