

Course Syllabus

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Instructor:

Dr. Cinzia Muzzi

Phone: 408-864-5790

Office: SC1224

Class Times:

Zoom Lecture Sections 01Y and 02Y

Tuesday and Thursday Lecture: 9:30 AM-11:20 AM

Section 23

Tuesday Lab: 11:30 AM-2:20 PM, Location: SC2208

Section 24

Thursday Lab: 11:30 AM-2:20 PM, Location: SC2208

Office Hours/How to Contact me:

Zoom/ In-Person Office Hour

MW 11:30AM-12:20 PM

TTh 8:30 AM-9:20 AM

You are welcome to visit me in person for office hours in SC 1224, but you also have the option of attending via Zoom. There is a link for Zoom Office Hours found in each weekly module. Please use that link to join office hours. You will be placed in a waiting room initially and then be admitted to office hours one at a time.

Email

Outside of Office Hours 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 if you email on a Tuesday or Thursday where I am in on-line class most of the day. 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 +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 \(mailto:muzzicinzia@fhda.edu\)](mailto:muzzicinzia@fhda.edu)

Course Information:

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

Required Materials:

1. **Introduction to Chemistry, 5th edition** by **Bauer, Birk, and Marks** (McGraw-Hill). Directions for obtaining the electronic version of this book are found in the **Getting Started** module. ISBN: 9781307601633 (\$30). You can also try to find a used version of the book on Amazon or any used book retailer.
2. A scientific calculator that has at least log and exponential functions is required (~ \$25). Graphing calculators are fine also, but not required.
3. **Aktiv Chem Subscription** (\$26.00) This is an on-line practice problem system that we will be utilizing for the course for in-class activities and on-line quizzes. Directions for logging into and purchasing a subscription are found in the **Getting Started** module.
4. **Laboratory Safety Goggles** (\$25.99). These must be purchased from the De Azna bookstore to meet specifications required for chemical safety ((Indirect Vent, Z87). Here is a [link !\[\]\(c6a8736a601a632e2c96605cf66055ed_img.jpg\)](https://www.bkstr.com/deanzastore/product/uvex-stealth-goggles-gray-gray-802632-1) (<https://www.bkstr.com/deanzastore/product/uvex-stealth-goggles-gray-gray-802632-1>) to the goggles.
5. Any device that will allow you to browse the web and take photos, preferably a tablet or computer.

6. **Any App that will allow you to convert photos to pdf files. You must be able to do this efficiently and effectively!!!** See the end of the syllabus.
7. **Preparation for General Chemistry laboratory manual listed for Chem 25.** This is a custom lab manual that can only be purchased at the De Anza Bookstore. Make certain to buy the version listed for Chem 25. Here is a [link](https://www.bkstr.com/deanzastore/product/preparation-for-general-chemistry-14770-1)  (<https://www.bkstr.com/deanzastore/product/preparation-for-general-chemistry-14770-1>). ISBN: 9781307817706 (\$43.25)
8. **CDC approved face masks** for both lecture and lab are required. The college is no longer supplying masks for personal use, but we will be wearing them during lab and lecture.

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 will be provided via Zoom. Lab is **in person** on 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) (Lowest exam score will be dropped) **ALL LECTURE EXAMS ARE IN-PERSON 400 pt**
- Final Exam **IN-PERSON 300 pt**
- Aktiv Chem Quizzes (20 pt each) (Lowest score will be dropped) **180 pt**
- Pre-lab Assignments (10 points each) (Lowest score will be dropped) **90 pt**
- Laboratory Reports (20 pt each) (Lowest score will be dropped) **160 pt**
- Lab Exam **70 pt**

■ Total Possible Points : **1200 pt**

Grade Scale:

<u>% of Total Points Possible</u>	<u>Grade</u>
98-100	A+
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.

Homework Assignments and Aktiv Chem Quizzes

Students should plan to read 1.5-2 chapters per week. Homework from the textbook is assigned each week, but not collected. These assignments will be posted in each weeks module. You should complete these assignments before attempting the Aktiv Chem Quizzes that are assigned each week. Aktiv Chem Quizzes will be assigned each week through an on-line platform. These are quizzes (10-15 problems or so) meant for you to do a self-assessment after you complete the **end-of-chapter odd** homework problems. The Aktiv Chem 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 Aktiv Chem Quiz or 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 **odd-numbered practice problems** at the end of each chapter as assigned.
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 Chem is worth 20 points and your lowest quiz score will be dropped. The quiz is timed and must be completed by the due date. Once the quiz has started, you must complete it in the allotted time (usually about 30-60 minutes). No late quizzes will be given. If you miss a quiz or have technical difficulty it will become your dropped score.

Lecture and Final Exams:

There are three lecture exams and one final exam. Material covered in lecture, in the assigned reading, end-of-chapter problems and on Aktiv Chem 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.

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

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. It is your responsibility to be up to date on the material covered by any missed exam or lab session.

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.

ALL EXAMS ARE IN-PERSON INCLUDING THE FINAL EXAM!! See the Tentative Schedule on the Modules Page for dates.

Laboratory

Labs are in person once a week. Students are expected to attend **all** laboratory sessions.

If you miss more than 3 lab periods due to Covid then you must either withdraw from the course (if it is before the withdraw deadline or request an extended withdraw) or receive an F in the course. If you miss 3 or more lab periods for any other reason (whether excused or unexcused), then you must either withdraw from the course or receive an automatic grade of F for the course. This is a lab course and lab attendance is required. Any absences must have supporting written documentation or notices from Health Services, Police Reports, etc.

Lab reports are worth 20 points each with the lowest score dropped. **No early, late, or make-up labs will be allowed.**

Laboratory Exam

There is one laboratory exam for this course worth 80 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.

Course Summary:

Date	Details	Due
Sun Oct 1, 2023	  Academic Integrity Contract https://deanza.instructure.com/courses/31319/assignments/973556	due by 11:59pm
Sun Oct 1, 2023	  ACS Safety Training Completion Certificate https://deanza.instructure.com/courses/31319/assignments/973557	due by 11:59pm
Mon Oct 2, 2023	  De Anza Chemistry Laboratory Safety Document https://deanza.instructure.com/courses/31319/assignments/973563	due by 11:59pm
Mon Oct 2, 2023	  Measurements Pre-lab https://deanza.instructure.com/courses/31319/assignments/973577	due by 11:59pm
	 Covalent Compounds Lab Report https://deanza.instructure.com/courses/31319/assignments/973561	
	 Covalent Compounds Pre-Lab https://deanza.instructure.com/courses/31319/assignments/973562	
	 Exam 1 https://deanza.instructure.com/courses/31319/assignments/973568	
	 Exam 2 https://deanza.instructure.com/courses/31319/assignments/973569	
	 Exam 3 https://deanza.instructure.com/courses/31319/assignments/973570	
	 Extra Credit	

Date	Details	Due
	(https://deanza.instructure.com/courses/31319/assignments/973571)	
	 Final Exam (https://deanza.instructure.com/courses/31319/assignments/973572)	
	 Lab Final (https://deanza.instructure.com/courses/31319/assignments/973575)	
	 Molar Volume Lab Report (https://deanza.instructure.com/courses/31319/assignments/973578)	
	 Molar Volume Pre-Lab (https://deanza.instructure.com/courses/31319/assignments/973579)	
	 Roll Call Attendance (https://deanza.instructure.com/courses/31319/assignments/973593)	
	 Titration Lab Report (https://deanza.instructure.com/courses/31319/assignments/973594)	
	 Titration Pre-Lab (https://deanza.instructure.com/courses/31319/assignments/973595)	
	  Atomic Structure Lab Report (https://deanza.instructure.com/courses/31319/assignments/973559)	
	  Atomic Structure Pre-Lab (https://deanza.instructure.com/courses/31319/assignments/973560)	
	  Empirical Formula of a Hydrate Lab Report (https://deanza.instructure.com/courses/31319/assignments/973566)	
	  Empirical Formula of a Hydrate Lab Prep (https://deanza.instructure.com/courses/31319/assignments/973567)	
	  Ionic Compounds Lab Report (https://deanza.instructure.com/courses/31319/assignments/973573)	

Date	Details	Due
	  <u>Ionic Compounds Pre-Lab</u> (https://deanza.instructure.com/courses/31319/assignments/973574)	
	  <u>Measurements Lab Report</u> (https://deanza.instructure.com/courses/31319/assignments/973576)	
	  <u>Reactions Lab Report</u> (https://deanza.instructure.com/courses/31319/assignments/973590)	
	  <u>Reactions Pre-Lab</u> (https://deanza.instructure.com/courses/31319/assignments/973591)	
	  <u>Density Lab Report</u> (https://deanza.instructure.com/courses/31319/assignments/973564)	
	  <u>Density Pre-Lab</u> (https://deanza.instructure.com/courses/31319/assignments/973565)	

Student Learning Outcome(s):

- Assess the fundamental concepts of modern atomic and molecular theory.
- Evaluate the standard classes of chemical reactions.
- Demonstrate a fundamental understanding of mathematical concepts pertaining to chemical experimentation and calculations.

Office Hours:

Zoom,In-Person	SC1224	M,W	11:30 AM	12:30 PM
Zoom,In-Person	SC1224	T,TH	8:30 AM	9:30 AM