



PHYSICS
Science
Remedial Activities for Secondary V Physics
203-001-RE (all sections)
Winter 2020

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Pre-requisites	High School Physics 553-504 (grade less than 70%), or High School Sec IV Science 558-404 or 402, or Physical Science 436 or CEGEP 982-003-50
Co-requisites	Remedial Activities for Sec V Mathematics (201-015-50)
Ponderation	

Teaching methods

The material will be presented using a mix of active learning activities, lectures, in-class problem solving, laboratory experiments and demonstrations. Laboratory periods will be used for experiments as well as class tests and lectures.

Attendance & participation

Although class attendance is not compulsory, students should make every effort to attend all classes. In the event that a class is missed, the student is responsible for all material covered or assigned during that class. **Attendance during laboratory experiments and for class tests is however compulsory.** In the rare event that a student for valid reason (*e.g.* due to an intensive course, illness, *etc.*) is or anticipates to be absent during a laboratory experiment or for a class test, the student **must**, where possible, inform the teacher and provide the necessary documents before the absence or, at the latest, on the day of their return. If the absence is excused, students will have the opportunity to complete the assessment.

All other assessments (readings, quizzes, lab activities, *etc.*) missed due to absence are:

assigned a grade of zero where the absence is not excused;

given zero weight in the calculation of the final grade where the absence is excused.

For additional information regarding attendance, students should refer to the Institutional Student Evaluation Policy (ISEP section IV-C).

Literacy standards

**Course
content**

The material to be covered is contained in the following chapters and sections of the text.

Weeks	Topics	Chapter & Section
1	Course introduction and math review	{
2	Representing motion	Ch.1: 1{6
2{4	Motion in one dimension	Ch.2: 1{7
4{5	Vectors and motion in two dimensions	Ch.3: 1{4, 6{8
6	Forces and Newton's laws of motion	Ch.4: 1{7
7{8	Applying Newton's laws	Ch.5: 1{8
9{10	Energy and work	Ch.10: 1{6, 8
11{14	Ray optics	Ch.18: 1{7
15	Optical instruments	Ch.19: 1{2