

## General Chemistry I

Chemistry 120

Section: D300

Term: 2009 Fall

Instructor: Dr. G. Mund

Discussion Topics: Atomic structure and chemical bonding; gases, liquids, solids, and solutions; thermochemistry; chemical reactions; periodic properties; stoichiometry. 3 lecture hours/week; one hour tutorials.

Lecture Topics:

Introduction.

Atoms, Molecules and Ions. Ch. 2.

Stoichiometry. Ch. 3.

Chemical Reactions. Ch. 4.

Gases. Ch. 5.

Thermochemistry. Ch. 9.

Atomic Theory. Ch. 12.

MIDTERM EXAM

Bonding Concepts. Ch. 13.

Covalent Bonding Orbitals. Ch. 14.

Liquids and Solids. Ch. 16.

Solutions. Ch. 17.

Grading: 35% Midterm Exam; 10% CAPA Problem Sets; 55% Final Exam.

Required Texts: Steven S. Zumdahl, "Chemical Principles". 6th Edition. 2009. Houghton Mifflin Co.

Recommended Texts: None

Materials/Supplies: Aurex SC6145 Scientific Calculator

Prerequisite/Corequisite: Prerequisite: B.C. High School Chemistry 12 or CHEM 111 (or 101 & 106).

Corequisite: MATH 151(or 154) and PHYS 120 (or 101) are recommended.

Students may not count both CHEM 120 and 121 for credit.

Students may not count both CHEM 121 and (CHEM 102 and 115) for credit.

Notes: None

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