



Grade 11 University Chemistry Course Outline

Course Code: SCH3U
Prerequisite: SNC2D

Textbook: Chemistry 11
Instructor: G. Simonetti



COURSE DESCRIPTION

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

UNITS OF STUDY

Unit Topic	Key Topics	Sample Issues
Matter, Chemical Trends & Chemical Bonding	Connecting properties to structure & bonding	Commercial cleaning products and their impact on environment
Chemical Reactions	Types of chemical reactions and their applications	Industrial reactions and applications
Quantities in Chemical Reactions	Quantitative relationships in chemical reactions,	Optimization of industrial processes
Solutions & Solubility	Properties of solutions, aqueous solutions, & applications	Wastewater treatment concerns and solutions
Gases & Atmospheric Chemistry	Behaviour of gases and applications to air quality	Air Quality and emissions

COURSE EVALUATION

Evaluations will reflect the following assessment breakdown

Knowledge/Understanding Emphasizes the ability to recall factual information, recognize fundamental concepts and the foundational skills of the subject/discipline	25 %
Thinking / Inquiry Emphasizes the use of critical and creative thinking skills and inquiry, research and problem-solving skills and/or processes. It is an opportunity to demonstrate learning through the use of initiating and planning skills and strategies.	35 %
Communication Emphasizes clear, precise and effective expression and organization of ideas and information through the use of oral, written and visual language to communicate the student's understanding of information and ideas	15 %
Application Emphasizes the use of knowledge and skills to make connections within and between various contexts. Students will propose courses of action to deal with problems related to science, technology, society and the environment.	25 %

FINAL EVALUATION

The final mark will be determined according to this breakdown

TERM WORK 70 %	Learning will be assessed through work completed during the term, including assignments, quizzes, unit tests, labs and practical work.
CULMINATING TASK 5 %	Learning will be evaluated through a culminating task at the end of the semester which will assess your practical skills and knowledge
EXAM 25 %	Learning will be assessed at the end of the course with an exam lasting 2.0 hours.

**Our Lady of Mount Carmel S. S.
Science Department
Expectations, Assessment & Evaluation Policies**

Behaviour and Performance Expectations

- Students should respect their peers and teachers as well as the classroom environment.
- Students should be punctual, prepared for class (with textbook, notebook, pens, pencils, etc) and in full uniform.
- There is no eating or drinking in the science laboratory.
- Students are expected to work cooperatively on activities, assignments and lab reports. If individual reports are required, “carbon copies” are not accepted. All reports must be referenced in APA format. Plagiarism will not be tolerated and will result in a mark of zero.

Lab Behaviour Expectations

- Students must be well versed in science safety
- Students must be prepared to do the laboratory activity (i.e. students have read the lab and completed any pre-lab assignment)
- Working in the lab is a privilege. This privilege can be lost and will result in lost marks. Students should follow instructions carefully, follow all safety rules and keep their work area clean.

Attendance

Regular attendance, keeping up to date with regular classroom and homework assignments is an essential component of success in this course. ***Students are responsible for the work they miss while absent including homework, assignments and laboratory results.***

Enter the names and phone numbers of two classmates to call when you are absent.

Friend: _____ Phone Number _____

Friend: _____ Phone Number _____

Test, Quiz and Assignment Policy

Students must adhere to the Our Lady of Mount Carmel “Achieve your Best” policy for test/quiz dates and assignment deadlines. Students with legitimate absences are to request an alternate time to write the missed assessment **on the day of their return.**

Progress Reports

A progress report will be issued to each student periodically during the semester. Parents/guardians are asked to sign the report and are invited to comment. If you have any questions or concerns please contact the classroom teacher at any time during the semester at extension 68019.

I _____ (student’s name) have read the Science Department Policies on Expectations and Assessment and Evaluation and have shared the information with my parents/guardians.

Student’s signature

Parent/Guardian’s Signature