

<i>PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2013, TUNKS & OLNESS</i>					
#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/27/13	First Class	0	Introduction and course overview
2	THUR	08/29/13		1	Basic physical quantities - Ch. 1
3	TUE	09/03/13		2	Simple vibrating systems - Ch. 2
4	THUR	09/05/13		3	Waves and wave propagation - Ch. 3
5	TUE	09/10/13		4	Complex vibration and resonance - Ch. 4
6	THUR	09/12/13		4	Complex vibration (continued)
7	TUE	09/17/13		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	09/19/13		5	Hearing and review
9	TUE	09/24/13	EXAM 1		Chpts. 1-5
10	THUR	09/26/13		5	Go over Exam I; & Intensity: Ch.5, p.91-10
11	TUE	10/01/13		6	Timbre - Ch. 6
12	THUR	10/03/13		7	Frequency and Pitch - Ch. 7
13	TUE	10/08/13		8	Intervals and tuning - Ch. 8
14	THUR	10/10/13		8	Tuning (continued) and review for Exam II
	TUE	10/15/13	Fall Break		
15	THUR	10/17/13	EXAM 2		Chpts. 5-8
16	TUE	10/22/13		10	Strings - Ch. 10
17	THUR	10/24/13		11	Strings (continued)
18	TUE	10/29/13		11	Woodwinds
19	THUR	10/31/13		11	Woodwinds (cont)
20	TUE	11/05/13		13	Piano - Ch. 13
21	THUR	11/07/13	Drop Date	13	Piano (continued) and Voice
22	TUE	11/12/13			Voice (continued) and organ
23	THUR	11/14/13		9	Room Acoustics
24	TUE	11/19/13		9	Room Acoustics
25	THUR	11/21/13		12	Brass - Ch. 12
26	TUE	11/26/13		12	Brass (continued)
27	THUR	11/28/13	Thanksgiving		
28	TUE	12/03/13		14	Percussion - Ch. 14
29	THUR	12/05/13	Last Class	14	Project Presentations
	WED	Dec 18	FINAL EXAM		Wednesday Dec. 18, 2013, 8am-11am
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

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DAY	NOTES	#	LAB
Aug 26	FIRST LAB	1	Measurement and Errors
Sep 2	<i>Labor Day</i>		
Sep 9		2	Speed of Sound
Sep 16		3	Velocity of Sound in Resonant Tubes
Sep 23		4	Transverse Waves
Sep 30		5	Simple musical instruments:
Oct 7		6	Computer based labs
Oct 14	Fall Break		
Oct 21		7	<i>Fourier Transforms</i>
Oct 28		8	<i>Diffraction and Interference</i>
Nov 4		9	<i>Resonant Flame tube</i>
Nov 11		10	<i>Oscilloscope experiments</i>
Nov 18		11	<i>Standing wave patters in 2-D</i>
Nov 25		-	<i>last day to hand in labs</i>