

COURSE OUTLINE Fall 2024

	General Chemistry
	SGC100
	Online ZOOM Tutorial: Wednesdays 8 - 9 pm EST
	Dr. Melanie Facca, BSc, MS, ND

General Chemistry (SGC100) is a three-credit, 14-week introductory course designed to introduce students to the fundamental concepts of chemistry. The course will emphasize the physical and chemical principles of chemistry relating to matter and its transformations including measurement, atoms and molecules, nuclear chemistry, ions, the mole, reaction stoichiometry, gases, solutions, and acids and bases.

The application of chemical fundamentals to naturopathic medicine is integrated throughout the course, providing students with a unique opportunity to learn chemistry within the context of naturopathic medicine. Incorporation of a virtual laboratory component enhances and reinforces material covered in the course and allows the student to experience a practical application of chemistry while maintaining the convenience of an online chemistry course.

There are no prerequisite requirements for General Chemistry.

On completion of the course the student will be expected to:

- Demonstrate a basic understanding of chemistry.
- Perform the calculations required of introductory chemistry.
- Demonstrate knowledge of the fundamental laws and vocabulary as they pertain to chemistry.
- Effectively read and communicate scientific information.
- Apply knowledge of chemistry to a clinical setting
- Demonstrate knowledge of the principles and process of the chemical experiment.

The course is delivered in a blended learning style which combines online self-study modules with weekly live interactive online tutorial sessions from 8 - 9 p.m. EST (one evening per week) with the course instructor.

A passing grade is 60%. Evaluations/assessments will consist of: one quiz per module (10 total, 10%), course participation (10%), two assignments (10%), one midterm test (30%), and a final exam (40%).



