

PHYS 120: Physics I

**Fall 2013**

Professor: Dr. Steeves

Office: Elliott 116

Office Hours: Wednesdays 2:30-4:00 PM, Thursdays 1:30-2:30 or by appointment

<http://www.phys.uvic.ca/gsteeves/>

**Outline:**

Particle dynamics and curvilinear motion; force and momentum; rotational dynamics and angular momentum; kinetic and potential energy; special relativity.

**Text:** University Physics, 13th edition, Young and Freedman (used editions are ok, but you still need the mastering physics code)

**Assignments:**

You need access to the [www.masteringphysics.com](http://www.masteringphysics.com) website to complete the weekly assignments.

The course-ID you need to access the assignments is: P120UVIC2013

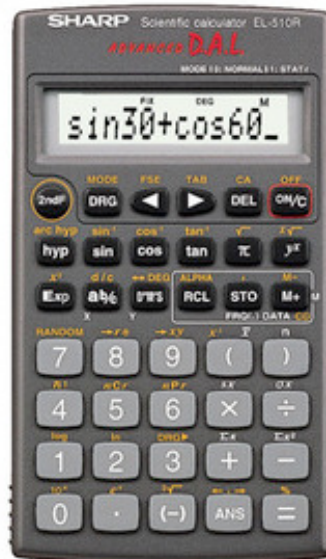
**Labs:** All lab sections are held in the Elliott 136. Labs start next week. All students must attend an introductory lab next week.

**Marking Scheme:**

	<b>A</b>	<b>B</b>
-Assignments	15%	15%
-Labs	20%	20%
<b>must be passed</b>		
-Midterm exam	20%	10%
<b>50 min exam</b>		
-Final exam	45%	55%
<b>3 hour exam</b>		

The scheme used (**A** or **B**) is the one that gives you the highest mark

**Calculators:** On all examinations the only acceptable calculator is the Sharp EL-510RNB which can be purchased from the bookstore for about \$10.



## **Grading**

### **Final Letter Grade:**

The conversion from percentage grade to letter grade is:

A+	90-100	B+	77-79	C+	65-69	F	0-49
A	85-89	B	73-76	C	60-64		
A-	80-84	B-	70-72	D	50-59		

## **Topics**

Introduction

Vectors (1.7 - 1.10)

Motion in one, two and three dimensions (Chapters 2 & 3)

Newton's laws (Chapters 4 & 5)

Energy conservation (Chapters 6 & 7)

Momentum conservation (Chapter 8)

Relativity (Chapter 37)

Rotational motion (Chapters 9 & 10)

**Midterm Exam will be in class on October 25th, 2013.**