Chem 1B, Spring 2025

Instructor:

Dr. Cinzia Muzzi

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

Meeting Times:

Lecture

Monday and Wednesday Lecture: 11:30 AM-12:45 PM, **Forum 1**

ALL LECTURES AND LABS ARE IN-PERSON

Section 1

Monday and Wednesday Lab: 8:30 AM-11:20 AM, Location: **SC2204**

Section 2

Monday and Wednesday Lab: 2:30 PM-5:20 PM, Location: **SC2204**

Office Hours/How to Contact Me:

Office Hour (In-person)

M, W: 1:30PM-2:30 PM, SC 1224

T, Th: 11:30 AM-12:30 PM, SC 1224

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. 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)**

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. 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:

- ***Chemistry: A Molecular Approach, Tro (6th edition) ($40).*** *This is an electronic version and includes the Mastering Chemistry platform which we will use for quizzes and extra credit. More information regarding this textbook can be found in the Getting Started Module. ISGN:* ***0135402263***
- **A scientific calculator** (not your cell phone or computer) that has at least log and exponential functions is required (~ $25). Graphing calculators are fine also, but not required.
- A **laboratory notebook**. You will be shown some examples during the first day of class. This is a required text. You must have a laboratory notebook (**No composition books)**. Here is the version you will need to purchase from **Amazon. (https://www.amazon.com/National-Computation-Notebook-Inches-43648/dp/B00007LV4B/ref=sr_1_14?crid=6YE4P3POQ31K&keywords=laboratory%2Bnotebook&qid=1663703554&sprefix=laboratory%2Bnote14&th=1)**
- **Laboratory Safety Goggles** ($25.99). These must be purchased from the De Anza bookstore to meet specifications required for chemical safety (Indirect Vent, ANSI Z87.1+ 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%2BChemical-Splash%2BGoggles%2C%2BGrey&qid=1702500262&sprefix=honeywell%2Bsafety%2Bproducts%2Buvex splash%2Bgoggles%2C%2Bgrey%2Caps%2C176&sr=8-5&th=1)** .
- 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 in person on campus. Lab is also 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 each) (The lowest exam score will be dropped) **ALL LECTURE EXAMS ARE IN-PERSON** **400 pt**
- Final Exam **THE FINAL EXAM IS IN-PERSON** **300 pt**
- Mastering Quizzes (20 pt each) (lowest score will be dropped) **160 pt**
- Pre-lab Assignments (10 points each) (lowest score will be dropped) **80 pt**
- Laboratory Reports (20 pt each)(Lowest score will be dropped) **180 pt**
- Lab Exam **50 pt**
- Total Possible Points : **1170 pt**

Grade Scale:

% of Total Points Possible	Grade
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/points at any time during the quarter.

Lecture Schedule, Homework Assignments, 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 Exams and Final Exam:

There are three lecture exams and one final exam. The material covered in the lecture, in the assigned reading, and end-of-chapter problems 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. 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 at 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.

ALL EXAMS ARE IN-PERSON INCLUDING THE FINAL EXAM!!

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 in order for the absence to be excused. Be sure to contact the instructor as soon as possible if you miss a lab session.

If you miss 4 or more lab periods at any time during the quarter (excused or unexcused), you will receive an F for the course. This is a lab class and lab participation is required. You do have the option to withdraw from the course if the absences are before the college withdrawal date. Any absences must have supporting written documentation or notices from Health Services, Police Reports, etc.

Pre-Lab Assignments and Laboratory Reports:

Laboratory experiments are conducted **in-person on campus twice 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 eight 10-point pre-lab assignments will count as part of your overall course grade. No make-up pre-lab assignments are accepted. You will also not be allowed to attend lab without the pre-lab assignment being completed. This means that a score of zero will also be assigned for the lab report as well.

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

Laboratory Exam

There is one laboratory exam for this course worth 50 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.**

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.

Office Hours:

SC1224	M,W	1:30 PM - 2:30 PM
SC1224	T,TH	11:30 AM - 12:30 PM