Chemistry 1A Greensheet

Instructor: Michael Lane — Winter 2019
Office Hours: Tue/Th 1:15 – 2:30 p.m. & by appt. — E-mail: LaneMichael@fhda.edu

Required Text: Silberberg, Chemistry, The Molecular Nature of Matter and Change, 8th edition. (The 6th & 7th editions are nearly identical)

Prerequisites: Chemistry 25 and Intermediate Algebra, or satisfactory score on Chemistry placement test. It has been my experience that students who received a grade of C in Chemistry 25 seldom complete this course.

This course is a descriptive course in General Chemistry. Often, a concept in Chemistry is more easily explained if a student has a background in Calculus or Physics. Where necessary, I will provide the necessary background or provide an alternative explanation. A solid background in algebraic manipulation is necessary and will be assumed.

Laboratory: You must receive a passing grade in the lab to receive a passing grade in the course.

Homework: A homework assignment will be provided. The selected problems are representative of those that you can expect to see on exams. This homework assignment represents the **minimum** number of problems that you should complete. **A maximum of ten points of extra credit (for the entire quarter) will be awarded for submission of the assigned homework showing all work**. Sloppy work will be returned ungraded. Homework assignments are due on the day of the exam for all chapters that have been completely covered during the lecture. Staple all chapters together. **An additional 10 points of extra credit will be awarded for the completion and submission of 90+ % of the problems in the text.**

Also, with due respect to the other disciplines within the college, this 5 unit Chemistry class is likely to be the most difficult class you will have encountered to date. You should anticipate at least 10 hours per week of study time outside of class time. **10 hours per week of study time and 8 hours of in class time is roughly the equivalent of a ½ time job. If you are working ½ time (or more) already and taking a full class load (12 units or more), then it is likely that something in your life will suffer. This may include 1) your grades, 2) your job, 3) your health, and/or 4) your relationship with friends and family.**

Exam Study guide: I have provided a study guide for the first exam. This is very typical of the first exam that I have given during the last 25 years. I expect that most of these questions will be familiar.

Exams/Quizzes: Three examinations will be given. None of the scores will be dropped. No make-up examinations will be given.

Grading:

Midterms	450 points (approximate)
Final (comprehensive)	200 points (approximate)
Laboratory	350 points (approximate)

The grade for the course will be assigned as follows:

91-100% = A	88-90.9 = A-	85-87.9 = B+	80-84.9 = B	77% - 79.9 = B-
72-76.9 = C+	62-71.9 = C	50-61.9 = D	Below 50% F	

Students with a score of 95% or greater just prior to the final exam will be granted an A for the course and are excused from the final.

Cheating: The **minimum** penalty for cheating on an exam, or plagiarism in the lab, is the assignment of a zero on the assignment in question. In addition, the grade for the course will be lowered by one full letter grade.. The matter will be referred to the DeAnza administration for appropriate action and possible further discipline. YOU are responsible for understanding the De Anza Academic Integrity policy

Attendance: I will drop any individual that is not present at the first or second scheduled class meeting. It is your responsibility to insure that you have properly dropped this course. **Your work load, course load, transportation difficulties are all avoidable! The message: You must be academically prepared and be committed to this class. The failure rate for this class is typically approximately 30%.** The common reasons are 1) lack of academic preparation (usually poor algebra skills), 2) lack of study time, or 3) too heavy a course load.

It will be rare (hopefully not at all) that I arrive late for class. I expect the same from you.

Miscellaneous: Cellular phones must be turned off and put away during lecture . ONLY NON-PROGRAMMABLE calculators s are allowed during quizzes and examinations. That is The TI 84/85 series or similar calculators MAY NOT be used.

Student Learning Outcome(s):

*Identify and explain trends in the periodic table.
*Construct balanced reaction equations and illustrate principles of stoichiometry.
*Apply the first law of thermodynamics to chemical reactions.