Sp26 CHEM 25 Prep for General Chemistry

Instructor: Dr. Jie Liang

Office hours: Monday, 8:00PM-10:00 PM
Location: https://us04web.zoom.us/j/9412076658?pwd=bf62F0lhy8v2q1y2imOKQ6D3l0YvSa.1Links to an external site. (Password:1234)

Outside of Office Hours, I generally can answer emails within 24 hours.

Email: kikliang0213@gmail.com

Class Times: Sections 62 (CRN: 46992)

Lecture: Monday and Wednesday, 5:30 PM-7:20 PM, Location: G7

Lab: Wednesday, 7:30 PM-10:20 PM, Location: SC2208

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. Introductory Chemistry, 7th edition by Nivaldo J. Tro
   You may purchase the textbook from any source you prefer. Here is one option: https://www.pearson.com/en-us/subject-catalog/p/introductory-chemistry/P200000009745/9780138198411
2. A scientific calculator that has at least log and exponential functions is required.
3. Laboratory Safety Goggles. These are available free in the lab or must be purchased from the De Anza bookstore to meet the 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-AntiFog-S39610C/dp/B000BQUTQS/ref=sr_1_5?crid=1J43N7TP41NGE&keywords=Honeywell%2BSafety%2BProducts%2BUvex%2BStealth%2BChemSplash%2BGoggles%2C%2BGrey&qid=1702500262&sprefix=honeywell%2Bsafety%2Bproducts%2Bu splash%2Bgoggles%2C%2Bgrey%2Caps%2C176&sr=8-5&th=1).
4. Any device that will allow you to browse the web, take photos, and upload files.
5. 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). ISBN: 9781307817706.

Registration, Attendance, and Conduct Policy:

1. 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.
2. For student who are not in the waitlist but interested in enrolling in the class, please check the course waitlist daily until the **first day of my lab** and add yourself to the waitlist as soon as you see an opening. On the first week, try to attend both the lecture and the lab. I will take attendance on the first day of my lab and drop students who are absent without an approved excuse, then add students from the waitlist first in the exact chronological order they joined. If seats remain after all waitlisted students are added, I will then consider adding students who are present but not on the waitlist.
3. Attendance: Lecture will be provided in-person on campus. Lab is in person on campus. Attendance is expected during all lectures and all laboratory periods.
4. 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 (4/19 and 5/29).
5. 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.

Grading and Schedule (tentative):

Monday	Monday	Wednesday	Lab (Wednesday)
April 6th	Chapter 1 & 2	Chapter 3	Check-in
April 13th	Chapter 4	Chapter 5	Measurement
April 20th	Chapter 5	**Exam 1**	Density and Gravity
April 27th	Chapter 6	Chapter 6	Atomic structure & Periodic table
May 4th	Chapter 7	Chapter 7	Ionic compounds
May 11th	Chapter 8	**Exam 2**	Empirical formulas
May 18th	Chapter 9	Chapter 9	Chemical reactions
May 25th	Chapter 11	Chapter 11	Molar volume
Jun 1st	Chapter 13	**Exam 3**	Vinegar analysis
Jun 8th	Chapter 14	Chapter 10	Covalent compounds
Jun 15	Chapter 10	Review	Check-out & lab exam

Jun 22nd	**Final (Jun 22nd, 6:15 pm - 8:15 pm; Location: G7)**

Exam 1	200	400 (drop the lowest one)
Exam 2	200	
Exam 3	200	
Final Exam	300	300
Pre-lab	5 each	50
Laboratory Reports	15 each	150
Lab Exam	100	100
Extra Credit	5 or 10 each	50

Grade Scale: % of Total Grade: 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**

Exams: There are 3 lecture exams (only your top two lecture exam scores will count as part of your overall course grade), 1 laboratory exam, and 1 final exam for this course. No early, late or make-up exams will be given.

Homework: 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 exams.

Extra credit: Take-home assignments (will be delivered via Canvas) and lecture participation (will be delivered via Sign-in sheet). You are encouraged to collaborate with your classmates to complete take-home assignments.

Laboratory:

Students are required 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 2 or more lab periods from 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 2 or more absences. Any absences must have supporting written

documentation or notices from Health Services, Police Reports, etc. You are expected to perform the lab experiments with your partner **but finish your pre-labs and lab reports independently and submit your work individually**.

Pre-lab is due at the beginning of each lab session via Canvas. **No late or make-up pre-lab will be allowed. Late report may be accepted; however, 1 point will be deducted for each day the report is late.**

Lab report is due the Monday after the lab is performed. It must be submitted via Canvas.

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

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M	8:00 PM - 10:00 PM	Zoom