

Chemistry 1A Greensheet

Instructor: Michael Lane
Office Hours: Mon/Wed 5:30 - 6:00; T/TH 6:45 - 7:30
Fall 2019
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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 the 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. Most of the questions on this study guide should be familiar to you. If they are not, then it is likely that you are not ready for this course.

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	

Requests for review of exam or quiz: If you believe that I have added points incorrectly or did not provide sufficient credit, then follow the procedure below:

- 1) Thoroughly review the key!
- 2) Attach a separate piece of paper to the top of the quiz or exam
- 3) Describe what I need to review. i.e. did I total points incorrectly? should additional partial credit be provided (specify the question #) and why, etc.
- 4) Turn in the exam/quiz within one week (but not the day I returned it).
- 5) After one week, no adjustments will be made.

Remember, I may provide additional points if warranted. However, if your answer is full of incorrect statements or I find additional problems, I may also take off more points if warranted. So, please review your answer and the key completely.

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 may drop any individual that is not present at the first scheduled class meeting or is 15 minutes late to the second 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 are allowed during quizzes and examinations. That is, the TI 84/85 series or similar calculators MAY NOT be used. As we regularly have quizzes or exams, I strongly recommend that you always bring your calculator with you.

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.