

Syllabus for Physics 120

Textbook: Physics by D. Giancoli, 7th edition

Course grade: The course grade is based on homework, two midterms, a final examination and a laboratory grade. The homework counts 10%, the midterm with the higher score counts 25%, the midterm with the lower score counts 15%, the final counts 35%, and the laboratory counts 15%. There are no make up exams. If a midterm is missed for a valid reason, the final grade will be based on the examinations taken. Homework is done online using Mastering Physics. In order to receive a laboratory grade, 10 out of the 12 labs must be completed. There is a penalty for late laboratory reports. A student who does not complete the laboratory, but who is otherwise passing the course, will receive an incomplete. Two additional points:

- There is no extra credit in this class.
- Credit/No-Credit policy is strictly enforced. I will not accept a Cr/NC form after the final exam has begun. Once such a form has been turned in, the only grade you can receive is a Cr or an NC, not a letter grade.

Subjects covered: electricity and magnetism, optics, special relativity, quantum physics

Chapter	Sections omitted	Recommended Problems
16	10-12	11,27,30,32,57
17	6, 10-12	11,22,24,26,55,81,85
18	8-10	9,15,38,44,50,73
19	7,8	10,16,29,34,40,54,93
20	8, 10-12	8,12,13,20,31,78,87,89
21	6, 8, 9, 13-15	1-4,7,11,12,14,21,34,42,48
22	7	19,26,28,30
23	10	3,4,12,20,34,37,51,53,58,59,74,80
24	7-9, 11, 12	8,10,23,27,34,43,71,79
25	1, 2, 5-12	26,27,32,35
26	none	8,10,18,30,36,49,52,61
27	5-7, 9	19,21,42,57,60,70,71,89
28	4-12	1,4,12,14
30	10-13	12,14,31,39,49

Academic integrity: Hunter College regards acts of academic dishonesty (e.g. plagiarism, cheating on examinations, obtaining unfair advantage, falsification of records and official documents) as serious offences 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 Procedures.

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.

The Test Security and Fairness Policies

These policies are designed to give you a standardized, fair, and equitable opportunity and to prevent anyone from gaining an unfair advantage in the examinations. The policies are consistent with those commonly adopted by major nation-wide testing services.

1. Bring your Hunter ID card, your own pencils or pens, erasers, and calculators. **You will not be allowed to borrow or share these tools during examination.**
2. Late arrival - You may be denied taking the text if you are more than five minutes late.
3. Your instructor may reassign or separate your seats.
4. There should be no communication with adjacent students during examination.
If you are found communicating with neighbors for whatever reasons, you will be ejected and receive a zero for the test.
5. Phone and Electronic Device - All devices must be turned off and stored away, and not easily accessible. Prohibited devices include, but are not limited to:
 - Cell phones or smartphones
 - Watches, digital watches or iWatches
 - Headphones, AirPods or earbuds
 - Audio players/recorders, tablets, laptops, notebooks, Google Glass, or any other personal computing devices
 - Separate timers of any type
 - Cameras or any other photographic equipment
 - Any devices that can be used to record, transmit, receive, or play back audio,

photographic, text, or video content

If you are found in possession of prohibited devices in your hands, on your ears, in the pockets or on the wrists, whether the devices are active or not, you will be ejected and receive a zero for the test.

6. No Restroom trips

Prepare not to use the restroom during the entire length of examination. Go to the restroom right before the examination.

If you must go to the restroom for medical reasons, submit a doctor's note in advance so that a special proctor can be arranged for you.

Physics 110/120 Laboratory Policy

(The policy supersedes previous announcements and postings.)

No food and drink are permitted in the laboratory.

The lab manuals can be downloaded from <http://www.hunter.cuny.edu/physics/course-list>

Do not start the experiment unless the instructor gives you permission to do so.

The lab grade will be based on the average of 10 best lab reports (80%) and instructors' evaluation of students' performance (20%). This grade is then reported to your lecturer for inclusion in the final course grade (15% weight factor). If a student completes less than 10 experiments, the missing scores are counted as zero in the average.

The lab manuals may be purchased at Shakespeare Bookstore on Lexington Avenue between East 68th Street and East 69th Street.

The data sheets must be signed by the instructor at the end of each session. Reports without instructor's signature will not be accepted.

At the end of the semester, students can make up one missed experiment.

The list below will give you an idea of the criteria used by your lab instructor in grading your lab report:

1. Quality of measurements. Logical presentation of report contents.
2. Accuracy and correctness of calculations resulting from proper use of data and completion of calculations.
3. Orderly and logical presentation of data in tabular form, where appropriate.
4. Good-looking graphs, easiness to read, good choice of scales and labels.
5. Comparison with theory.
6. Answers to Questions; Conclusions.
7. Clarity, Neatness, Promptness.

The lab reports are due at the next session. The penalty for late submission up to one week is 20%. No report will be accepted after one week.

The schedule of experiments for the semester is posted in the laboratory.