

General Chemistry II

Chemistry 122

Section: D100

Term: 2010 Summer

Instructor: Dr. H.-Z. Yu

Discussion Topics: General Description:

As the second half of General Chemistry, this course will focus on topics including fundamental chemical thermodynamics, kinetics and electrochemistry.

2 lecture hours/week

Topics:

Chemical Equilibrium (Ch 6)

Acids and Bases (Ch 7)

Entropy and Free Energy (Ch 9-10)

Electrochemistry (Ch 11)

Chemical Kinetics (Ch 15)

Grading: Mid-Term Exam 15%; Assignments 10%; i-Clicker questions 10%; Final Exam 65%.

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

Recommended Texts: None

Materials/Supplies: iClicker

Prerequisite/Corequisite: Prerequisite: Chem 121 or 120 (or 102).

Corequisite: Math 152 (or 155) and Phys 121 (or 102) are recommended.

Students who intend to take further courses in physical or inorganic chemistry should take the laboratory course CHEM 126 concurrently with 122. Students may not count both CHEM 122 and CHEM 103 for credit.

Notes: None

General Chemistry II

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.