

Course Syllabus

Instructor:

Dr. Cinzia Muzzi

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

Meeting Times:

Lecture

Monday -Thursday Lecture: 11:30 AM-12:45 PM, **SC1102**

ALL LECTURES AND LABS ARE IN-PERSON

Lab

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

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 +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 2e from OpenStax** ([Chemistry 2e](https://openstax.org/books/chemistry-2e/pages/1-introduction) ) (<https://openstax.org/books/chemistry-2e/pages/1-introduction>) this a free on-line text book. Links to this textbook and individual chapters are incorporated at the end of the modules page.
- **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.
- **Aktiv Chem Subscription** (\$26.00). This is the on-line system we will use to do practice problems and quizzes.
- **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 and it can not be a composition book with graph paper. 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&srefix=laboratory%2Bnote14&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%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+ 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&srefix=honeywell%2Bsafety%2Bproducts%2BUvexsplash%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%2BChemical.Splash%2BGoggles%2C%2BGrey&qid=1702500262&srefix=honeywell%2Bsafety%2Bproducts%2BUvexsplash%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**
- Aktiv Chem 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:

<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/points at any time during the quarter.

Lecture Schedule, Homework Assignments, Quizzes

Students should plan to read 1-1.5 chapters per week. Aktiv Chem Quizzes will be assigned each week through an on-line platform. These quizzes are meant for you to do a self-assessment after you complete the **in-chapter and end-of-chapter homework** exercises in the textbook. 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 Quiz or an Exam you should...**

1. **Read** each chapter carefully before attending Lecture. Not every detail will be covered in lecture, but you are still expected to understand the whole chapter.
2. Do the **assigned odd end-of-chapter exercises** at the end of each chapter. If you feel you have a particular concept down, it is not necessary to do every problem, but do practice the end-of-chapter problems before you attempt the Aktiv Chem Quiz. Solutions to the textbook problems are found by clicking on the **blue number** of the problem.
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 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 and on Aktiv Chem 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 for any reason (whether excused or unexcused), then you must either withdraw from the course or receive an automatic grade of F for the course if it is past the withdraw date. 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.

Pre-Lab Assignments and Laboratory Reports:

Laboratory experiments are conducted **in-person 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 eight 10-point pre-lab assignments will count as part of your overall course grade. No make-up pre-lab assignments are allowed or 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 nine 20-point lab reports will count as part of your overall course grade. There are no make-up labs. If you miss a lab period it will become your drop score or a score of zero.

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.**

Student Learning Outcome(s):

- Analyze the definite integral from a graphical, numerical, analytical, and verbal approach, using correct notation and mathematical precision.
- Formulate and use the Fundamental Theorem of Calculus.
- Apply the definite integral in solving problems in analytical geometry and the sciences.