Abstract
Particle dynamics and curvilinear motion; force and momentum; rotation and static equilibrium; kinetic and potential energy; special relativity.

Text: University Physics, 14th edition, Young and Freedman (used editions are ok, but you still need the mastering physics code). Both loose-leaf (unbound) and hard cover copies are available at the UVic book store.

Assignments:
You need access to the www.masteringphysics.com website to complete the weekly assignments.

The course-ID you need to access the assignments is: UVICPHYS120F2018

Labs: All lab sections are held in the Elliott 136. Labs start in the week of Monday September 10.

Marking Scheme

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<th>A</th>
<th>B</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>10%</td>
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<tr>
<td>Labs</td>
<td>20%</td>
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<tr>
<td>Midterm exams</td>
<td>25%</td>
<td>15%</td>
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<tr>
<td>Final exam</td>
<td>45%</td>
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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.
Topics

Introduction

Vectors 1.7-1.10

Motion Along a Straight Line 2.1-2.6

Motion in Two and Three Dimensions 3.1-3.5

Newton’s Laws of Motion 4.1-4.6

Applying Newton’s Laws 5.1-5.4

MIDTERM 1 - OCT 3, 2018

Work and Kinetic Energy 6.1-6.4

Potential Energy and Conservation 7.1-7.5

Momentum, Impulse and Collisions 8.1-8.6

Relativity 37.1-37.9

MIDTERM 2 - NOV 02, 2018

Rotation of Rigid Bodies 9.1-9.6

Torque and Static Equilibrium 10.1, 11.1-11.3

FINAL - To Be Determined