

F24 CHEM D025 Prep For General Chemistry 23, 24 Muzzi 23000, 27697



Instructor:

Dr. Cinzia Muzzi

Phone: 408-864-5790 (messages only)

Office: SC1224

Class Times:

Lecture Sections 23 and 44

Tuesday and Thursday Lecture: 9:30 AM-11:20 AM, Location: Forum 1

Section 23 (CRN: 23000)

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

Section 24 (CRN: 27697)

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

Office Hours/Contact Info:

In-Person Office Hour

MW 2:30PM-3:30 PM Location: SC1224

TTH 8:30AM-9:30AM Location: SC1224

You are welcome to visit me in person for office hours in SC 1224. I have office hours every day Monday through Thursday.

Email

Outside of Office Hours, I generally can answer emails within 24 hours Monday-Friday between 8:00 AM-5:00 PM. Emails sometimes take up to 48 hours for a response during the week. Please note that I may not answer emails on the weekends depending on time and internet availability.


Always use the **In Box** in the lefthand toolbar 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; Tro. 7th ed.** Directions for obtaining the electronic version of this book are found in the **Getting Started** module. ISBN: **0135402220** (\$40). 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. **Laboratory Safety Goggles** (\$25.99). These must be purchased from the De Anza bookstore to meet the specifications required for chemical safety (Indirect Vent, ANSI Z87+ and CSA Z94.3). They are also available on [Amazon](https://www.amazon.com/Uvex-Stealth-Uvextreme-Anti-Fog-S39610C/dp/B000BQUTQS/ref=sr_1_5?crid=1J43N7TP41NGE&keywords=Honeywell%2BSafety%2BProducts%2BUvex%2BStealth%2BChem%2BSplash%2BGoggles%2C%2BGrey&qid=1702500262&prefix=honeywell%2Bsafety%2Bproducts%2BUvex%2BSplash%2Bgoggles%2C%2Bgrey%2Caps%2C176&sr=8-5&th=1) [. \(https://www.amazon.com/Uvex-Stealth-Uvextreme-Anti-Fog-S39610C/dp/B000BQUTQS/ref=sr_1_5?crid=1J43N7TP41NGE&keywords=Honeywell%2BSafety%2BProducts%2BUvex%2BStealth%2BChem%2BSplash%2BGoggles%2C%2BGrey&qid=1702500262&prefix=honeywell%2Bsafety%2Bproducts%2BUvex%2BSplash%2Bgoggles%2C%2Bgrey%2Caps%2C176&sr=8-5&th=1\)](https://www.amazon.com/Uvex-Stealth-Uvextreme-Anti-Fog-S39610C/dp/B000BQUTQS/ref=sr_1_5?crid=1J43N7TP41NGE&keywords=Honeywell%2BSafety%2BProducts%2BUvex%2BStealth%2BChem%2BSplash%2BGoggles%2C%2BGrey&qid=1702500262&prefix=honeywell%2Bsafety%2Bproducts%2BUvex%2BSplash%2Bgoggles%2C%2Bgrey%2Caps%2C176&sr=8-5&th=1).
4. Any device that will allow you to browse the web and take photos, preferably a tablet or computer.
5. **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.

6. **Preparation for General Chemistry laboratory manual listed for Chem 25 at the De Anza Bookstore.** 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).

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 in-person on campus. 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**
- Quizzes (20 pt each) (Lowest score will be dropped) **180 pt**
- Pre-lab/lab-prep 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 and Quizzes

Students should plan to read 1.5-2 chapters per week. Homework from the textbook is assigned, but not collected. The homework is the odd-numbered **end-of-chapter** problems from the textbook. The solutions to these problems are found in the Appendix at the end of the e-textbook. You should attempt these problems before you attempt the weekly Quiz. The weekly quizzes (15-20 problems or so) are meant for you to do a self-assessment after you complete the **end-of-chapter odd** homework problems. The quizzes ARE NOT COMPREHENSIVE. This means that they do not cover every topic or type of calculation that we will cover on an exam, but they should help you in preparing and practicing for an exam.

To do well on a Quiz or Exam you should...

1. **Read** each chapter carefully before attending the lecture. Not every detail will be covered in the lecture, but you are still expected to understand the whole chapter.

2. Do the **odd-numbered practice problems** at the end of each chapter. If a problem consists of multiple parts (a, b,c, d, etc). It is not necessary to do every part as long as you feel that you have understood the concept and calculations sufficiently.
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, read ahead of the scheduled lecture topics and keep up with the homework.

Each Quiz 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. The material covered in the lecture, in the assigned reading, end-of-chapter problems, and on 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. Each lab has an accompanying **pre-lab and lab report** that must be submitted in order to receive credit. You can not receive credit for a lab experiment that you did not physically perform in the lab.







If you miss 3 or more lab periods from either excused or unexcused absences, an automatic F will be assigned for the course. You have the option to withdraw from the course only if the official class withdrawal date has not passed. After that time a grade of F for the course will be assigned with 3 or more absences. Any absences must have supporting written documentation or notices from Health Services, Police Reports, etc.














Lab preps are worth 10 points each with the lowest score dropped. Lab reports are worth 20 points each with the lowest score dropped. No early, late, or make-up lab preps or lab reports will be allowed.















Laboratory Exam


















There is one laboratory exam for this course worth 70 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.

Course Summary:

Date	Details	Due
Thu Sep 26, 2024	 CH 1 PRELECTURE The Molecular World (https://deanza.instructure.com/courses/36676/assignments/1178263)	due by 11:59pm
Fri Sep 27, 2024	 Quiz 1-Introduction to Using Mastering Chem (https://deanza.instructure.com/courses/36676/assignments/1178297)	due by 11:59pm
Sun Sep 29, 2024	  Academic Integrity Contract (https://deanza.instructure.com/courses/36676/assignments/1176573)	due by 11:59pm
	  ACS Safety Training Completion Certificate (https://deanza.instructure.com/courses/36676/assignments/1176572)	due by 11:59pm

Date	Details	Due
	  <u>De Anza Chemistry Laboratory Safety Document</u> (https://deanza.instructure.com/courses/36676/assignments/1176576)	due by 11:59pm
Mon Sep 30, 2024	  <u>Measurements Pre-lab</u> (https://deanza.instructure.com/courses/36676/assignments/1176582)	due by 11:59pm
Tue Oct 1, 2024	 <u>CH 2 PRELECTURE Significant Figures</u> (https://deanza.instructure.com/courses/36676/assignments/1179605)	due by 11:59pm
Thu Oct 3, 2024	 <u>CH 2 PRELECTURE Unit Conversion</u> (https://deanza.instructure.com/courses/36676/assignments/1179607)	due by 11:59pm
Fri Oct 4, 2024	 <u>CH 2 POSTLECTURE Significant Figures</u> (https://deanza.instructure.com/courses/36676/assignments/1179606)	due by 11:59pm
	 <u>CH 2 POSTLECTURE Unit Conversion</u> (https://deanza.instructure.com/courses/36676/assignments/1179608)	due by 11:59pm
Sun Oct 6, 2024	 <u>Quiz 2-Chapter 2</u> (https://deanza.instructure.com/courses/36676/assignments/1179661)	due by 11:59pm
	  <u>Measurements Lab Report</u> (https://deanza.instructure.com/courses/36676/assignments/1176581)	due by 11:59pm
Mon Oct 7, 2024	  <u>Density Pre-Lab</u> (https://deanza.instructure.com/courses/36676/assignments/1176586)	due by 11:59pm
Tue Oct 8, 2024	 <u>CH 3 PRELECTURE Classifying Matter</u> (https://deanza.instructure.com/courses/36676/assignments/1179664)	due by 11:59pm
Thu Oct 10, 2024	 <u>CH 3 PRELECTURE Heat Capacity</u> (https://deanza.instructure.com/courses/36676/assignments/1179663)	due by 11:59pm
Sun Oct 13, 2024	  <u>Density Lab Report</u> (https://deanza.instructure.com/courses/36676/assignments/1176585)	due by 11:59pm

Date	Details	Due
Mon Oct 14, 2024	  Atomic Structure Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176575)	due by 11:59pm
Tue Oct 15, 2024	 CH 3 POSTLECTURE Classifying Matter (https://deanza.instructure.com/courses/36676/assignments/1180266)	due by 11:59pm
Tue Oct 15, 2024	 CH 3 POSTLECTURE Heat Capacity (https://deanza.instructure.com/courses/36676/assignments/1180332)	due by 11:59pm
Wed Oct 16, 2024	 Quiz 3-Chapter 3 (https://deanza.instructure.com/courses/36676/assignments/1181559)	due by 7pm
Sun Oct 20, 2024	  Atomic Structure Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176574)	due by 11:59pm
	 Covalent Compounds Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176560)	
	 Covalent Compounds Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176561)	
	 Exam 1 (https://deanza.instructure.com/courses/36676/assignments/1176562)	
	 Exam 2 (https://deanza.instructure.com/courses/36676/assignments/1176563)	
	 Exam 3 (https://deanza.instructure.com/courses/36676/assignments/1176564)	
	 Final Exam (https://deanza.instructure.com/courses/36676/assignments/1176565)	
	 Gas Laws Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176566)	

Date	Details	Due
	 Lab Final (https://deanza.instructure.com/courses/36676/assignments/1176567)	
	 Molar Volume Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176568)	
	 Roll Call Attendance (https://deanza.instructure.com/courses/36676/assignments/1176569)	
	 Titration Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176570)	
	 Titration Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176571)	
	  Empirical Formula of a Hydrate Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176577)	
	  Empirical Formula of a Hydrate Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176578)	
	  Ionic Compounds Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176579)	
	  Ionic Compounds Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176580)	
	  Reactions Lab Report (https://deanza.instructure.com/courses/36676/assignments/1176583)	
	  Reactions Pre-Lab (https://deanza.instructure.com/courses/36676/assignments/1176584)	

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:

In-Person	SC1224	M,W	2:30 PM	3:30 PM
In-Person		T,TH	8:30 AM	9:30 AM