

## Chemistry 1212L – Course Syllabus (Fall 2007)

<u>Laboratory Section</u>	<u>Laboratory Time</u>	<u>Laboratory Instructor</u>
CHEM 1212L-A	Wed. 3:30 pm to 5:20 am	Dr. Linda de la Garza
CHEM 1212L-B	Thur. 3:30 pm to 5:20 pm	Dr. Linda de la Garza
CHEM 1212L-C	Frid. 8:00 pm to 9:50 am	Dr. Linda de la Garza

All laboratory lectures meet in Room 3009 on **Wed from 8:00 am to 8:50 am**

All laboratories meet in Room **3036** (Bailey Science Building), at the designated times.

**Prerequisites:** CHEM 1211 and CHEM 1211L, both with a grade of “C” or better

**Corequisite or Prerequisite:** CHEM 1212

**Laboratory Manuals:** Laboratory Manual for CHEM 1212K. 6th Ed.

Griswold, et. al. Laboratory Handbook for General Chemistry, 2nd. Ed. 2002.

**Laboratory Website:** <http://teach.valdosta.edu/chemlab/general.htm>  
<http://www.valdosta.edu/~ldelagarza>

**Other needed equipment:** Calculator, towels, appropriate eye protection, computer storage device (Jump drive recommended with minimum of 128 MB memory)

### **Schedule of laboratories:**

<u>Week #</u>	<u>Experiment</u>
1 (8/13)	Check In, Safety, Experiment #1, Factors Affecting Reaction Rate
2 (8/20)	Experiment #2, Kinetics of Murexide Decomposition
3 (8/27)	Experiment #3, LeChâtelier’s Principle
4 (9/3)	Experiment #4, Determination of an Equilibrium Constant
5 (9/10)	No laboratories ☺
6 (9/17)	Experiment #5, Standardization of NaOH
7 (9/24)	Experiment #6, Percent KHP in an Unknown
8 (10/1)	Experiment #7, Potentiometric Titration
9 (10/8)	Experiment #8, Determination of $K_{sp}$ for $\text{CaSO}_4$
10 (10/15)	Experiment #11, Oxidation-Reduction Reactions and Voltaic Cells
11 (10/22)	Experiment #9, Analysis of Group I Cations
12 (10/29)	Experiment #10, Begin - Analysis of Group III Cations
13 (11/5)	Experiment #10, Continue - Analysis of Group III Cations
14 (11/12)	Experiment #10, Finish - Analysis of Group III Cations
15 (11/19)	No laboratories ☺
16 (11/26)	Experiment #12, Analysis of Group IV Cations / Check Out

Final Exam: Wednesday December 6<sup>th</sup>, 8-10 am.

**Grading:** Your laboratory average is based on the average of all laboratory reports and the laboratory final. None of your laboratory report grades will be dropped.

The laboratories, in general, will be graded as follows:

Quiz = 10 pts.

Prelaboratory assignment & Flow Chart = 20 pts.

Laboratory questions, calculations, etc. = 70 - 80 pts (Including Objective, Flow Chart, & Conclusions).

Letter grades are assigned as follows: A 90.0% and up, B 80.0% to 89.9%, C 70.0% to 79.9%, D 60.0% to 69.9%, F below 60.0%

**Laboratory Attendance:** Laboratory attendance is mandatory. If you have an excused absence, the laboratory must be made up during the same week. If a laboratory is not made up, it counts as a missed laboratory. The penalty for your first missed laboratory is a "0" for that laboratory. The penalty for your second missed laboratory is a "0" for that laboratory and a drop in one letter grade for the course (i.e. a "B" becomes a "C"). The third missed laboratory results in failure for the course. Of course, an unexcused absence counts as a missed laboratory, with no chance to make up the laboratory.

**Laboratory Lecture Attendance:** Attendance at the laboratory lecture is mandatory. An absence from the laboratory lecture will result in a "0" for that week's quiz (excused or unexcused).

**Handing In Laboratory Reports:** Laboratory reports are due at the beginning of the laboratory period one week after that laboratory has met, unless otherwise specified by the laboratory instructor.

**Make-ups:** Make-up laboratories are permitted only during the same week in which the experiment is being done. Make-up laboratories at other times are at the discretion of the laboratory instructor. In those cases, it is the responsibility of the laboratory instructor to supervise the make-up. If the laboratory is made up in a different laboratory instructor's laboratory, the make-up laboratory instructor must sign the report sheet indicating that the make-up was successfully completed. Failure to do this will result in the make up laboratory work not being accepted. No make-up laboratories are permitted after Dec 1st.

In order to receive credit for each laboratory you must attend the laboratory, do the laboratory work, and hand in the report. "Dry labbing", which is either not attending the laboratory, and handing in a report, or not doing the laboratory work while handing in the report will NOT be tolerated and a first offense will result in FAILURE FOR THE COURSE.

**Lateness:** If you are more than 15 minutes late to a laboratory, you may not be allowed to do the laboratory at that time.

**Dropping the course:** If you wish to drop the course and/or not attend the laboratory any more, you must officially check out of your laboratory drawer, even if a second person will still be using it. Checking out the drawer involves washing glassware, and making sure materials are present as needed. If you "undrop" or quit attending laboratory with checking out, a hold will be placed on your records!!! Even though the lecture and laboratory are co-requisites, it is possible to stay in the laboratory while dropping the lecture. If you wish to do that, you cannot "web withdraw", you must do the paperwork.

**Safety:** Appropriate eye protection must be worn at all times while in the laboratory. If you are caught without appropriate eye protection, you will be given two warnings. A third offense during the same laboratory period will result in your being asked to leave the laboratory, with a zero for that day's work and no chance to make up the missed work.

**Access Office Information:** Any student who requires classroom accommodations or modifications because of a documented disability should contact the Access office at the beginning of the semester. Their number is 245-2498.