

PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2010, TUNKS & OLNESS					
#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/24/10	First Class	0	Introduction and course overview
2	THUR	08/26/10		1	Basic physical quantities - Ch. 1
3	TUE	08/31/10		2	Simple vibrating systems - Ch. 2
4	THUR	09/02/10		2	Vibrating systems (continued)
	TUE	09/07/10		3	Waves and wave propagation - Ch. 3
5	THUR	09/09/10		4	Complex vibration and resonance - Ch. 4
6	TUE	09/14/10		4	Complex vibration (continued)
7	THUR	09/16/10		5	The Ear and hearing - Ch.5 to p. 91
8	TUE	09/21/10		5	Hearing and review
9	THUR	09/23/10	EXAM 1	5	Chpts. 1-5
10	TUE	09/28/10		5	Go over Exam I; & Intensity: Ch.5, p.91-105
11	THUR	09/30/10		6	Timbre - Ch. 6
12	TUE	10/05/10		7	Frequency and Pitch - Ch. 7
13	THUR	10/07/10		8	Intervals and tuning - Ch. 8
	TUE	10/12/10	Fall Break		
14	THUR	10/14/10		8	Intervals and tuning - Ch. 8
15	TUE	10/19/10		8	Tuning (continued) and review for Exam II
16	THUR	10/21/10	EXAM 2		Chpts. 5-8
17	TUE	10/26/10		9	go over Exam II; and Room acoustics
18	THUR	10/28/10		9	Room Acoustics
19	TUE	11/02/10		10	Strings - Ch. 10
20	THUR	11/04/10	Drop Date	11	Strings (continued) and Woodwinds - Ch. 11
21	TUE	11/09/10		11	Woodwinds (cont)
22	THUR	11/11/10		13	Piano - Ch. 13
23	TUE	11/16/10		13	Piano (continued) and Voice
24	THUR	11/18/10			Voice (continued) and organ
25	TUE	11/23/10		12	Brass - Ch. 12
	THUR	11/25/10	Thanksgiving		
26	TUE	11/30/10		14	Brass (continued) and percussion - Ch. 14
27	THUR	12/02/10	Last Class	12	Percussion - Ch. 14
	FRI	Dec 10	FINAL EXAM		3:00-6:00pm FINAL EXAM 2010
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

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DAY	NOTES	#	LAB
Aug 30	FIRST LAB	1	Measurement and Errors
Sep 6	<i>Labor Day</i>		
Sep 13		2	Speed of Sound
Sep 20		3	Velocity of Sound in Resonant Tubes
Sep 27		4	Transverse Waves
Oct 4		5	Simple musical instruments:
Oct 11	Fall Break		
Oct 18		6	Computer based labs
Oct 25		7	<i>Fourier Transforms</i>
Nov 1		8	<i>Diffraction and Interference</i>
Nov 8		9	<i>Resonant Flame tube</i>
Nov 15		10	<i>Oscilloscope experiments</i>
Nov 22		11	<i>Standing wave patters in 2-D</i>
Nov 29		-	<i>last day to hand in labs</i>
Dec 6			
Dec 10	FINAL EXAM		3:00-6:00pm FINAL EXAM 2010