

Physics 204 PR, PR2, PR3, PR4, PR5, PR6 Spring 2020

Instructor: Prof. Hernán A. Makse, Steinman Hall ST1M-12
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Web-site: <http://hmakse.ccny.cuny.edu>
Class schedule: Tu Th 2:00-3:40 PM in MR3
Office hours: Tu-Th 4:00--5:00 PM in Levich Institute, Steinman Hall ST1M-12
Textbook: *Physics*, Any edition by Cutnell and Johnson. Vol 1 and 2.
 Homework numbers refer to 8th edition posted in website
TA: TBA

Date:	Reading assignment	Homework. Suggested Problems
Jan 28(Tu) 30(Th)	CH 16: Waves CH 16	Number refers to 8 th edition. Problems and Solutions posted in website CH 16: 14,26,29,28
Feb 4(Tu) 6(Th) 11(Tu) 13(Th) 18(Tu) 20(Th) 25(Tu) 27(Th)	CH 17: Superposition CH 17 CH 18: Electric force CH 18 CH 18 CH 19: Electric Potential CH 19 CH 20: Electric circuits	CH 17:8,7,29,33,41 CH18:21,72,35,37,71,25 CH 19:19,21,27,39 CH 20:6,43,55,64,66,65,71
Mar 3(Tu) 5(Th) 10(Tu) 12(Th) 17(Tu) 19(Th) 24(Tu) 26(Th)	CH 20 CH 21: Magnetic force CH 21 CH 22: Induction TEST 1: CH 16-20 CH 22: Induction (may skip) CH 23: AC currents and CH 24: Electromagnetic waves CH 25: Mirrors CH 25:	CH 21:1,7,15,23,78,39,47 CH 22:5,16,72,77,36,35,25 CH 25: 38,5,23,37,40,38
April 31(Tu) 2(Th) 7(Tu) 9(Th) 14-16(Tu-Th) 21(Tu) 23(Th) 28(Tu) 30(Th)	CH 26: Refraction CH 26 No class. Wednesday schedule SPRING BREAK (April 8-16) SPRING BREAK TEST 2: CH 21-26 CH 27: Interference CH 28 Special Relativity CH 28	CH 26: 12,20,107,3 CH 27: 55,9,25,27,32 CH 28: 2,43,15,14,27,29,40

May	5(Tu)	CH 29: Particles and waves	CH 29: 47,11,48,49,40
	7(Th)	CH 30: Atoms	CH 30: 10,13,15,18,23,27,29
	12(Tu)	Test 3. CH 27-30 (to be confirmed)	
	14(Th)	Last day. Final Review	
	18-22	Final Exam includes all the material covered in the lectures	

Course description: PHYS 20400 General Physics II: For majors in the life sciences (biology, medicine, dentistry, psychology, physical therapy) and for liberal arts students. Algebra based introductory physics course covering: waves and acoustics, electrostatics, electromagnetism, direct current, geometrical optics, relativity, and nuclear physics. Use of mathematics is restricted to elementary algebra and trigonometry. Prerequisite: PHYS 2030 (required for Premed., Pre dent., Bio-Med., and all Life Science students).

Reading assignment: Students should read the indicated Chapters in the textbook before coming to class.

Homework: The homework is optional. It is strongly recommended to do all the homework material. Problems and solutions are posted in website of the course.

Lab: All lab experiments must be done to pass the course. Labs take place in MR 407 N. Confirm start date at the Physics Department. Seven labs involve experiments. The rest are workshops. Attendance is required at all meetings.

Exams: There will be three midterm exams and one final exam (140 min). The final exam will include all the material covered in the semester. You are allowed to bring a sheet of paper with equations to the exams (midterms and final). This policy is subject to change during the semester and it could be updated/cancelled. The lowest grade of the midterms will be dropped.

No make-up will be given for any exam under any circumstances. If you miss one exam, you will automatically drop the missed exam. If you miss two exams, you will be able to pass by doing well in the third exam and final.

Final grade: A+=100-96.67, A=96.66-93.37, A-=93.33-90, and so on.

Grades: Student performance will be based on the following components:

Best Midterm 1	30%
Best Midterm 2	30%
Final exam	40%

If you are a student with a disability who requires accommodations and services, please visit NAC 1/218. It is required that faculty receive an official accommodation memo from the student before the exam to proceed to implement accommodations for a given exam.