

PHYSICS 20400MM Spring 2006 (MR4) TTh 11:00-12:15 (MR408) F 11:00-11:50

Professor: Mark Shattuck (shattuck@ccny.cuny.edu) Office: Steinman Hall T1M-16 x8161, (Marshak 309A) Office Hours: TTh 10:00-11:00 Website: http://gibbs.engr.cuny.cuny.edu/teaching.html	Textbook: Cutnell & Johnson - "Physics", 6th edition, Volumes 1 and 2. Physics Lab Manual: http://mail.sci.cuny.cuny.edu/~physdept/AltLabMan/TOC.html
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<ul style="list-style-type: none"> • 15 min. quiz every Tuesday (first quiz will be Tue. Jan. 31) • 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
Jan. 23 (ThF)	Waves and Sound	16.1-10	16: 5,15,17,24,31,42,78,90,98
Jan. 30	Interference	17:1-6	17: 8,20,27,36
Feb. 6	Electric Forces and Fields	18.1-8	18: 1,3,5, 7,11,12,13,16,27,29,44
Feb. 13	Electric Potential	19.1-5	19: 19,23,24,34,39,40,52
Feb. 20 (ThF)	Electric Circuits	20.1-9,11-12	20: 6,10,17,23,33,45,55,60,63,87,100
Fri. Feb. 24	Test 1 (16-19)		
Feb. 27	Magnetic Forces and Fields	21.1-8	21: 2,17,20,32,33,41,45,54,55,72
Mar. 6	Electromagnetic Induction	22	22: 3,25,28,31,38,51,62,69
Mar. 13	AC Circuits	23.1-4	23: 2,6,13,19,22,28,32,42
	Electromagnetic Waves	24.1-3	24: 3,19,46
Mar. 20	Reflection of Light	25	25: 5,9,19,34
	Refraction of Light	26.1,3,5,8	26: 14,28,42,51,104
Fri. Mar. 24	Test 2 (20-23)		
Mar. 27	Interference of Light	27.1-7	27: 3,11,12,19,27,44,50
Apr. 3	Special Relativity	28	28: 5,8,12,23,31,33,34,38,39,40
Apr. 10 (T)	Particles and Waves	29	29: 6,8,9,16,24,32,42,43
Apr. 24 (TTh F)	Nature of Atoms	30	30: 4,5,14,18,19,24,31,33,39,50
Tues. Apr. 25	Test 3 (24-29)		
May 1	Nuclear Physics	31	31: 4,14,18,19,31,33,39,50
May 8	Elementary Particles	32	32: 13,20,24,28,44,45
May 15 (T)	Review		
May 19-26	FINALS		

M = Guest Lecturer: TBA or Prof. Hernan Makse, T1M-12, x6847, makse@mailaps.org