

Chemistry

Syllabus

Textbook: [Chemistry: Chemistry 9th Edition](#)

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Prerequisites: Biology

Credit: 1

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Course Description:

This course is a laboratory course acceptable for college entry and examines the composition of various substances and the changes they can go through. The periodic table and simple compounds are covered as well as the basics of Chemistry. This is a complete up-to-date course. Textbook online. Live demonstrations.

Attendance login requirements: Students must log into class at the scheduled class time and remain until class ends. Student must attend class 165 days per year.

Homework: Homework assignments will be given at the discretion of the instructor.

Class Participation: All class participation will be online. Instructor will give written feedback on progress and acceptable work directly to student online.

Course Grade Policy:

90-100 average = A

80-89 average = B

70-79 average = c

60-69 average =D

Semester I

[Chapter 1 Chemical Foundations](#)

[Chapter 2 Atoms, Molecules, and Ions](#)

[Chapter 3 Stoichiometry](#)

[Chapter 4 Types of Chemical Reactions](#)

[Chapter 5 Gases](#)

[Chapter 6 Thermochemistry](#)

[Chapter 7 Atomic Structure and Periodicity](#)

[Chapter 8 Bonding General Concepts](#)

[Chapter 9 Covalent Bonding Orbitals](#)

[Chapter 10 Liquids and Solids](#)

[Chapter 11 Properties of Solutions](#)

Mid Term Exam

Semester II

[Chapter 12 Chemical Kinetics](#)

[Chapter 13 Chemical Equilibrium](#)

[Chapter 14 Acids and Bases](#)

[Chapter 15 Acids Base Equilibria](#)

[Chapter 16 Solubility and Complex Ion Equilibria](#)

[Chapter 17 Spontaneity Entropy and Free Energy](#)

[Chapter 18 Electrochemistry](#)

[Chapter 19 The Nucleus A Chemists View](#)

[Chapter 20 The Representative Elements](#)

[Chapter 21 Transition Metals and Coordination Chemistry](#)

[Chapter 22 Organic and Biological Molecules](#)

Final Exam

Lab Science

[Chemistry Lab](#)