Chemistry 100 - Introductory Chemistry
Fall 2015

GENERAL INFORMATION

Instructor: Linda Waldman
Office: S-213 Office Hours: M-Th 7:30 am - 8:00am and Mon and Wed 12 noon to 12:30pm
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TEXTS & MATERIALS:
Lecture: (Available at the Cerritos College bookstore)
- Chemistry 100 Lecture Outline, (You will need a three-ring binder for this)
- Chemistry, 9th, 10th, 11th or 12th Edition, Timberlake (recommended)
- Periodic Table of the Elements, Sargent-Welch VWR Scientific Company
- Simple Calculator (non-graphing calculator) may be used on exams.

Laboratory:
Available at the bookstore:
- Goggles: Safety goggles in compliance with ANSI Z87.1-1989 and which have splash protection, as required by California State Law, must be worn at all times in the lab.
- Plastic Lab Apron
Available online at http://cms.cerritos.edu/chemistry/
- Safety in the Chemistry Laboratory and Practice Safety Quiz
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ATTENDANCE: You are expected to attend class regularly and to arrive on time. Attendance will be taken by passing a roll sheet around. If you are late, you are expected to enter the classroom silently, and take the first available seat. If you are late, sign the roll sheet after class.

WITHDRAWAL: If you find it necessary to drop the course, do not just stop attending class. In order to drop the course and receive a “W” grade, you must proceed as follows:
1. Check out of the laboratory and receive a laboratory clearance form. This must be done at your regularly scheduled lab time or by appointment with your lab instructor.
2. Take the laboratory clearance form to the Admissions Office and complete the official withdrawal form.
If you miss three consecutive class meetings you may be dropped from the course. However, you are still responsible for checking out of the laboratory. If you fail to check out, your records will be placed on administrative hold. NOTE: Friday, November 20, 2015 is the last day to withdraw.

GRADING STRUCTURE:
Exercises: (50 points) Thirteen (13) Exercises, each graded on a basis of 10 points, will be collected on the dates indicated by your instructor. At the end of the semester, the lowest Exercise score will be dropped and the total score scaled to 50 points.

Hour Examinations: (400 points) Five one-hour exams, each worth 100 points, will be given. The tentative dates for the first four exams are given in the course outline on the back of this sheet. Exam 5 is just an hour exam and is not comprehensive. At the end of the semester the lowest of the first four exam scores will be dropped. Your score on Exam 5 will not be dropped, even if it is the lowest of your five exam scores.

Missed Exams: No make-up exams will be given. You must take each exam at the time and on the date it is scheduled for your class. NO EXCEPTIONS. Please note that only tentative exam dates are given in the course outline. If you miss one of the first four exams, this will count as the exam that is dropped. All students must take Exam 5.

Grading Scale: 90 – 100% A 80 – 89% B 60 – 79% C 50 – 59% D
Course Grade: Your grade in the course will be computed as follows:
Overall % = (0.75 x lect %) + (0.25 x lab %)
If you fail (average less than 50%) in either the lab or the lecture, you will receive an F in the course.
Cheating: If you cheat in lecture or lab you will receive an F in the course.
### Chemistry 100 Student Learning Outcomes

- Students analyze the fundamental features of inorganic chemistry as it applies to organic and biochemistry including measurement, mathematical interconversion of physical properties such as mass, volume, density, temperature, solutions.

- Students demonstrate knowledge of the qualitative features of inorganic chemistry as it applies to organic and biochemistry including physical and chemical properties, naming and writing chemical formulas of commonly occurring inorganic compounds and evaluating chemical reactions.

- Students differentiate typical acid and base formulas and compare/contrast the behavior associated with acids and bases including the behavior of buffers.

- Students construct and name structures containing common mono-functional organic molecules and differentiate functional groups when they appear in an organic structure, relate the physical and chemical properties of compounds containing these groups with the structure of each functional classification.

- Students distinguish various roles of four major classes of biomolecules in living cells, distinguish and construct key structural features and common reactions of these classes of biomolecules.