

SCH4U - Chemistry, Grade 12, University Preparation

Course Outline

Welcome to grade 12 university chemistry! This course is designed to build on the chemical principles you learned in grade 11 and prepare you for your first year chemistry at the university level.

Prerequisite: Chemistry, Grade 11, University Preparation (SCH3U)

Textbook: *Nelson Chemistry 12*

This course is divided into units according to the following outline.

Unit	Text Reference	Approximate Time
Structure & Properties of Matter	Chapters 3 & 4	20 hours
Organic Chemistry	Chapters 1 & 2	15 hours
Energy Changes and Rates of Reaction	Chapters 5 & 6	24 hours
Chemical Systems and Equilibrium	Chapters 7 & 8	30 hours
Electrochemistry	Chapters 9 & 10	20 hours
	Final Exam	2-3 hours

Total: 112 hours

ASSESSMENT:

- **Assessment FOR and AS Learnings:** designed to give multiple opportunities for students to make improvements to their work: e.g. teacher-student conferences, peer conferencing, homework, practice, question and answer sessions, group activities, review games / worksheets, quizzes.
- **Assessment OF Learning:** designed to make judgements on final achievements of performance based on observations, conversations and student performance.

The final course mark will consist of 70% term work and 30% final evaluation.

Re-write tests will be offered after each unit test on a sign-up basis in order to produce a new test average (70% best mark + 30% lower mark) ** You MUST write the unit test on the test date to be eligible to sign-up for the rewrite test.

LEARNING SKILLS & WORK HABITS:

Independent Work	Stays on task, does not talk while the teacher or other students are talking
Collaboration	Contributes in large and small group, interacts well with peers, not disruptive
Organization	Arrives to class prepares to work, keeps good notes with dates/titles, work is presentable, work is handed in on time
Responsibility	Effective use of time & resources, homework completion
Initiative	Self-motivated, attempts to exceed expectations, seeks help when needed
Self-Regulation	Perseverant, self aware and reflexive, able to make smart decisions

EXTRA HELP:

You can message me via Moodle chat and I will respond accordingly.

You can also request a zoom meeting. Please give 2-3 days notice.

KEYS TO SUCCESS:

- 1) Complete AS MUCH work assigned AS POSSIBLE and check your answers. Prepare thoroughly and in a timely fashion for all tests/quizzes/labs/assignments
- 2) READ your textbook and REVIEW your NOTES on a DAILY basis
- 3) Self-assess your daily LEARNING GOAL
- 4) Get help when needed (teacher, friends, tutor, ChatGPT, whatever it takes! This COUNTS)
- 5) Make sure you get enough SLEEP and clear your schedule to get your work done.