

Syllabus: Chemistry B for Credit Recovery

This course serves as a foundation for the study of Chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, real world application all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

Segment II

Module 00 Getting Started

- Things to Know
- Navigation
- Lessons & Assessments
- Course Specifics
- Online Learning 101
- Pace
- Academic Integrity

Module 05 Phases and Solutions

- 05.00 Module Five Pretest
- 05.01 Four Phases of Matter
- 05.02 Phase Changes
- 05.03 Gas Laws
- 05.04 Gas Calculations
- 05.05 Mixtures and Solutions
- 05.06 Solubility and Concentrations
- 05.07 Molarity and Dilution
- 05.08 Discussion-Based Assessment and Module Five Exam

Module 06 Thermochemistry and Rate

- 06.00 Module Six Pretest
- 06.01 Thermochemistry
- 06.02 Endothermic and Exothermic
- 06.03 Calorimetry
- 06.04 Rate and Collision Theory
- 06.05 Discussion-Based Assessment and Module Six Exam

Module 07 Equilibrium and Redox

- 07.00 Module Seven Pretest
- 07.01 Acids and Bases
- 07.02 pH
- 07.03 Equilibrium
- 07.04 Le Châtelier's Principle
- 07.05 Oxidation and Reduction
- 07.06 Half-Life and Radioactive Decay

- 07.07 Fission and Fusion
- 07.08 Discussion-Based Assessment and Module Seven Exam
- 07.09 Segment Two Exam

Course Assessment and Participation Requirements:

To achieve success, students are expected to submit work in each course weekly. To measure learning, students complete self-checks, practice lessons, multiple choice questions, projects, discussion-based assessments, and discussions. Students are expected to maintain regular contact with teachers. When teachers, students, and parents work together, students are successful.