



COURSE NAME: Chemistry

GENERAL INFORMATION

Instructor name: Andrea Horgan

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Textbook: *Chemistry, Matters and Change*
by Dingrando, Tallman, Hainen, and
Wistrom (Glencoe/McGraw Hill),
copyrighted 2005 (reading level
appropriate for grades 9 and 10)

COURSE DESCRIPTION

"Chemistry" is a two-semester course covering inorganic chemistry, which is designed to meet the needs of students pursuing a science major in a university or college. The course encompasses the following major areas: Introductory Laboratory Skills, Atomic and Molecular Structure, Chemical Bonds, Conservation of Matter and Stoichiometry, Chemical Thermodynamics, Reaction Rates, Chemical Equilibrium, Acids and Bases, Gases and Their Properties, Liquids, Solids and Solutions, Oxidation and Reduction and Electrochemistry, Organic and Biochemistry, and Nuclear Processes. These major areas will overlap to reemphasize and build a sound foundation. The laboratory portion will correlate with the instructional units of the course.

This course will meet the "a-g" requirements for the University of California. It is also aligned with the California Science Content Standards for chemistry.

Prerequisite for this course:

Math I with a grade of "C" or better and Biology with a "C" or better completed prior to enrolling in this course.

SEMESTER ONE	# OF WEEKS
Unit 1 : Introductory Skills	3
Unit 2: Atomic and molecular structure	3
Unit 3: Chemical Bonds	3
Unit 4: Conservation of Matter and Stoichiometry	4
Unit 5: Gases and their Properties	3
Unit 6: Liquids, Solids and Solutions	2
SEMESTER TWO	# OF WEEKS
Unit 7: Chemical Equilibrium	3
Unit 8: Acids and Bases	3
Unit 9: Chemical Thermodynamics	3
Unit 10: Reaction Rates	3
Unit 11: Nuclear Processes	2
Unit 12: Organic and Biochemistry	2
Unit 13: Oxidation and Reduction and Electrochemistry	2

GRADING

The grading scale is as follows:

Grade	Percent
A	89.5-100%
B	79.5-89.4%
C	69.5-79.4%
D	59.5-69.4%
F	Below 59.4%

The grades will be divided as:

- 30% - Classwork/Homework
- 40% - Tests/Quizzes
- 30% - Labs

MAKEUP WORK

Makeup work will be given if the absence is excused. Students have as many days to make up the work as they were absent. For example, if a student was absent for 3 days, he/she has 3 days to make up the work missed.

If a student is suspended by the administration for any reason, make up work WILL NOT be given to the student. He/she will receive zero credit for any work and/or tests that were missed during the suspension.

LATE WORK

Any late work that is turned in after the due date (that does not qualify as makeup work) will be given half credit.

DAILY AGENDA

Homework check: Students will be given a stamp sheet at the beginning of each unit/chapter. Students will be expected to keep this stamp sheet and turn in on the day of the test. A stamp will be given if the homework is complete and turned in on time.

Daily lesson/lab: Lessons and labs will be based on the unit of study and will include lecture, group work, independent study and group labs.

CLASS RULES AND EXPECTATIONS

- 1. Do only those things which allow you and others to learn.**
- 2. Bring materials necessary for learning.**
 - a. Please bring textbooks to class on the days assigned.
 - b. Bring a pen/pencil and paper to class.
 - c. Labs must be written on graph paper or typed.
 - d. You do not need a separate chemistry binder.
- 3. No food or drinks**
 - a. Because of the nature of the course and exposure of chemicals, food and drinks will not be allowed. Students may bring a water bottle.
- 4. Respect teacher and classmates.**
- 5. Arrive on time.**
 - a. Any tardies will result in an after school detention issued by the administration.