

<i>PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2014, TUNKS & OLNESS</i>					
#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/26/14	First Class	0	Introduction and course overview
2	THUR	08/28/14		1	Basic physical quantities - Ch. 1
3	TUE	09/02/14		2	Simple vibrating systems - Ch. 2
4	THUR	09/04/14		3	Waves and wave propagation - Ch. 3
5	TUE	09/09/14		4	Complex vibration and resonance - Ch. 4
6	THUR	09/11/14		4	Complex vibration (continued)
7	TUE	09/16/14		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	09/18/14		5	Hearing and review
9	TUE	09/23/14	EXAM 1		Chpts. 1-5
10	THUR	09/25/14		5	Go over Exam I; & Intensity: Ch.5, p.91-10
11	TUE	09/30/14		6	Timbre - Ch. 6
12	THUR	10/02/14		7	Frequency and Pitch - Ch. 7
13	TUE	10/07/14		8	Intervals and tuning - Ch. 8
14	THUR	10/09/14		8	Tuning (continued) and review for Exam II
	TUE	10/14/14	Fall Break		
15	THUR	10/16/14	EXAM 2		Chpts. 5-8
16	TUE	10/21/14		10	Strings - Ch. 10
17	THUR	10/23/14		11	Strings (continued)
18	TUE	10/28/14		11	Woodwinds
19	THUR	10/30/14		11	Woodwinds (cont)
20	TUE	11/04/14		13	Piano - Ch. 13
21	THUR	11/06/14	Drop Date	13	Piano (continued) and Voice
22	TUE	11/11/14			Voice (continued) and organ
23	THUR	11/13/14		9	Room Acoustics
24	TUE	11/18/14		9	Room Acoustics
25	THUR	11/20/14		12	Brass - Ch. 12
26	TUE	11/25/14		12	Brass (continued)
27	THUR	11/27/14	Thanksgiving		
28	TUE	12/02/14		14	Percussion - Ch. 14
29	THUR	12/04/14	Last Class	14	Project Presentations
	WED	Dec 17	FINAL EXAM		Wednesday Dec. 17, 2014, 8am-11am
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

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DAY	NOTES	#	LAB
Aug 25	FIRST LAB	1	Measurement and Errors
Sep 1	<i>Labor Day</i>		
Sep 8		2	Speed of Sound
Sep 15		3	Velocity of Sound in Resonant Tubes
Sep 22		4	Transverse Waves
Sep 29		5	Simple musical instruments:
Oct 6		6	Computer based labs
Oct 13	Fall Break		
Oct 20		7	<i>Fourier Transforms</i>
Oct 27		8	<i>Diffraction and Interference</i>
Nov 3		9	<i>Resonant Flame tube</i>
Nov 10		10	<i>Oscilloscope experiments</i>
Nov 17		11	<i>Standing wave patters in 2-D</i>
Nov 24		-	<i>last day to hand in labs</i>