

TONG De Anza College **Winter 2016**
Chem 1A General Chemistry 5 units

Books & Text: Silberberg, Chemistry--Molecular Nature of Matter & Change, 7th ed (2015)
Materials: Workbook: Study Guide to the above, recommended. McGraw-Hill (2012)
Lab: Gen Chem 1A-1B-1C De Anza Lab Experimenta, to be downloaded
Scientific Calculator, & Safety Goggles.
Chem 1A Primer

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

| 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</u> (comprehensive) <u>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

Office Hours: Office Rm 1226 MW 4:30 pm TTh 3:20 pm or F 9:30 am
or during lab
Phone: (408) 864-8678 e-mail hjtong@aol.com

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.

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