



## COLONEL BY SECONDARY SCHOOL

**DEPARTMENT:** Science

**COURSE NAME:** GRADE 12 UNIVERSITY CHEMISTRY

**COURSE CODE:** SCH 4U

### OVERVIEW

This course enables students to deepen their understanding of chemistry and further develop problem solving and laboratory skills. Students will investigate chemical processes while refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.

**Prerequisite:** SCH 3U; Grade 11 University Chemistry; students who achieved at least 70% can be confident they are well prepared for SCH 4U

**Text:** Chemistry 12, Jenkins, et. al. Replacement cost: \$106.

### UNITS OF STUDY

Structure & Properties of Matter	Energy Changes and Rates of Reaction	
Organic Chemistry	Chemical Systems & Equilibrium	Electrochemistry

### ASSESSMENT & EVALUATION

Assessment and Evaluation will be based on the provincial curriculum expectations. Strategies will be based on both the categories of knowledge and skills (Knowledge, Communication, Thinking, Application) and on the achievement levels. Level 3 represents the provincial standard for achievement of the expectations (70-79%). Level 1 identifies achievement that falls much below the provincial standard while still reflecting a passing grade (50-59%). Level 2 identifies achievement that approaches the standard (60-69%). Level 4 identifies achievement that surpasses the standard (80-100%).

### FINAL GRADE

Seventy percent of the final grade will be based on evaluations conducted throughout the course.

Thirty percent of the grade will be based on summative evaluations evaluated toward the end of the course.