# Accessible University

# 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 Chapters 4-7		
3	Newton's laws, vectors, momentum, energy			
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:

Homowork	Exams		Projects			
Homework	1	2	Final	1	2	Final
15%	15%	15%	20%	10%	10%	15%