



**Reference materials**

1. **Physics, Remedial Activities for Secondary V Physics (with Mastering Physics), 203-001-50.** The second edition of this custom textbook is available at the Dawson College Bookstore (it has a light bulb on the cover) and includes an access code for the online homework system. The book consists of chapters taken from **College Physics: A Strategic Approach, 3rd edition**, by Randall D. Knight, Brian Jones, and Stuart Field published by Pearson Education (2016) .
2. **Library copies:** Copies of the textbook are available on reserve in the Dawson Library (as are similar textbooks by Serway & Jewitt, *etc.*)

**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, the student must notify the instructor as soon as possible, in writing, before the absence or, at the latest, on the day of their absence.

**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