

Instructor: Janice Crowley

Office hours: Tues. & Thurs. 2:00 – 4:00 pm Rm1916

CHEM 1 A Lab Section 8562

Lab lecture: Wednesday 2:00 – 3:00 pm Rm 1910

Spring 2017

Lab meeting time: 3:00 – 6:00 pm Room 1980

According to the syllabus of Santa Rosa Junior College Chemistry 1A Dr. Poupak Khazaeli-Parsa Spring 2017, Page 5 of 8, the laboratory portion of this course is worth 25 pts (25%) that may be derived from pre/post lab assignments, accuracy of results and worksheets.

Lab Lecture: At the beginning of lab lecture, I expect you to have all your pre lab work completed. During lecture, I will discuss safety, important items that will help you with the procedure, and chemistry content relevant to the lab. On the first day, I will give you name cards that you will place by your desk. You will be expected to keep these and display these name cards during each lab lecture until I get to know all your names. I expect you to focus on what I go over – this insures that you have success completing the lab safely, accurately and within time allotted for lab. Many of these experiments require every minute of the 3 hours you are given to carry out and complete the lab so it is important that you walk into lab ready to work diligently. I do take off points for poor lab technique including: leaving balances dirty, leaving lids off reagent bottles, powder or liquid spills around reagent area or balance area, not cleaning lab station when done, not cleaning glassware thoroughly before and after lab, not putting items back where they belong, leaving trash ...

LABORATORY: The lab section of the course will be used to perform experiments, to discuss experimental results and for problem solving activities. Each experiment will require preparation time prior to the start of lab, and additional work after lab to complete the report. Before coming to lab, read the whole experiment all the way through, complete the objective statement, prelab questions and data table. Please ask for instructor's first initial when the lab starts. During the lab period, carry out the assigned experiment, safely. Write all your data and observations directly onto the report sheet, in non-erasable ink. If you make a mistake, cross it out with one line, and write the correction either just above or next to the mistake. Always complete the report sheet in your own writing and wording. Before leaving the lab, show your instructor that you have completed certain parts of your report sheet. Usually the required parts include all the experimental data, observations, and analysis. Warning: if you leave without showing your work to your instructor, the grader will assume that you skipped out early and got your data from a friend... i.e., that you were cheating! Don't forget! After your instructor has seen your work, you may take your report sheet home to finish answering the questions and to study. If you find that you need help completing a laboratory assignment, be sure to seek help well in advance of the due date.

Lab Reports are due at the beginning of each lab, the week after the class does the experiment. Late Labs: Note that the lab reports are usually due at the beginning of the lab period of the following week. Reports that are submitted up to one week after the time due will be accepted with 25% penalty. Reports submitted more than one week late will not be accepted. Any lab reports not turned in will receive a grade of zero. Any student with four or more unexcused missing laboratory reports will likely earn an "F" grade in the course. Neatness, organization, completeness and accuracy are not only expected, they are demanded! Any work that is sloppy, poorly organized, incomplete or inaccurately done will be either rejected or severely graded. Pages torn from spiral bound notebooks will not be accepted. Missed Labs: Lab attendance is required, and attendance will be taken during each lab meeting; missing four or more labs may result in you being dropped from course. Laboratory instructions, modifications, theoretical concepts and safety precautions will be discussed during the laboratory lecture period. Laboratory lecture attendance is required in order to perform the assigned

laboratory experiment. If anyone is tardy or absent, they may be barred from the laboratory and receive a score of zero for that assignment. If you miss a lab period, it is possible, if space is available, with the consent of the lab instructor, to make up the time during another lab period, as long as the same experiment is still being done. Please do not make a habit of requesting this accommodation

Laboratory Safety: Safety in the laboratory is of primary importance. While in the laboratory, you must be appropriately dressed in long pants and closed-toed shoes. Backpacks and other loose articles must be stored in the cubbies provided, not on the floor. If you have long hair, it must be tied back. When anyone in class is working on chemistry, everyone must be wearing safety goggles. These may be worn over prescription glasses. Food and drink are strictly prohibited in lab. More complete safety instructions will be given to you in lab. Special note: if you receive a grade of F in the laboratory portion of the class, you will not be able to receive a passing grade (C or higher) for the course overall. For example, if you receive a 30% in lab, even if you get A grades on all of your exams, your grade for the course will automatically drop to a D. Reevaluation of laboratory reports: Written material may be re-examined but the request for re-evaluation should not be based on frivolous reasons. Students desiring a reevaluation of graded material must submit the document in question with written detailed rationale for any changes requested. Based on the rationale submitted, the entire lab will be thoroughly evaluated. The outcome of the re-evaluation may be positive, negative or result in no change in the original score.

Spring 2017, Chem 1A Lab Schedule: Note: points awarded are based on any quiz I might give that week, the lab, the prelab, post lab, lab technique, the report...

Week	Day	Date	Lab	Points
1	W	1/18	Safety training and unit conversions, accuracy/precision, sig. fig	10
2	W	1/25	Lab #1 Measurement and Density	18
3	W	2/1	Lab #2 Avogadro's Number	18
4	W	2/8	Lab #3 Atomic Spectra	18
5	W	2/15	TBA	
6	W	2/22	Lab # 4 Six Solutions	18
7	W	3/1	Lab # 5 Lewis Structures, VSEPR	18
8	W	3/8	Lab # 6 Formula of a Compound	18
9	W	3/15	Lab # 7 Intermolecular Forces	18
10	W	3/29	Lab #8 Analysis of Aspirin	18
11	W	4/5	Lab # 9 Synthesis of Strontium Iodate Monohydrate	18
12	W	4/12	Lab # 10 Identification of a Diprotic Acid [Formal Report]	24
13	W	4/19	Lab # 10 Identification of a Diprotic Acid [Formal Report]	
14	W	4/26	Lab # 11 Heat Capacity of a Metal	18
15	W	5/3	Lab # 12 Hess's Law	18
16	W	5/10	Lab # 13 Determining the Ideal Gas Constant	18
17	W	5/17	Check Out (mandatory) 10 % deduction in grade if not done	
			Total points	250