

PHYS 111 Class Schedule and Assignment Sheet – Fall 2006

Contact Information

Instructor	Section	Office	Phone	E-mail
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Policies and Web Site: <http://www.math.ohio-state.edu/~gpopa/06-07/p111/phys111.htm>

See also the "Welcome to Students of Physics 111" packet for course policies. Additional information is available, go to: <http://www.physics.ohio-state.edu/> then click on "Courses" and then on "Physics 111"

Instruction Assistance Free Tutoring is available in Math Lab. You are encouraged to take advantage of this.

Required Materials

PHYSICS by Cutnell & Johnson, Volume 1 and 2, 7th Edition (Wiley, 2007): Available in local bookstores
Worksheets for Physics 111 Laboratory, 13th edition (2006): Available in local bookstores

Schedule and Assignments

All assignments listed below refer to the Cutnell & Johnson textbook. Students are expected to complete the assigned reading before lecture, and to attempt the assigned questions and online problems before recitation.

Abbreviations: L lecture, R recitation, H homework, SAT Self- Assessment Test (on Cutnell & Johnson website)

NOTE: The assigned problems listed here are for informational purposes, the final list of assigned problems will be those that are made available in class.

ALL EXAMS, INCLUDING THE FINAL EXAM, ARE HELD IN THE CLASSROOM

DATE			PREPARATION/ RECIT.	TOPIC / ONLINE ASSIGNMENT	LAB	
Sep	20	R	Ch 1: P 1	Math Tests; Assignment Sheets:	NO LAB	
	20	L	Ch 1 S2 – 5; Ch 2 S1 – 3	Displacement, Velocity, Acceleration		
	20(22)		No Laboratory			
Sep	25	R	Ch 2 Q 1, 6, 7, 8	Concept questions and groupwork	Lab 1: Sonar Motion Detector & Graphs	
	25	L	Read Ch 2 S4 – 8; SAT 2.2, 2.3	Constant Acceleration		
	27	R	Ch 2 Q 10, 11, 13	Concept questions and Demo problems		
	27	L	Read Ch 1 S4 – 9	Trigonometry and Vectors		
	27(29)		Lab 1 Homework #1 Ch 2: P 2,5,7,10,58,14,23,26,28,44,46			
Oct	2	R		Groupwork and Quiz 1	Lab 2	
	2	L	Read Ch 3 S1 – 3; SAT 3.1	Vectors and Projectile Motion		
	4	R	Ch 1 Q 12, 13; Ch 3 Q 2, 3, 8	Concept questions and Demo problems		
	4	L	Read Ch 3 S3 – 5; SAT 3.2	Projectile Motion and Relative Velocity		
	04(06)		Lab 2: Distance & Velocity			
			Homework #2			
			Ch1 P24,26,33,34,42 Ch3 P6,18,20,24,22,35			
		Last day to drop without a "W"				
Oct	9	R		Groupwork and Quiz 2	Lab 3	
	9	L	Read Ch 4 S1 – 5, Example 20-pg 122	Newton's Laws, Forces		
	11	R	Ch 3 Q 11, 13, Ch 4 Q 1, 3, 5	Concept questions and Demo problems		
	11	L	Read Ch 4 S6, 8, 10; SAT 4.1	Applications of Newton's Laws		
	11(13)		Lab 3: Force Table			
		Homework #3				
		Ch 3 P 48,52,54,60 Ch 4 P 2,8,11,14,15				

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Oct	16	R	Groupwork and Quiz 3	Lab 4: Acceleration & Inclined Ramps
	16	L	Read Ch 4 S11, 12 Applications of Newton's Laws	
	18	R	Ch 4 Q 16, 23, 24, 27 Concept questions and Demo problems	
	18	L	Read Ch 4 S7, S1-2 Gravitational Force, and start of Friction	
	18(20)		Lab 4. Homework #4 Ch 4, P 34,36,73,48,50,61,66,67,78,102	
Oct	23	R	Ch 4 Q 12, 18, 20 Concept questions and Groupwork	NO LAB=Lecture
	23	L	Read Ch 11 S1 – 2 Friction	
	25	R	MIDTERM EXAM in recitation room	
	25	L	MIDTERM EXAM in recitation room	
	25(27)		Read Ch 5 S1 – 4, 7, 8; SAT 5.1 Homework #5 due Monday Chap 4 P 18,24,26,98,35,40,42,60,101,104	
Oct	30	R	Groupwork and Quiz 4	Lab 5: Force & Motion
	30	L	READ: Ch 5 S 5, Ch 6 S 1-2 Satellites, and Work	
Nov	1	R	Ch 5 Q 3, 5, 14 Ch 6 Q 5, 7 Concept questions and Demo problems	
	1	L	READ: Ch 6 S 2-5 SAT 6.1, 6.2 Work and Energy	
	1(3)		Homework #6 Ch 5 P 4, 12, 18, 30, 36, 40 Ch 6 P 4, 10, 12, 22 Last day to drop without petition	
Nov	6	R	Groupwork and Quiz 5	NO LAB
	6	L	READ: Ch 6 S 6 - 8, 10 Conservation of Energy; Power	
	8	R	Ch 6 Q 12, 14, 16 Concept questions and Demo problems	
	8	L	READ: Ch 7 S 1-3, 6 Linear Momentum, Collisions	
	8(10)		No Laboratory Homework #7 due Monday Ch 6 P 14,24,28,29,37,40,50,70,74	
Nov	13	R	Groupwork and Quiz 6	Lab 6: Collisions and Impulse
	13	L	READ: Ch 7 S 1, 5, 6; SAT 7.1 Impulse, Center of Mass	
	15	R	Ch 7 Q 3, 4, 6, 13 Concept questions and Demo problems	
	15	L	READ: Ch 8 S 1-5; SAT 8.1, 8.2 Rotational Motion: Kinematics	
	15(17)		Lab 6 Homework #8 Ch 7 P 16,22,45,49,46,28, 4,10,50,42,52	
Nov	20	R	Groupwork and Quiz 7	No Lab
	20	L	READ: Ch 9 S 1-3; SAT 9.1 Torque; Static Equilibrium	
	22	R	Ch 8 Q 3, 5, 6 Concept questions and Demo problems	
	22	L	READ: Ch 9 S 4 Applications of 2nd Law for Rotation	
		L	Homework #9 Ch8 P6,10,12,18,20,24,32,40,42,58 Ch9 P2,4	
Nov	27	R	Ch 9 Q 2, 3, 4 Groupwork and Concept questions	Lab 7: Torque
	27	L	READ: Ch 9 S 5-7; SAT 9.2 Rotational Dynamics	
	29	R	Ch 9 Q 13, 14, 15 Concept questions and Demo problems	
	29	L	Reviv for Final	
	Nov29 (Dec 1)		Lab 7	
Dec			Homework #10 Ch 9 P 64,16,30,32,36,62	

Make no commitment that will conflict with your scheduled final examination. You must see me (Office: O-282, Tel. 755-4036, email: popa.26 "at" osu.edu NO LATER THAN: Friday **Oct 20, 2006** if a conflict exists.