

Kingsborough Community College  
The City University of New York  
Department of Physical Sciences  
**PHY100 - Preview of General Physics I**  
Syllabus

PHY100 – PREVIEW OF GENERAL PHYSICS (0 crs. 2 hrs. – 2 equated crs.)

Topics covered include: measurements mathematical background, vectors, motion in a straight line, motion in a plane, forces, work, energy, power, momentum, impulse and angular motion in a plane.

Pre/Co-requisite: MAT900

Section: SECTION NUMBER

Time: LECTURE AND LABORATORY SCHEDULE FOR SECTION

Room: ROOM (S) FOR SECTION

Instructor: INSTRUCTOR FOR SECTION

Email: EMAIL ADDRESS FOR INSTRUCTOR FOR SECTION

Office Hours: OFFICE HOURS FOR INSTRUCTOR FOR SECTION

**Source materials:** The textbook is *Newtonian Physics* Benjamin Crowell Scientific calculator – You may not use a cell phone as a calculator on an exam!

**Student Learning Outcomes** Students will:

Understand and be able to solve problems involving measurement.

Understand and be able to solve problems involving the metric system.

Understand and be able to solve problems involving scientific notation.

Understand and be able to solve problems involving one-dimensional vectors.

Understand and be able to solve problems involving one-dimensional motion.

Understand and be able to solve problems involving two-dimensional vectors.

Understand and be able to solve problems involving two-dimensional motion.

Understand the concepts of forces, work, energy, power, momentum and rotational motion

**Topical Outline Lecture:** (Approximate and subject to change upon notification)

Week	Topics	Book Chapter
1 & 2	The metric system, and measurements and significant numbers.	0
3 & 4	Kinematics in One Dimension	1 & 2
5	Vectors	Supplement
6	Kinematics in Two Dimensions	4
6-7	Review & Practice Problems	0-4
8	Exam	
9	A Brief Introduction to Forces, Work, Energy, Power, Momentum & Rotational Motion	Supplement
10-12	Practice Problems	
13	Final Exam	

**Grading Evaluation:** This course is graded on a Pass/Repeat basis. To pass this course you must receive a score of 70% or better on the final exam.

**Attendance:** Attending all classes is mandatory.

**Conduct:** Students are required to follow *The Student Code of Conduct* as stated in the *Student Handbook*.

**Accessibility:** Access-Ability Services (AAS) serves as a liaison and resource to the KCC community regarding disability issues, promotes equal access to all KCC programs and activities, and makes every reasonable effort to provide appropriate accommodations and assistance to students with disabilities. You must contact Access-Ability Services if you require such accommodations and assistance. Your instructor will make the accommodations you need, but you must have documentation from the Access-Ability office for any accommodations.