

Greensheet

Chemistry 1B General Chemistry
Instructor: Michael Lane

Summer 2019
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Office Hours By appt.

Required Text: Silberberg, Chemistry; The Molecular Nature of Matter and Change, Eighth edition. The 6th and 7th editions are very similar. If you use one of these versions, then you are responsible to compare it to the 8th edition.

Prerequisites: Chemistry 1A

This course is a descriptive course in general chemistry. **Knowledge of the algebraic rules applicable to exponents, logarithms and quadratic equations are especially important.** I will not review these algebra skills in class.

Course Transfer: If you have taken Chemistry 1A elsewhere or expect to take Chemistry 1C elsewhere, please verify with your academic counselor or advisor that the courses will transfer as necessary and desired. While the entirety of 1st year general chemistry is basically the same at most institutions, the order of material can vary significantly. As a result, you may end up missing material and or duplicating material if you take courses at multiple institutions

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

Homework: You can not expect to do well in this class without doing a significant number of problems. Problems similar to the homework will routinely show up on in class exams. The completion of the assigned homework will be given a maximum of 10 extra credit points for the entire quarter. The completion of 90+% of the end of chapter problems in the text will be given an additional 10 extra credit points. i.e. the maximum extra credit available for the entire course is 20 points. **Homework does not need to be typed. However, illegible homework will be returned ungraded.**

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

Grading: Midterms 3 x approximately 140 pts (Total = ca. 420)
Final (comprehensive) approximately 180 pts
Laboratory approximately 350 pts

The grade for the course will be assigned as follows:

90-100% = A 87-89.9 = A- 84-86.9 = B+ 79-83.9 = B 76% - 78.9 = B-
72-75.9 = C+ 62-71.9 = C 50-59.9 = D Below 50% F

I may lower the scores necessary to achieve a given grade. However, I will not raise them.

Cheating: The minimum penalty for cheating on exams, or plagiarism in the lab will result in a zero on the assignment in question. The matter will be referred to the DeAnza administration for possible further discipline.

Attendance: I will drop any individual that is not present at the first or second scheduled class meeting. Subsequent to the second class meeting, permission to drop the course is granted only for verified serious medical conditions or other similarly unavoidable circumstances. **Your work load, course**

load, transportation difficulties are all avoidable! Anything that does not require hospitalization is likely not a serious medical condition

Miscellaneous: Cellular phones must be on silent mode and put away during the lecture unless specific permission is otherwise given

Calculators: Programmable calculators (i.e. Ti 84/85 series and similar) are NOT allowed during exams & quizzes.

My performance:

- All exams will be returned within two class meetings, usually the next class meeting.
- All homework or other assignments turned in on time will be returned within two class meetings.
- I will show up on time.
- Communication - I will return all e-mail within two days.
 - Please do not leave voicemails
- Handouts and similar will be distributed to the e-mail that you have on file with DeAnza. Occasionally, I will prepare hard copies for in class distribution.
- Ignore any class cancellation signs that may be posted.

Student Learning Outcome(s):

*Evaluate the principles of molecular kinetics.

*Apply principles of chemical equilibrium to chemical reactions.

*Apply the second and third laws of thermodynamics to chemical reactions.