

Physics, Grade 12 – University Preparation

SPH 4U0

This course enables students to deepen their understanding of the concepts related to motion, dynamics and energy transformations, electrical, gravitational, and magnetic fields, electromagnetic radiation and the interface between energy and matter. They will further develop inquiry skills and learn how to interpret experimental data to provide indirect evidence of laws of physics. Students will also consider technological applications of physics and its impact on society and the environment.

It is recommended that students consider this course if they meet the following:

1. Level 3 in Physics, Grade 11, University Preparation
2. Excellent Math skills required to study Physics (rearranging equations, trigonometry, graphing, algebra, computations, integers, exponents)
3. Excellent work habits: homework, assignments and in-class assignments

Prerequisite: Physics, Grade 11, University Preparation (SPH 3U0)