



E. L. Crossley Secondary School SCH 4U – Grade 12 University Chemistry

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Textbook: McGraw-Hill Chemistry 12

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reactions, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem solving and investigation skills as they investigate chemical processes and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of the chemical technology on the environment.

Prerequisite: SCH 3U, Chemistry, Grade 11, University Preparation

- Scientific Investigation Skills and Career Exploration
- Structure and Properties of Matter
- Organic Chemistry
- Energy Changes and Rates of Reaction
- Chemical Systems and Equilibrium
- Electrochemistry

Note: The expectations for Strand A will be incorporated into the delivery of the expectations of the other strands.

Assessment and evaluation in this course will be based on the expectations set out in the provincial curriculum documents. Students will be provided with numerous and varied opportunities to demonstrate the full extent of their achievements. A final grade in the course will be determined as follows:

		Weighting	
Term Evaluation	Tests	25%	70%
	Quizzes	5%	
	Labs	15%	
	Projects	10%	
	Assignments	15%	
Final Evaluation	Exam	25%	30%
	Lab Exam	5%	

Students are evaluated in the following areas:

Knowledge and Understanding
Communication

Thinking and Investigation
Application



Learning skills will not be included in the numeric grade for the course unless they are part of the provincial curriculum expectations for the course. However, development of these skills is critical to academic achievement. Therefore, they will be assessed throughout the course and will be rated separately on the provincial report card:

Responsibility
Organization

Independent Work
Collaboration

Initiative
Self-Regulation



Attendance: Process is an integral part of this course. Skills are taught, practiced and assessed on a daily basis in the classroom. For this reason, daily attendance is crucial for success.

Deadlines: Students at E. L. Crossley often have numerous and varied commitments tied to the school and its programs. Therefore, students are encouraged to negotiate due dates and deadlines when the need arises. However, negotiations between teachers and students must occur well in advance of the deadline for submission or completion of assignments. In some cases, a window of opportunity or flexible timeline for the submission or completion of work may exist. Depending on the circumstances, late submission may result in a **5% penalty per day up to a total of 25%** of the mark assigned. Once an assignment has been evaluated and returned to the class, a substitute assignment and deadline may be offered where appropriate. Failure to do that assignment may result in a zero. The nature of some assignments or tasks may necessitate absolute, non-negotiable deadlines for which there can be NO extension.

Missed Evaluations: Absence from scheduled evaluations, such as tests or performance tasks, for unauthorized reasons, is regarded as a serious matter. Students will have the opportunity to complete assignments or tasks missed for legitimate reasons or extenuating circumstances, such as in-school activities, field trips, illness or death in the family. Students are expected to provide a note or other documentation to verify the reason(s) for their absence. The student and the teacher will negotiate rescheduling of assignments/tests on an individual basis.

Textbooks: Students are expected to keep textbooks in an excellent state of repair. Students who return textbooks which are damaged or defaced in any way beyond normal wear and tear will be required to compensate the school for repair or replacement cost. The replacement cost of the textbook for this course is \$85.

Academic Honesty: Students must submit their **own** work. Plagiarism, including electronic theft, misrepresentation of original work, lying, cheating, theft of evaluation instruments, use of unauthorized aids and/or false representation of identity, will not be tolerated and will result in appropriate penalties.