

PHYSICS 20300ST FALL 2008 (MR4) TTh 5:00-6:40

Professor: Mark Shattuck (shattuck@ccny.cuny.edu) Office: Steinman Hall T1M-16 x8161, (Marshak 424A) Office Hours: TTh 4:00-5:00 (Marshak 424A) Website: http://gibbs.engr.ccnycuny.edu/teaching.html	Textbook: Cutnell & Johnson - "Physics", 7th edition, Volume 1. Physics Lab Manual: http://mail.sci.ccnycuny.edu/~physdept/AltLabMan/TOC.html
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<ul style="list-style-type: none"> • 10 min. quiz every Tuesday (first quiz will be Tue. Sep. 1) • 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. 25 (Th)	Vectors	Chap. 1	1: 2,3,14,21,45
Sep. 1	Kinematics	Chap. 2-3	2: 4,8,12,16,22,28,37,44-46,58 3: 2,6,8,12,16,32,48,53,56
Sep. 8	Forces, Newton's Laws	Chap. 4	4: 1,4,11,15,19,20,24,37,38,43,47,58 4: 63,66,69,81
Sep. 15	Circular Motion	Chap. 5	5: 2,3,10,13,15,20,30
Sep. 22	Work & Energy	Chap. 6	6: 3,4,7,15,18,20,26,29,36,45,47,48
Thurs. Sept. 25 Test 1 (1-4)			
Sep. 29 (Th)	Impulse & Momentum	Chap. 7	7: 2,4,8,16,19,26,30,41
Oct. 6 (T)	Rotational Kinematics	Chap. 8	8: 2,5,16,20,24,30,34,39,41,48,49
Oct. 13 (Th)	Rotational Dynamics	Chap. 9	9: 2,5,12,17,24,29,31
Oct. 20	Rotations (con't)	Chap. 9	9: 44,47,50,52,54
Oct. 27	Simple Harmonic Motion	Chap. 10	10: 3,5,25,26,29
Thurs. Oct. 30 Test 2 (5-9)			
Nov. 3	Fluid Dynamics	Chap. 11	11: 3,10,19,22,38,41,46,58,61,62
Nov. 10	Temperature/Heat	Chap. 12	12: 1,13,28,39,40,43,51,54,57
Nov. 17	Heat Transfer	Chap. 13	13: 2,6,7,16,23
Tues. Nov. 25 Test 3 (10-13)			
Dec. 1	Ideal Gas/Kinetic Theory	Chap. 14	14: 2,5,9,14,16,28,33,34
Dec. 8	Thermodynamics	Chap. 15	15: 1,3,8,11,30,42,46,49,51,60,62
Dec. 15 (T)	Review		
Dec 16-23 FINALS			

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