

## Chemistry 1A Greensheet

- Instructor: Michael Lane  
Office Hours: MW 5:20 - 6:00; 7:15 - 7:30, TH 8:00 - 9:00 via Zoom. Winter 2024  
E-mail: [LaneMichael@fhda.edu](mailto:LaneMichael@fhda.edu)
- Required Text: Silberberg, Chemistry, The Molecular Nature of Matter and Change, 9<sup>th</sup> edition. (The 7<sup>th</sup> & 8<sup>th</sup> 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. Each homework assignment will be worth a total of 10 points. Five of these points will be assigned for completeness, and properly show all work and units. Five points will be assigned for the correct answers to any additional questions assigned. All HW must be submitted via a single pdf into Canvas. I strongly suggest the use of Genius Scan or similar.
- 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 30 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 |                 |
- 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. 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 ensure that you have properly dropped this course. **Your workload, 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.

**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.

**Office Hours:**

In-Person	Faculty office area - 2nd floor Science building	T,TH	5:20 PM	6:00 PM
In-Person	Faculty office area - 2nd floor Science building	T,TH	7:15 PM	7:30 PM
Zoom		W	8:00 PM	9:00 PM