

Chemistry 1A Lab  
General Chemistry  
(Fall 2011)

**Chem 1A Lab**

**BLDG:** PHY 82

**Instructor:** Leonel Jimenez

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**Required text:** “General Chemistry Quantitative and Qualitative Laboratory Experiments for Science Majors; Book A; Jan Dekker”

**Course Description:** This is the first course in a two course sequence in general chemistry and is intended for students majoring in science or satisfying prerequisites for professional schools. This course covers the principles and laws of inorganic chemistry with an emphasis on quantitative, mathematical problem-solving. Topics included in the course are atoms, molecules and ions formulas and equations stoichiometry gas laws electronic structure of atoms bonding atomic orbital and molecular orbital theories solutions precipitation reactions oxidation reduction reactions introduction to acids and bases thermochemistry properties of liquids solids and crystal structures solution behavior colligative properties associated laboratory experiments and volumetric and gravimetric analysis methods. **Prerequisites:** High school chemistry with laboratory component or Chemistry 3A or 10 or equivalent, and Mathematics 103 or equivalent. **Advisories:** English 1A. (A, CSU-GE, UC, I)

**Assessment of your learning**

The grade of each student will be determined by the total number of accumulated points from the laboratory based on the percent scale below.

90-100 %	<b>A</b>
80-89 %	<b>B</b>
70-79 %	<b>C</b>
60-69 %	<b>D</b>
0-59 %	<b>F</b>

**Your grade in the class will be determined by your performance on the following**

Pre-semester Quiz	20 points
Twenty-Six Lab Reports	260 points ( <b>10 points each</b> )
Four Lab Quizzes	80 points ( <b>20 points each</b> )
Titration Exam	60 points
Final Lab Exam	100 points
<b>Total</b>	<b>520 points</b>

**Lab:** You must attend all labs for credit no lab makeups are accepted. You are expected to be prepared for lab on its assigned date. All lab reports are due after class. **All duties of lab must be equally shared** among partners **failure to do so will result in a ZERO**. **Make sure to wear goggles and close toe shoes or you will be dismissed from lab and will result in a ZERO.**

**Extra Credit:** No extra credit will be given, except on exams.

**Academic Honesty Policy:** Academic dishonesty is a cause for discipline under Board Policy 5500 (c) and procedures for formal discipline are spelled out in AR 5520 and also in Student Conduct Standards and Grievance Procedures Handbook. Academic dishonesty or cheating of any kind is not tolerated in this class. Cheating of any sort will be reported to appropriate staff and the administrators and my result in an immediate “F” grade in the course. For the college policy on cheating and plagiarism, refer to the Reedley College catalog. Academic dishonesty is a cause for discipline under Board Policy 5500 (c) and procedures for formal discipline are spelled out in AR 5520 and also in Student Conduct Standards and Grievance Procedures Handbook

**Cell phones/electronic devices:** Cell phones or any other noise making devices **MUST** be turned off or put on silence during class. If your cell phone or other noise making device goes off during a class period (e.g. lecture) **5 points** will automatically be deducted from your point total. If a cell phone or other noise making device goes off during a quiz or exam you will automatically lose **10 points for that assessment**. I do not want to see cell phones or other electronic devices out during class, please put them away. **If you answer a cell phone or take a cell phone out during class you will be asked to leave.** If you absolutely **MUST** have your phone for emergency reasons you are to consult with me prior to class.