

Physics 110 Syllabus Fall 2020
Hunter College of CUNY

Professor: Dr. Tan-Na Lee (Email: tl2286@hunter.cuny.edu, for issues of a personal nature only)

Class Time/Room: M/ W 4:10 pm – 5:25 pm, 8/26/2020 - 12/20/2020, Room: Zoom

Office Hours: M/W 12:30 pm – 1:00 pm, Zoom (by appointment)

No Classes: M 09/7/2020, M 09/28/2020 (running on T 09/29), M 10/12/2020 (running on T10/13) and W 11/25/2020

Last Class before Final Exam: W 12/09/2020

Mathematics Prerequisite

MATH 12000, MATH 12400, MATH 12500, MATH 12550 or MATH 15000.

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 Mastering Physics. It is required that students do all the problems. There is tutoring available at the Physical Science Learning Center in the Library

Textbook

Physics: Principles With Applications 7th Edition, Giancoli, Mastering Physics with Pearson eText -- ValuePack Access Card ISBN 13- 9780321909770

Attendance

Attendance is required: In addition to lectures, important information regarding exams, homework, schedule etc. are also communicated during class. It is your responsibility to find out what information is disseminated in class if you miss a class.

Homework

Homework assignments are assigned via Mastering Physics listed in the weekly schedule

Laboratories

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 9 labs out of 11 to get a lab grade. If a student completes less than 9 labs, he/she will receive a zero for the missing lab(s).

4. Students who repeat the course must repeat the lab.

Course Grade

There are six pop quizzes (unannounced, each covering 2-3 chapters, 13 questions) The grading policy is described in the table below.

Quizzes (best 5 out of 6, 13% each)	65%
Homework (Mastering Physics, no late work accepted)	10%
Class Participation	10%
Lab (see lab instructor for details)	15%
Total	100%

The exam questions are problem solving and conceptual types. No make-up exams!

The final letter grade will be based on students' relative standing in the class.

Curving may be done for the overall scores if the instructor finds it necessary. No curving will be done for individual tests. A student with an overall score at the class average falls in the B range.

Lecture and Exam Schedule

Week	Chapter	Exams	Additional problems
1	2: Kinematics in 1-D	Ch 2, 3	8, 11, 16, 19, 21, 30, 31, 32, 36, 46, 48, 53
2	3: Kinematics in 2-D, Vectors		5, 9, 10, 12, 13, 21, 23, 31, 32, 36, 48, 56, 58
3	4: Dynamics: Newton's Laws	Ch 4, 5	7, 9, 11, 16, 23, 24, 27, 34, 42, 47, 50, 65,
4	5: Circular Motion		7, 8, 9, 12, 15, 17, 22, 31, 32, 50, 52, 56, 68
5	6: Work and Energy	Ch 6, 7	19, 22, 24, 25, 29, 39, 40, 41, 44, 48, 69, 90
6	7: Linear Momentum		10, 11, 18, 21, 29, 31, 35, 39, 42, 52, 77, 78
7	8: Rotational Motion	Ch 8, 9	14, 20, 22, 23, 27, 29, 35, 39, 46 58, 69, 72
8	9: Static Equilibrium		1, 12, 13, 14, 18, 19, 27, 29, 30

9	10: Fluids	Ch 10, 11	13, 14, 18, 25, 26, 35, 40, 50
10	11: Oscillations and Waves		5, 8, 20, 22, 23, 25, 30, 40, 42, 52, 55
11	13: Temperature and kinetic theory	Ch 13 – 15	2, 7, 17, 20, 25, 27, 31, 37, 53, 54
12	14: Heat		2, 6, 12, 13, 14, 17, 28, 30, 34, 38, 47
13	15: Thermodynamics		1, 4, 6, 7, 8, 10, 13, 25, 30, 39, 41

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

Hunter College Policy on Sexual Misconduct

"In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate

relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

1. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).
2. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

CUNY Policy on Sexual Misconduct Link:

<http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf>