



Instructor:

Dr. Cinzia Muzzi

Phone: 408-864-5790 (I only receive messages at this number)

Meeting Times:

Lab In-Person

Monday-Thursday Lab, 8:30 AM-11:20 AM **Room: SC2204***

Zoom Lecture

Monday-Thursday Lecture: 11:30 AM-12:45 PM

***Campus Map: Click here for link**  (<https://www.deanza.edu/maps-and-tours/documents/campus-map-01.22.2020.pdf>).

How to Contact Me:

Email

I generally am able to answer emails within 24 hours Monday-Friday between 8:00AM-5:00PM. Emails sometimes may take up to 48 hours for a response. Please note that I may not answer email on the weekends depending on time and internet availability.

Always use the **In Box** in the lefthand tool bar to send emails. When you communicate through the **In Box** I am sure to see your email. Otherwise your email potentially could be lost in the 25-75 emails I receive per day at my general email address. If for some reason you need to email me outside of Canvas, my email address is muzzicinzia@fhda.edu (<mailto:muzzicinzia@fhda.edu>).



Course Information:

This class is divided into two separate instructional periods: a **lecture period** devoted to the primary course material and a **lab period** for conducting lab experiments (which are **in-person**). One registration code automatically enrolls you in both periods. Everyone will have the same lecture period, but the same lab period. **At De Anza College the lab and lecture cannot be taken as separate courses under any circumstances.**

Required Materials:

- **Chemistry: The Molecular Nature of Matter and Change, 9th edition by Martin Silberberg** (McGraw-Hill)
 - Chapters and Appendices for Chem 1B Only (\$30) ISBN: 9781307600964 (Follow the directions in the Getting Started Module to obtain this version of the text).
 - Access to the complete text, 1 year access (\$90)

ISBN:1260477371 (obtained by signing in through the link below)

<https://connect.mheducation.com/class/c-muzzi-all-sections> 
(<https://connect.mheducation.com/class/c-muzzi-all-sections>)
 - You can also look for a used text on Amazon or any other retailer. The 8th edition should be fine as well.
- **Scientific Calculator:** This should have at least log and exponential functions is required (~ \$25). Graphing calculators are fine also, but not required.
- **Laboratory Notebook:** You will be shown some examples during the first day of class, but I recommend this one from [Amazon](https://www.amazon.com/National-Computation-Notebook-Inches-43648/dp/B00007LV4B/ref=sr_1_14?crid=6YE4P3POQ31K&keywords=laboratory%2Bnotebook&qid=1663703554&srefix=laboratory%2Bn14&th=1)  (https://www.amazon.com/National-Computation-Notebook-Inches-43648/dp/B00007LV4B/ref=sr_1_14?crid=6YE4P3POQ31K&keywords=laboratory%2Bnotebook&qid=1663703554&srefix=laboratory%2Bn14&th=1)
- **Aktiv Chemistry Subscription** (\$26.00): This is the on-line system we will use for quizzes and extra-credit Breakout Room Activities.
- **Latex or Nitrile Gloves:** These are no longer supplied by the college, but they are required to work in the lab. You can purchase these at any drug store/pharmacy. These are the same gloves used at the doctor or dentist office.
- **Laboratory Safety Goggles** (\$25.99). These must be purchased from the De Azna bookstore to meet specifications required for chemical safety (Indirect Vent, Z87). Lab goggles are available to use in the lab, but they are not disinfected. You can bring alcohol wipes to clean the campus goggles or you can purchase your own.
- **Masks:** Although we are past any Covid county restrictions, masks are required in the lab. While we have some available in the lab, please try to bring your own.
- Any device that will allow you to browse the web and take photos, preferably a tablet or computer.
- Google Chrome or Firefox Web Browser

- Any App that will allow you to convert photos to **pdf files**. See the end of the syllabus. Genius Scan, CamScan, and Notes (Apple) are free, easy options.

Registration, Attendance, and Conduct Policy:

Registration: Enrollment in each section is strictly limited to 30 students per section. Class spaces are filled in accordance with the official class roster from Admission and Records, followed by the official wait list. Any errors with registration or status must be addressed directly to Admission and Records.

Attendance: Lecture is offered synchronously via Zoom. Lab is in-person on the De Anza campus and attendance is expected during all lectures and all laboratory periods.

Dropping the Course: If you choose to drop the course **at any point** during the quarter, it is **your** responsibility to withdraw from the course through MyPortal by the appropriate deadline.

Conduct: Students are also expected to abide by the Academic Integrity policy as outlined in the De Anza College catalog at all times. Students caught cheating or plagiarizing on any assignment will be expelled from the course and receive a grade of "F." If collusion between students to cheat can be demonstrated, each student will receive this same penalty.

Class Grade Format:

Grading and Exam Schedule (Exam dates are tentative):

- Lecture Exams (200 points) (The lowest exam score will be dropped) **400 pt**
- Final Exam **300 pt**
- Aktiv Chemistry Quizzes (The lowest score will be dropped) **140 pt**
- Lab Preps (10 points each) (Lowest score will be dropped) **80 pt**
- Laboratory Reports (20 pt each)(Lowest score will be dropped) **140 pt**
- Lab Exam **60 pt**
- Total Possible Points : **1120 pt**

Grade Scale:

<u>% of Total Points Possible</u>	<u>Grade</u>
92-97	A
89 - 91	A-
85 - 88	B +

82 - 84	B
79 - 81	B-
75 - 78	C +
68 - 74	C
64 - 67	D +
61 - 63	D
58 - 60	D-
less than 58%	F

Dr. Muzzi reserves the right to change exam and quiz dates as well as modify the grade scale at any point during the quarter.

Lecture Schedule, Homework Assignments, Quizzes

Students should plan to read 1-1.5 chapters per week. Aktiv Chemistry Quizzes will be assigned each week through the on-line platform. These quizzes are meant for you to do a self-assessment after you complete the **end-of-chapter odd** problems in the textbook. The Aktiv Chemistry Quizzes ARE NOT COMPREHENSIVE. This means that they do not cover every topic or type of calculation that we will cover on an exam. **To do well on a Quiz or an Exam you should...**

1. **Read** each chapter carefully before attending Zoom Lecture. Not every detail will be covered in lecture, but you are still expected to understand the whole chapter.
2. Do the **red end-of-chapter problems** at the end of each chapter up to (but not including) the Comprehensive Problems section. If you feel you have a particular concept down, it is not necessary to do every red problem, but do practice the end-of-chapter red problems before you attempt the Aktiv Chem Quiz. Solutions to the textbook problems are found in the Appendix.
3. **DO NOT FALL BEHIND WITH THE READING OR HOMEWORK!!** This is the number one mistake you can make. Concepts in chemistry are like building blocks. Initially, you learn one topic to build up to larger concepts. If you are shaky on a topic early on, your whole foundation will be unstable. To avoid this, try to read ahead of the scheduled lecture topics and keep up with the homework.

Each Aktiv Chemistry Quiz is worth 20 points and your lowest quiz score will be dropped.
No late assignments will be accepted.

Lecture Exams and Final Exam:

There are three lecture exams and one final exam. Material covered in lecture, in the assigned reading, end-of-chapter problems in the textbook and on Aktiv Chemistry Quizzes will be on the exam. Each lecture exam is worth 200 points. **Only your top two lecture exam scores will count as part of your overall course grade. No early, late, or make-up exams will be given.**

The final exam is **cumulative** and is worth 300 points. The final exam is **not** one of the exam scores that may be dropped out of your overall course score.

Any missed exams or assignments due to Covid or other absences will become your allotted drop score in the corresponding category. There are no provisions for make-up exams or labs, and it is your responsibility to be up to date on the material covered by any missed exam or lab session.

If you feel that any of your exams are graded incorrectly, you are always welcome to submit the exam for a **complete re-grade by the end of the lecture or laboratory period on the day the exam is returned.**

The date for the final exam is listed on the Tentative Schedule. This date and time are set by the college. No early, late or make-up finals will be given.

Laboratory

Students are expected to attend **all** laboratory sessions **in-person**.

If you have a medical emergency or some other emergency that prevents you from attending lab, you will be asked to supply written documentation. Be sure to contact the instructor as soon as possible if you miss a lab session.

If you miss more than 4 lab periods or do not turn in 4 or more lab reports for any reason, then you must either Withdraw by the college deadline or receive an F in the course. This is a lab course and lab attendance and lab work are required.

Pre-Lab Assignments and Laboratory Reports:

Laboratory experiments are conducted **in-person on campus in lab four times a week**. Students are expected to attend all lab sessions. Lab reports consist of formal reports and/or worksheets. All reports are turned in as pdf files through Canvas. Details regarding the report format will be provided in lab.

Prior to lab attendance students are required to complete a pre-lab assignment in their laboratory notebook. Details regarding the pre-lab assignment format will be provided in lab.

Only your top seven 20-point lab reports will count as part of your overall course grade. No make-up lab work or reports will be allowed or accepted.

Only your top eight 10-point pre-lab assignments will count as part of your overall course grade. No make-up pre-labs are allowed or accepted. You will also not be allowed to attend lab without the pre-lab assignment being completed. This also means that a score of zero will also be assigned for the lab report.

Laboratory Final

There is one laboratory final for this course worth 60 points. The laboratory exam will be given during your regularly assigned laboratory sessions at the end of the quarter. **No early, late or make-up lab exams will be given and all lab exam scores will count toward your overall course grade.**

Instructions for Converting Photos to pdf Files

There are numerous apps that allow you to convert a photo to a pdf file easily. Some are free and some are not. Pdf files are what you will be uploading to Canvas for the pre-lab assignments and laboratory reports. You may choose any app that fits your budget and privacy level. As with any App some collect information that you may or may not be willing to share. Examples of apps are **Adobe Scan, Cam Scanner, GeniusScan etc.**

If you have an **iPhone**, the **Notes App** will allow you to create pdf files.

1. Launch the Notes App.
2. Tap the New Note button in the lower right.
3. Hit the photo icon.
4. Choose Scan Documents from the list of pop ups.
5. Line up the document you wish to scan in the view.
6. You'll see a yellow rectangle over the document, and if you hold your iPhone or iPad steady, it should take the photo automatically. If not, you can press the shutter button.
7. The scan will move down to the lower left; you can tap it to see how it came out, and then press *Done* or *Retake* at the top of the screen. To make a single multi-page document, just keep taking scans of additional pages. When you're done, press the *Save* button in the lower-right, which will show how many pages you've scanned.

8. You can then press the share button in the upper left corner and email the pdf file to yourself or choose the Save to File and upload the document to Canvas by using the Canvas App.

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.