

# Introduction to Physics Course Syllabus

## **Textbook**

Our sole text for this course will be **Introduction to Physics**, Second Edition, authored by the instructor.

## **Course Objectives**

- To offer students exposure to basic principles of Physics
- To provide students with rich, though-provoking discussions during lecture 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	Chapter 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.