Chemistry 1212L (Leslie, Spring 2018)

Co-requisite CHEM 1212

Instructor
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All contact via e-mail should be through your University of West Georgia e-mail account. While I will check CourseDen messages, my e-mail is by far the fastest and easiest way to contact me.

Class time
Tuesday 4:00-5:50 pm or Wednesday 9:00-10:50 am

Required
All required materials are included in the laboratory fee for the course

Office Hours
M: 2:00-5:00 pm
Tu: 9:00-11:00 am and 2:00-3:00 pm
W: 1:00-3:00 pm
Th: 2:00-4:00 pm
Additional office hours, by appointment

Learning Outcomes

1. Students will, with the assistance of laboratory instructions, complete a variety of laboratory techniques in a safe manner.
2. Students will write their findings from laboratory activities in a way which communicates what they have found. This includes a strong focus on interpreting graphs and using excel, or other spreadsheet programs, to create graphical reports of data.
3. Students will demonstrate an ability to work together with other students to complete laboratory activities in which multiple individuals must work together to complete a project.
4. Students will make connections between material that is covered in CHEM 1212 and the lab activities being performed in CHEM 1212L.

Grades

The final grade will be based on the following breakdown:
Lab Conduct: 20%
Pre-Lab: 10%
Lab reports: 70%
Final Grade:
A- 89.5-100  D- 59.5-69.5
B- 79.5-89.4  F- 0-59.4
C- 69.5-79.4

Pre-Lab

For each lab, with the exception of the first lab, there will be a short pre-lab assignment on CourseDen. This assignment will include a short number of questions that can be answered by using the information provided in the handout for the week’s lab as well as material from lecture. This is due before the start of the lab class. After a lab is completed in class, a pre-lab will be assigned shortly afterwards on CourseDen for the following week’s lab.

Lab reports:
Lab reports will be responses to a series of questions that are provided at the end of each lab. Hard copies of the lab write ups will be turned in at the start of the next class meeting. Any lab turned in after the start of class will be considered late.

Late reports will incur a penalty of 10 points for each day late. I will not accept reports that are more than 7 days late. These can be turned in to my office. If I am not in my office, it is ok to slip it under my door, but make sure it is stapled together if it is a multi-page assignment and that it has your name on it.

Attendance

Attendance to lab is required. Attendance will be recorded by filling out a sign in sheet at the start of class. Unexcused absences will result in a grade of zero for the lab. If an emergency or official school function forces a student to miss that day’s lab, official documentation of some type must be shown to the professor. An appropriate solution will be determined at that time based on the lab missed. If you are missing lab for a school function (for example you are part of a UWG sports team and have a game during one of the lab meetings), you need to let me know ahead of time so that appropriate arrangements can be made.

Laboratory Conduct
You are responsible for working in a safe, timely manner to complete your experiment in the allotted time. After completion of an experiment, make sure to clean up the lab space, clean and store glassware, and unplug hotplates. Failure to follow safely protocols, complete your experiment on time, or properly clean your lab space will result in a deduction from your Lab Conduct grade. Being late to lab will result in a reduced conduct grade for that lab. If you are late more than 15 minutes you will not be able to participate in the lab for the week and will receive a grade of zero for the lab.
Tentative lab schedule:

Jan 9 and 10 – Lab syllabus/safety/measurenet
Jan 16 and 17 – Using excel
January 23 and 24 – Vapor pressure
January 30 and 31 – Freezing point depression
February 6 and 7 – Kinetics 1
February 13 and 14 – Kinetics 2
February 20 and 21 – Equilibrium
February 27 and 28 – pH of acids and bases salts
March 6 and 7 – Buffers
March 13 and 14 – Titrations
March 27 and 28 – Enthalpy of hydration
April 10 and 11 – Reaction entropy
April 17/18 and 24/25 – Qualitative analysis (2 weeks)

Common Syllabus Information:

Students, please carefully review the information at this link:

https://www.westga.edu/UWGSyllabusPolicies/

It contains important information pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester. This link contains information about such things as the university honor code and class accommodations related to the Americans with Disabilities Act.

Changes to the Syllabus
The information in this syllabus may be updated or changed during the course. Changes to the course syllabus will be provided via CourseDen announcement.

Academic Honesty
Plagiarism and cheating will not be tolerated. Students caught cheating will receive a 0 for the assignment and possibly face further disciplinary action. A second occurrence will result in receiving an F for the course in addition to any further action taken by the university.
What Counts as Plagiarism?

This course is one in which you will be working with a lab partner. To be clear, this does not mean that your lab reports are group reports. They are instead individual reports.

What this means is that all of the following are examples of things that would be included as plagiarism:

- Dividing the lab in half and each person doing half of the assignment and then putting the halves together to create the final report.

- Having one person create all of the graphs and tables and send them to other group members for them to use

- Getting a copy of the lab from someone else and changing a few words and sentences so as to try and make it “different enough”.

- Getting a copy of the calculations from someone else even though you did the rest of the lab yourself.

Overall what this means is that you are supposed to do the write up portion of the lab on your own. No part of the lab should be a copy from someone else. However, you will be doing the labs together. This means that the actual data will be the same but no part of the lab write up should be copied from someone else (including copying someone but changing a few words).

In addition, copying other sources is also plagiarism.