

PHYS 2A Tentative Schedule 2008

<u>DATE</u>	<u>LECTURE TOPIC</u>	<u>READING ASSN.</u>	<u>REVIEW QUESTIONS</u> (for reading quiz next class)	<u>WRITTEN HOMEWORK</u> (due next class)
8/19 Tuesday	Syllabus, The nature of science	Pg 8-18	Ch1 #9, 10, 11, 13, 17, 19	None
8/21 Thursday	DOI: Counting by Wt. Assessment: Measurement uncertainty Quiz	Pg 22-37	Ch 2 #2, 4, 5, 6, 9, 10, 11, 13, 15, 17, 20, 21	None
8/26 Tuesday	Newton's First Law, Assessment: Physics Measurement Quest. DOI: Cars on the Street	Pg 41-47	Ch 3# 2, 3, 5, 6, 7, 9, 10, 11, 12, 15	CH 2 Exercises (NOT review questions!!) 6, 11, 12, 13, 27, 29, 41, 45, 46, 48
8/28 Thursday	ABT: Velocity	None	None	Handout HW for lab 1
9/2 Tuesday	Velocity vs acceleration	Pg 47-53	Ch 3 #18, 19, 20, 22, 26	Ch 3 Exercises 4, 5, 8, 12, 13, 17, 18, 19, 22
9/4 Thursday	ILD Kinematics 2 Freefall and kinematic equations	None	None	HW for lab 2 handout Ch 3 One-Step Calculations 6, 9, 12, 15, 19, 22 Exercises: 27, 29, 32 Problems 3, 5, 10
9/9 Tuesday	QUIZ #1 Assessment: TUG Proportional Reasoning	Pg 58-68	Ch 4# 3, 8, 10, 11, 12, 14, 16, 21, 29, 33	Handout
9/11 Thursday	ILD 1 st & 2 nd Law ABT: Force and Motion Newton's Second law	Pg 74-81	Ch 5 # 3, 4, 5, 10, 11	Handout, Ch 4 One-Step Calculations: 1, 5, 6, 10 Problems: 2, 3, 7 HW for lab 3 handout
9/16 Tuesday	3 rd law & Identifying Forces ABT: 3 rd Law	None	None	Handout
9/18 Thursday	Identifying forces continued RTP Lab 6: Gravitational Force	Pg 82-86	Ch 5 #17, 19, 22	Handout

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9/23 Tuesday	Vectors and trig.	None	None	Handout
9/25 Thursday	Quiz #2 Cars on ramp lab,	None	None	None
9/30 Tuesday	Catch-up or review			
10/2 Thursday	TEST #1 CH 1-5 Assessment: Vectors			
10/7 Tuesday	Statics			Handout
10/9 Thursday	Statics and Dynamics Lab Normal force	Pg 91-97	Ch 6 # 1, 3, 7, 10, 11, 12, 13	
10/14 Tuesday	Impulse-momentum RTP Lab 8: One Dimensional collisions	Pg 98-105	Ch 6 # 14, 15, 16, 18, 21	Ch 6 One-Step calculations 1, 3, 5, 6 Exercises 3, 7, 12, 13 Problems 1, 2, 5 HW for lab 8 handout
10/16 Thursday	QUIZ #3 Momentum Conservation ILD Momentum	Pg 110-116	Ch 7 # 2, 4, 5, 7, 10	Ch 6 One-Step calculations 7, 8 Exercises 31, 33, 34, 38, 46, 48, 51 Problems 6, 8, 9
10/21 Tuesday	Work/Energy	Pg 117-121	Ch 7 # 11, 14, 15, 16, 18, 20	Ch 7 One-Step calculations 2, 5, 6, 11, 12, 13, 14 Exercises 49
10/23 Thursday	ILD: Energy of Cart on ramp Conservation of Energy	Pg 121-125	Ch 7 # 23, 24, 25, 26, 28	Ch 7 Exercises 19, 27, 37, Problems 2, 3, 4, 5, 6
10/28 Tuesday	Energy vs Momentum	Pg 131-138	Ch 8 # 2, 3, 6, 7, 8, 12, 13, 14	Handout, Ch 7 Exercises 50, 51, 52, 53, 54, 58
10/30 Thursday	QUIZ #4 Circular Motion	Pg 144-147	Ch 8 # 23, 24, 25	Ch 8 Exercises 2, 4, 13, 15, 17, 18, 19, 22 Problems 1, 5, 6
11/4 Tuesday	NO CLASS (tentative)			

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			quiz next class)	
11/6 Thursday	NO CLASS (Tentative)			
11/11 Tuesday	Centripetal Force ILD Rotational Motion	Pg 147-153	Ch 8 #27, 28, 30, 31	Ch 8 One-Step calculations 3, 4 Exercises 49
11/13 Thursday	Frames of Reference, Angular momentum	None	None	Study
11/18 Tuesday	TEST #2	Pg 161-178	Ch 9 # 1, 3, 9, 12, 13, 14, 17	None
11/20 Thursday	Law of Gravity	Pg 184-195	Ch 10 # 2, 3, 4, 5, 6, 7, 13	Ch 9 One-Step calculations 1, 5, 6 Exercises 2, 3, 4, 8, 9, 10, 14, 17, 18, 19, 23, 55 Problems 5
11/25 Tuesday	Projectiles ILD: Projectiles	Pg 233-243	Ch 12 # 8, 9, 10, 11, 12, 15, 16, 17, 23, 24, 26	Ch 10 Exercises 2, 3, 5, 8, 16, 18, 19 Problems 1, 2, 5
11/27 Thursday	THANKSGIVING			
12/2 Tuesday	Elasticity, Scaling laws	Pg 248-257	Ch 13 #2, 3, 5, 7, 8, 10, 11, 12, 15, 17, 19	Handout Ch 12 Exercises 34, 35, 41, 42, 43, 44, 46, Problems 3, 4, 6, 8, 10
12/4 Thursday	Quiz #5 Fluids, pressure	Pg 259-263	Ch 13 # 21, 23, 24, 25, 26	Handout Ch 13 One-Step calculations 1 Exercises 3, 4, 7, 8 Problems 1
12/9 Tuesday	Buoyancy ILD Fluid Statics	Pg 290-301	Ch 15 #1, 2, 3, 5, 8, 9, 10, 11, 12, 15, 16, 17, 23, 24, 25, 30	Handout Ch 13 Exercises 29, 32, 33, 34, 35, 39, 44, 45, 47, 49
12/11 Thursday	Quiz #6 Review			
12/16 Tuesday	FINAL 8:00-10:00			