

# Physics 110 Syllabus Hunter College of CUNY

## Course Description

Topics include mechanics, fluids, vibration and waves, and heat and thermodynamics. Students are expected to do all the reading assignment before the lecture. Homework problems are assigned through webassign: solutions are provided for students to compare with their own work. It is required students do all problems. There is tutoring available at the Physical Science Learning Center in the Library

## Textbook

Physics: Principles With Applications 7th Edition, Giancoli

## Mathematics Pre-requisite

Algebra, geometry, and trigonometry are prerequisites of Physics 110.

## Attendance

Attendance is required: In addition to the lecture important information regarding exams, homework, schedule etc. is communicated during class.

## Homework

Weekly Homework assignments are assigned via Webassign and are also listed in the weekly schedule

## Lab

1. The lab is an essential part of the course, and no grade is given without completion of the lab.
2. The lab is 15% of the total grade.
3. Student must complete a minimum of 10 labs out of 12 to get a lab grade. If a student completes less than 10 labs they will receive an incomplete for the course.
4. If a student is repeating the course and has completed the lab in a preceding semester, it is not necessary to repeat the lab: the lab average from the preceding semester will be used in determining the course grade.

## Course grade

There are two midterms and comprehensive final exam. The grading is described in the table bellow.

Midterm 1 (Higher midterm of 1 and 2)	25%
Midterm 2 (Lower midterm of 1 and 2)	15%
Homework	10%
Lab Mandatory	15%
Final exam is mandatory	35%
<b>Total</b>	<b>100%</b>

**The exam questions are problem solving types!**

### **Credit/No Credit Grading Option**

You may choose to be graded in this course on a Credit/No Credit basis. Before selecting this option, check with your departmental adviser and be aware that many colleges, professional schools, and employers may look with disfavor on Credit/No Credit grades and may even convert Credit to C and No Credit to F for their purposes, as described in the Hunter Catalog.

### **Academic Integrity**

Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. 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 Procedure

### **Accessibility**

In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the Office of AccessABILITY located in Room 1214 B East building to secure necessary academic accommodations.

Hunter College does not discriminate against any student on the basis of pregnancy or related conditions. Absences due to medical conditions relating to pregnancy will be excused for as long as deemed medically necessary by a student's doctor and students will be given the opportunity to make up missed work. Students needing assistance can seek accommodations from the Office of AccessABILITY

## Material to be covered

Chapter	Omitted Sections	Suggested Problems
1	none	none
2	none	8,11,16,19,21,30,31,36,46 48,53,68,71
3	6,7	5,9,10,12,13,17,18,48
4	none	7,9,11,16,23,24,27,34,42, 47,50,65
5	3,4,6-10	7,8,12,15,17,31,32,68,73
6	2	9,12,19,22,24,25,29,39,40, 41,44,48,69,90
7	7-10	10,11,18,21,29,31,35,39,42, 78
8	7-9	5,6,8,14,20,22,23,27,29,35, 39,46
9	3,4,6,7	1,12,13,14,18,19,27,30
10	11-14	13,14,18,25,26,35,40,50
11	5,6,13-15	5,8,20,22,23,25,30,40,42,52, 55
12	all	
13	10-12	2,7,17,20,25,27,31,37,53,54, 68
14	none	2,6,12,13,14,17,28,30,34,38, 47
15	3,6,8-11	1,4,6,7,8,10,13,25,30,39,41

Exam dates: First exam - Wednesday, October 4, second exam Wednesday November 8.