

PHYSICS 20400EE FALL 2004 (J4) MW 2:00-3:15 (J417A) F 2:00-2:50

Professor: Mark Shattuck (shattuck@ccny.cuny.edu)
 Office: Steinman Hall T1M-16 x8161, (Marshak 309A)
 Office Hours: MW 1:00-2:00
 Website: <http://gibbs.engr.ccnycuny.edu/teaching.html>

Textbook: Cutnell & Johnson - iPhysicsf, 6th edition, Volumes 1 and 2.
 Physics Lab Manual (J419)

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| <ul style="list-style-type: none"> • 15 min. quiz every Monday (first quiz will be Mon. Aug. 30) • Three tests and Final. • All Labs MUST be completed to pass the course! | 10% Quizzes
15% Tests (x3)
45% Final (cumulative) |
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Week Beginning	Topic	Reading	Homework
Aug. 30	Waves and Sound Interference	16.1-10 17:1-6	16: 5,15,17,24,31,42,78,90,98 17: 8,20,27,36
Sep. 6 (WF)	Electric Force	18.1-5	18: 1,3,5, 7,11,12,13,16
Sep. 13 (M)	Electric Fields	18.6-8	18: 27,29,44
Sep. 20 (MW)	Electric Potential	19.1-5	19: 19,23,24,34,39,40,52
Sep. 27	Electric Circuits	20.1-9,11-12	20: 6,10,17,23,33,45,55,60,63,87,100
Oct. 4	Magnetic Forces and Fields	21.1-8	21: 2,17,20,32,33,41,45,54,55,72
Fri. Oct. 8	Test 1 (16-20)		
Oct. 11 (WF)	Electromagnetic Induction	22	22: 3,25,28,31,38,51,62,69
Oct. 18	AC Circuits Electromagnetic Waves	23.1-4 24.1-3	23: 2,6,13,19,22,28,32,42 24: 3,19,46
Oct. 25	Reflection of Light Refraction of Light	25 26.1,3,5,8	25: 5,9,19,34 26: 14,28,42,51,104
Fri. Oct. 29	Test 2 (21-23)		
Nov. 1	Interference of Light	27.1-7	27: 3,11,12,19,27,44,50
Nov. 8	Special Relativity	28	28: 5,8,12,23,31,33,34,38,39,40
Nov. 15	Particles and Waves	29	29: 6,8,9,16,24,32,42,43
Nov. 22 (MW=F)			
Wed. Nov. 24	Test 3 (24-29) **Note: Friday's Schedule (2:00-2:50)		
Nov. 29	Nature of Atoms	30	30: 4,5,14,18,19,24,31,33,39,50
Dec. 6	Nuclear Physics	31	31: 4,14,18,19,31,33,39,50
Dec. 13 (MT)	Elementary Particles	32	32: 13,20,24,28,44,45
Dec 16-23	FINALS		

M = Guest Lecturer: Dr Pedro Reis, T1M-10, x6842, preis@levdec.engr.ccnycuny.edu
 or: Prof. Hernan Makse, T1M-12, x6847, makse@mailaps.org