

De Anza College
CHEMISTRY 30A
MECHANICS OF THE COURSE
Winter '15

Due to the very high demand for this class, any student missing any class (lecture or lab) the first two weeks will automatically be dropped to make room for another student. NO EXCEPTIONS. Be sure to be in class on time. Also any student leaving class early will be dropped.

I. Instruction - Mr. Howard Garnel

OFFICE HOURS – Tues & Thurs 5:00 PM – 5:30 PM

Office Hour Location – SC1, upstairs, faculty offices

E-mail: garnelhoward@deanza.edu

II. Purpose of the Course – The Main Purpose of this course is to give you (the student) a sufficient background in the fundamentals of chemistry in order to pursue careers in the health sciences etc. and to prepare you for Chem 30B.

III. Textbooks - **LEC "Chemistry" (An Introduction to General, Organic and Biological Chemistry), Timberlake , 9th Ed, 10th ,Ed 11th Ed or 12th Ed. (Required)
"Chemistry" (Study Guide and Selected Solutions), 9th Ed, 10th Ed, 11th Ed or 12th Ed. (Optional)**

LAB "Chemistry Lab Manual", Subramaniam (Required)

Other Items Needed – Safety Goggles, and a NON-Programmable (non-graphing) "Scientific" calculator (TI 30A Series recommended) (Needed First day of lecture)

Cell phones my not be used in class as a calculator at any time. If you have a cell phone out in class you will be asked to leave the class.

IV. Grading -	Exams (3)	100 points each
	Quizzes	100 points total
	Final Exam	100 points
	Lab Reports (9)	100 points total
	Lab Final	50 points

Labs will be graded on a 10 point basis. The total number of lab points will then be divided by 0.9 giving a total of 100 points for lab. Semester grades will be based on the total number of points accumulated at the end of the semester, 88% for an A,

78% for a B, 68% for a C and 58% for a D. Grades of incomplete, "I" will be given only for documented extenuating circumstances. These minimum percentages may be lowered at the instructor's discretion, but they will not be raised. It is the **student's responsibility** to keep a record of his/her scores on labs and exams in order to determine his/her standing in the class.

Cheating will not be tolerated in any manner. Any evidence of **dishonesty** in class regarding exams and/or lab reports will be used as a potential basis for **dismissal** from this course with a grade of "F".

**All work turned in to me asking for your name must be in shown as
LAST NAME, FIRST NAME**

V. Labs, Quizzes and Exams -

Labs - There will be **9** experiments that must be completed to obtain a passing grade in this class. In order for you to perform these experiments you must...

- 1. Have your own personal safety goggles.** (Keep these in your lab locker)
- 2. Complete the "Pre-Lab Study Questions" sheet** for that experiment **PRIOR** to the **STARTING TIME** of the lab. These "**Pre-Lab Study Questions Sheets**" are due at **7:30 PM** on the date of the lab. If you are late to lab they will not be accepted for credit. There **will be no time to work on these sheets in class**. The problems on the "**Pre-Lab Study Questions Sheets**" must be **set up and solved** for credit. **No credit** for just the answer **even** if the answer is correct. The "**Pre-Lab Study Questions Sheets**" are worth **2** of the **10** points for each experiment.
- 3. Lab reports** will be due at the **beginning of the next lab (7 days later) at 7:30 PM.**

Late "Lab Reports" will be graded for **half** credit up to one week late. After that they will receive no points. All labs must be completed to receive a passing grade in the course. Lab reports will not be graded for credit after 1 week from the due date. There is no time for making up a lab.

- 4.** In addition the instructor reserves the right to prohibit any student from working in the lab if in the instructor's judgment, a student presents a safety hazard to himself/herself or any other person(s) in the class.
- 5.** In the lab you may work with **one** partner (**ONLY ONE**). Both students are expected to be recording their data throughout the experiment (**NO COPYING YOUR PARTNERS DATA AT THE END OF THE LAB**). Each student is expected to actively participate in performing the entire experiment in the lab.
- 6.** If you are unable to complete an experiment due to absence (for any reason) you may satisfy the requirement for that lab by writing a 2 or 3 page paper on a **full**

feature article (6-8 pages), from **ANY** issue of **Scientific American** on a topic dealing with some **aspect of chemistry**. **Be sure to include a copy of the article with the paper**. The paper is due **one week from the missed lab** and will lose points for being late just like a lab report. The paper must show that you have completely read and comprehend the article. You may also have to discuss the article with the instructor. Only **ONE** missed lab may be made up in this manner. **If a second lab is missed for any reason you will automatically be dropped from the class with a failing grade**. There is no time outside of class for make-up experiments.

7. The last day to turn in **all** lab work is **your last lab** meeting **Tues. Mar. 17 or Thurs Mar. 19**. Lab work will not be graded for credit after that. This includes all lab reports, worksheets and Scientific American Reports (if any).

Quizzes – There will be between 8 and 13 quizzes in lecture. I will drop one quiz (your lowest). If we have 12 or more I will drop your two lowest quizzes. The quizzes will be worth 100 points (**equivalent to one exam**). There are no make-up quizzes. If you miss a quiz for any reason, that will be the quiz that is dropped. If you miss more than one quiz you will receive a zero on any additional quizzes that are missed. This is another reason to attend all classes and be on time. You will not get extra time if you are late to class. Quizzes are **unannounced**, but you should expect one in almost every lecture session. Any questions regarding the grading of a quiz must be presented and resolved on the day that the quiz is returned to you.

Exams – Only NON-programmable (graphing calculators are programmable) Scientific calculators may be used on exams and quizzes. Make-up exams can be given only for **documented** legitimate cause. If you cannot take a scheduled exam, notification must be given to the instructor **prior** to the exam by e-mail (garnelhoward@deanza.edu). Be sure to leave a phone number where I can reach you that day. Unless I approve of your absence a missed exam represents a **zero** and cannot be erased. Arrangements must be made at this time for a make up. Also **no exams will be dropped** in this class (all exams are used to compute your final grade in the class).

- Please do not attempt to **plea bargain** more points on graded papers (**labs & exams**).

VI. Instructional Methods - The class is taught in a lecture-discussion format. Much complex material is contained in this class. In order for you to effectively learn this material it is inherent that you properly prepare for each class. **This includes your reading the material prior to coming to class**. This is a very important part of the

learning process and will significantly enhance your ability to comprehend the material. You should plan on study time of **at least 2 hours** for each hour of lecture for you to be successful in this class. Less than this and you will **NOT** be successful in this class. **It is also imperative that you review and practice the material presented as soon as is possible after each lecture while the material is still fresh in your mind.**

The longer that you wait the more difficult it will be and will require significantly **more total time.** You may even find that you will enjoy the class.

VII. Specific Objectives - Students will be expected to answer questions and solve problems similar to those assigned for this class (text and worksheets).

VIII. Other Items –

- **Tardies** - Excessive tardies (**more than two** for the quarter) may result in a **lowering** of your quarter grade.
- **Attendance** - Students are expected to attend all classes. Excessive absences (**more than two** for the quarter) may result in a **lowering** of your quarter grade. A student may be dropped for absences in excess of 3. See college policy in the **current college catalog**. If a student wishes to drop or withdraw from this class, it is his/her responsibility to complete the drop process **including checking-out in the lab**. If he/she does not do this and is still on the roll at the end of the quarter a grade of "F" will be received in the class. Also I will **not** back date drop slips.
- All **electronic communications & music devices (cell phones, ipods, mp3 players etc.)** must be turned off in both **lecture** and **lab (and no earphone in your ears)**. It is **NOT OK** to leave lecture to answer cell phones. This is disruptive to the class and not fair to your fellow students. **Texting** during class will be grounds for removal from class. Failure to follow these rules will result in **expulsion from this class**. Please do not let this happen.
- Be sure to remove hats, hoods etc in class.
- If a student's behavior is disruptive to the class the instructor may remove the student from the class. If it happens more than once the instructor may drop the student from the class with a grade of "F" in the class.
- Sample student learning outcomes (SLO)
 1. Solve stoichiometric problems by applying appropriate molar relationships.
 2. Predict the behavior of ideal gasses using Kinetic Molecular Theory.
 3. Apply acid-°©-base chemical principles to biological processes.

IX. Final Exam – **Tuesday, March 24, 2015 6:15 to 8:15 PM.** I will not accommodate requests for an alternate date or time.