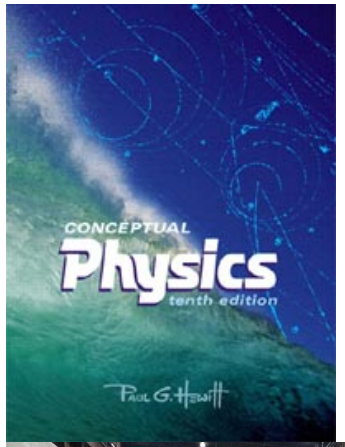
Welcome to Physics 100!

Basic Concepts of Physics

Based on the book by **Paul G. Hewitt:**



Conceptual Physics, 12 ed.
Pearson
ISBN 13:978-0-321-90910-7
(older eds. OK)

Prof. Steve Greenbaum
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1220B North Bldg., lab 1217
212 772-4973
Office hours: Tu, 4:00 – 5:00 pm
F, 12:00 – 1:00 pm
or by appointment

- **Please pick up handouts first class**

Course information (on your handout)

Location: Room 511 HW
Lecture Times: Tu and Fr: 2:10pm – 3:25pm

Text: ***Conceptual Physics, 12th Edition***, by Paul G. Hewitt (Pearson 2015).
Lectures posted on-line:
www.hunter.cuny.edu/physics/courses/physics100/physics-100

Grading:

2 in-class Exams	50% (30% on higher of two grades, 20% on lower)	
Final Exam	50%	No homework assigned, but I strongly suggest that you try some HW questions after lectures

Laboratory: Make sure you are registered for the lab course, Physics 101 LB, if you need the lab credit (see later).

Exam Dates: Friday February 28 and Friday March 27. One make-up, by permission only (must have proof of emergency), Friday, May 15.
Final Exam: Tuesday May 19, room and time to be determined.
Exam format: multiple-choice
Review questions will be posted one-week prior to exams

Participation in classroom discussions is strongly encouraged.

- Important Note! This is a *one-semester terminal* physics course, and it does *not* fulfill the pre-med, pre-dental, pre PT physics requirement.
- Another note: PHYS 100 fulfills the Scientific World category of the Flexible Core of Pathways. It is a pre/co-requisite of the lab-including course PHYS 101, of the Life and Physical Sciences category (but you may take 100 without taking 101).

Note from the Office of Student Services:

- **All students must make sure they are registered for this class and have not been dropped.**
- **Students who are not registered and have not paid may not continue attending the class.**
- **Check your registration status on E-SIMS. You should also read your Hunter email to learn of any changes in your registration status.**

If you have any questions you can receive assistance at the OASIS, Room 217 North Building

Syllabus:

Exam 1 →

Exam 2 →

Topic	Book chapter
Introduction/Newton's First Law	2
Linear Motion	3
Newton's Second Law	4
Newton's Third Law	5
Momentum	6
Energy	7
Rotation	8
Gravity	9
The Atomic Nature of Matter	11
Liquids	13
Gases and Plasmas	14
Heat	15
Vibrations and Waves	19
Sound	20
Electrostatics	22
Electric current	23
Magnetism	24
Electromagnetic Induction	25
Properties of Light	26
Color	27
Introduction to Quantum Theory	(31)

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The college is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.