

<i>PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2012, TUNKS & OLNESS</i>					
#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/21/12	First Class	0	Introduction and course overview
2	THUR	08/23/12		1	Basic physical quantities - Ch. 1
3	TUE	08/28/12		2	Simple vibrating systems - Ch. 2
4	THUR	08/30/12		3	Waves and wave propagation - Ch. 3
5	TUE	09/04/12		4	Complex vibration and resonance - Ch. 4
6	THUR	09/06/12		4	Complex vibration (continued)
7	TUE	09/11/12		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	09/13/12		5	Hearing and review
9	TUE	09/18/12	EXAM 1	5	Chpts. 1-5
10	THUR	09/20/12		5	Go over Exam I; & Intensity: Ch.5, p.91-10
11	TUE	09/25/12		6	Timbre - Ch. 6
12	THUR	09/27/12		7	Frequency and Pitch - Ch. 7
13	TUE	10/02/12		8	Intervals and tuning - Ch. 8
14	THUR	10/04/12		8	Intervals and tuning - Ch. 8
15	TUE	10/09/12		8	Tuning (continued) and review for Exam II
16	THUR	10/11/12	EXAM 2		Chpts. 5-8
	TUE	10/16/12	Fall Break		
	THUR	10/18/12		10	Strings - Ch. 10
17	TUE	10/23/12		11	Strings (continued) and Woodwinds - Ch. 11
18	THUR	10/25/12		11	Woodwinds (cont)
19	TUE	10/30/12		13	Piano - Ch. 13
20	THUR	11/01/12	Drop Date	13	Piano (continued) and Voice
21	TUE	11/06/12			Voice (continued) and organ
22	THUR	11/08/12		9	Room Acoustics
23	TUE	11/13/12		9	Room Acoustics
24	THUR	11/15/12		12	Brass - Ch. 12
25	TUE	11/20/12		12	Brass (continued)
26	THUR	11/22/12	Thanksgiving		
27	TUE	11/27/12		14	Percussion - Ch. 14
28	THUR	11/29/12	Last Class	14	Project Presentations
	TUE	Dec 11	FINAL EXAM		Tuesday Dec. 11, 2012, 8am-11am
Adjustments may be made depending on student interests/needs and unplanned events					

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DAY	NOTES	#	LAB
Aug 27	FIRST LAB	1	Measurement and Errors
Sep 3	<i>Labor Day</i>		
Sep 10		2	Speed of Sound
Sep 17		3	Velocity of Sound in Resonant Tubes
Sep 24		4	Transverse Waves
Oct 1		5	Simple musical instruments:
Oct 8		6	Computer based labs
Oct 15	Fall Break		
Oct 22		7	<i>Fourier Transforms</i>
Oct 29		8	<i>Diffraction and Interference</i>
Nov 5		9	<i>Resonant Flame tube</i>
Nov 12		10	<i>Oscilloscope experiments</i>
Nov 19		11	<i>Standing wave patters in 2-D</i>
Nov 26		-	<i>last day to hand in labs</i>