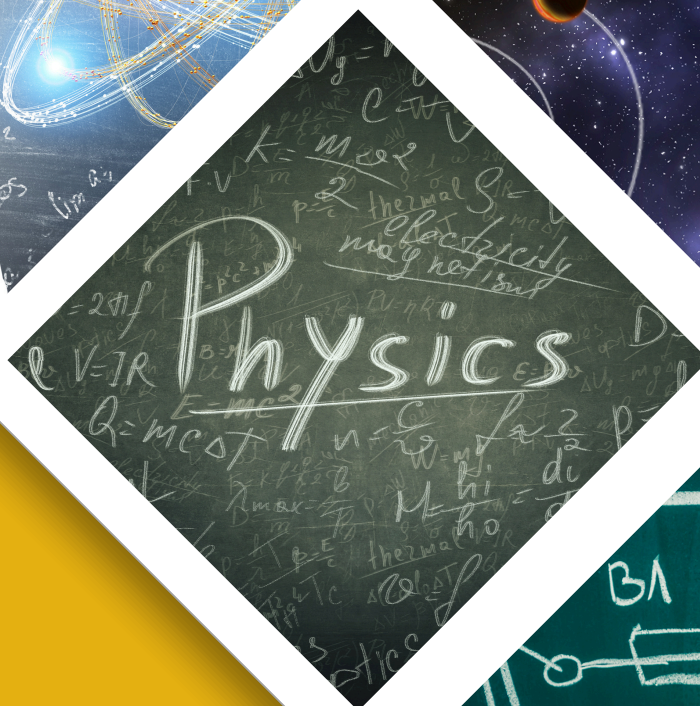
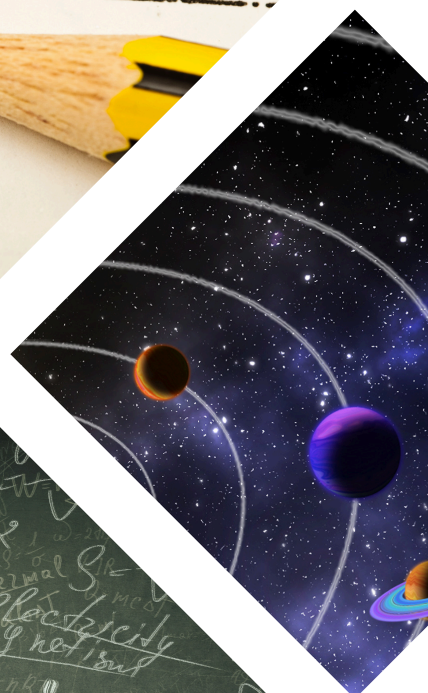
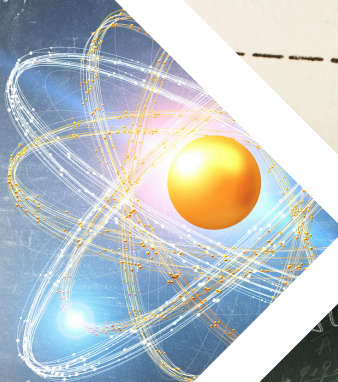




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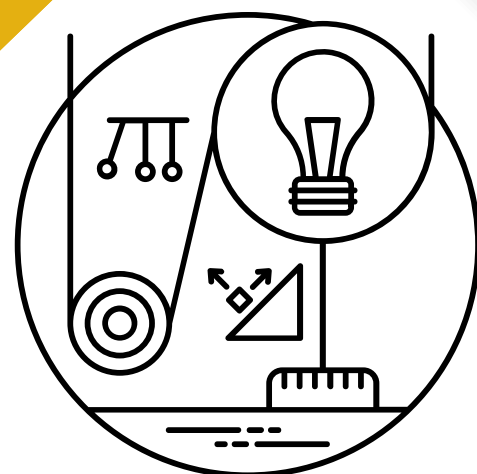


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# 2025-2026

## PHYSICS 1310

## PREPERATION GUIDE



# PHYC 1310 Preparation Guide

Welcome to PHYC1310! We're excited to have you join our course this fall. A little preparation goes a long way. Following the advice in this document will ensure you hit the ground running in September.

## Mathematics

It is expected that incoming students will be proficient in the following topics covered by Nova Scotia Mathematics 10, 11 & 12. As you prepare for the fall semester, we **strongly** recommend that you refresh your mathematical skills by reviewing the following courses from Khan Academy. For each course, I have only highlighted the most vital units for PHYC 1310; however, you will find much more content within each course.

Clicking on a course name (e.g. "Algebra (all content)") will open the course website in your internet browser.

### [Algebra \(all content\)](#)

Unit 1:	Introduction to Algebra
Unit 2:	Solving basic equations & inequalities
Unit 3:	Linear equations, functions, & graphs
Unit 5:	System of equations
Unit 7:	Functions
Unit 9:	Quadratic equations & functions
Unit 14:	Trigonometric functions
Unit 15:	Algebraic modeling

### [Integrated Math 2](#)

Unit 9:	Right triangles & trigonometry
Unit 10:	Solid geometry
Unit 11:	Circles

## Physics

It is *strongly* recommended that incoming students have taken High School Physics equivalent to the Nova Scotia 12 level. However, we recognize that not all students coming to this course have taken a physics class before. We ask that you work through the following units in Khan Academy's High School Physics so that you are acquainted with the terms and concepts we will be using throughout the semester.

### [High School Physics](#)

Unit 1:	Motion and forces
Unit 2:	Force pairs and momentum
Unit 3:	Gravitation
Unit 5:	Energy

If you are eager for more advanced study, Khan Academy's [AP/College Physics](#) course closely mirrors the content of PHYC1310.

See you in the fall!

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