

TONG De Anza College Spring, 2017
Chem 1A General Chemistry 5 units

Books/ Text: Chemistry--Openstax, (2016) Rice University <https://openstax.org/details/chemistry>

Materials: Work Problems: Assignments from the text plus other additional problems

Lab: Gen Chem 1A-1B-1C De Anza Lab Experiments, to be downloaded

Scientific Calculator, & Safety Goggles. <http://deanza.edu/chemistry/>

Chem 1A Primer

Chem1A.html

Prerequisite: Satisfactory grade in Interm. Algebra, Introd. Chem (e.g. i.) High School Chem
plus De Anza Placement Test passed. or ii) Chem 25 passed at De Anza).

Grading:	Approximate	Distribution	Number	Points
Lecture	65%	<u>Assignments</u> from Text & Handouts + <u>Test</u>	150 pt	
		3 Lecture Exam, 150 each	3 X 150 pt	
		with 3 of 4 of the 150 pt counted --->	450 pt	
		<u>& Final Exam (comprehensive) one</u>	<u>200</u>	650 pt
Lab	35%	1 Lab Exam + 1 Lab Final ~200 pt		
		Write-ups + labwork done---participation---Safety ~150		350 pt

88+% A, 78+ % B, 60+% C, 50+% D from a total of -----> 1000 pt
(+ & - grade system is used for course grade) or **100%**

Student progress will be primarily evaluated by tests and exams (~80% of total grade).

There will be no make-ups for missed tests and assignments. The 1st missed exam is automatically dropped. Any other late tests can be considered only if after the first missed test, (a) the student has a legitimate excuse like (medical or accident emergency), (b) prior notice and arrangement have been set up with the instructor, and (c) student is the one to initiate the proper arrangement. In addition, any late exams, if allowed at all, may be subject to 10% to 20% reduction in grade.

The course fulfills the science lab course requirement. Therefore the student must pass the lab portion of the course in order to get credit for the whole course.

Lab safety rules are strictly enforced. Safety goggles **must be worn** at all times when lab experiments are being conducted, otherwise the student has to leave the lab.

Student who *has checked into the lab must check out*, otherwise the De Anza College Grades (all course grades) will be held and not transferable to other colleges.

To be fair to all students, cheating is **not cool**---measures taken will range from no points for the test, dismissal from the class to discipline from the Dean (expel)

Attendance: Each student is expected to be in attendance at all scheduled meetings of **& admin.** the class. It is the student's responsibility to follow up on any missed assignments, handouts, lecture discussions or test schedule changes.

(Make friends fast !) Students who miss more than one week's class will be dropped, and attendance is a factor for students with borderline grades. All lab work not actually conducted will be graded as a zero. It is the student's responsibility to drop the course, otherwise the student (may be you !) can get a **F** grade.

SLO: In Lecture, students will have the exposure to learn the Basics of Chemistry-- Measurements, Periodic Table, compositions of Matter, Calculations, Stoichiometry, Thermochemistry, Atomic Structure, chemical Bonding and Shapes of Molecules and redox

In the Lab, students will learn the basic chemical techniques including weighing, volume reading, heating, working with solutions, titrations, calorimetry, line spectra and molecular modeling

Class Hours: Lecture MTWTh at 2:30 to 3:55 pm in S32
Lab for chem 1A-03 MW 11:30 am to 2:20 pm
Lab for chem 1A-04 TTh 11:30 am to 2:20 pm
Lab Location SC2202

Office Hours: Office Rm 1226 M 2:30 pm T 3:50 pm W 4:30 pm Th 10:30 am

OR during lab period
Phone: (408) 864-8678 & e-mail homertong@fhda.edu

Study Habits: My Expectation: Preview the lecture and lab materials before coming to class. Continual study rather than cramming reflect good study habits and more effective learning.
Taking notes during Lecture and Lab hours will help reviews, especially for exams

Students should devote **at least 2 hours** of uninterrupted study time for (i.e. **quality time**)
every Lecture hour. (According to Carnegie Commission on Higher Education)

student should be able to get a grade of A or B, and if not, there may be missing components in your study/understanding. A student needs to be engaged and work through the problems/principles of the course, and I will be talking to those earning a grade of C or less---so that these students can achieve better success in a college environment. I expect the student to be as concerned about their progress, and we (the particular students and I) may have to work together on areas like math/understanding/English as a foreign language.