

# Introduction to Physics Course Syllabus

## Textbook

Our sole text for this course will be [Introduction to Physics, Second Edition](https://www.washington.edu/accesscomputing/AU/after.html), authored by the instructor.

## Course Objectives

* To offer students exposure to basic principles of Physics
* To provide students with rich, thought-provoking discussions during laboratory sessions
* To provide students with experiential learning opportunities during laboratory sessions

## Class Schedule

| Week | Topic | Reading Assignment |
| --- | --- | --- |
| 1 | Course Introduction | Chapter 1 |
| 2 | Inertia, equilibrium, kinematics | Chapters 2-3 |
| 3 | Newton’s laws, vectors, momentum, energy | Chapters 4-7 |
| 4 | Matter, elasticity, scaling | Chapters 8-10 |
| 5 | Wave kinematics, sound, electricity, magnetism, induction | Chapters 11-15 |
| 6 | Light, reflection and refraction, emission | Chapters 15-18 |
| 7 | Review, final exam |  |

## Grades

Grades will be assigned on a ten-point scale (90 to 100 is an A, 80 to 89 is a B, etc.). Homework, exams, and projects will be weighted as follows:

| **Homework** | **Exams** | | | **Projects** | | |
| --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **Final** | **1** | **2** | **Final** |
| 15% | 15% | 15% | 20% | 10% | 10% | 15% |

Ce programme est également disponible en français sur demande.