

<i>PHYS 1320/ MPSY 5340/PHYS 3320: Spring 2012, TUNKS & OLNESS</i>					
#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	01/17/12	First Class	0	Introduction and course overview
2	THUR	01/19/12		1	Basic physical quantities - Ch. 1
3	TUE	01/24/12		2	Simple vibrating systems - Ch. 2
4	THUR	01/26/12		3	Waves and wave propagation - Ch. 3
5	TUE	01/31/12		4	Complex vibration and resonance - Ch. 4
6	THUR	02/02/12		4	Complex vibration (continued)
7	TUE	02/07/12		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	02/09/12		5	Hearing and review
9	TUE	02/14/12	EXAM 1	5	Chpts. 1-5
10	THUR	02/16/12		5	Go over Exam I; & Intensity: Ch.5, p.91-10
11	TUE	02/21/12		6	Timbre - Ch. 6
12	THUR	02/23/12		7	Frequency and Pitch - Ch. 7
13	TUE	02/28/12		8	Intervals and tuning - Ch. 8
14	THUR	03/01/12		8	Intervals and tuning - Ch. 8
15	TUE	03/06/12		8	Tuning (continued) and review for Exam II
16	THUR	03/08/12	EXAM 2		Chpts. 5-8
	TUE	03/13/12	Spring Break		
	THUR	03/15/12	Spring Break		
17	TUE	03/20/12		10	Strings - Ch. 10
18	THUR	03/22/12		11	Strings (continued) and Woodwinds - Ch. 11
19	TUE	03/27/12		11	Woodwinds (cont)
20	THUR	03/29/12		13	Piano - Ch. 13
21	TUE	04/03/12	Drop Date	13	Piano (continued) and Voice
22	THUR	04/05/12			Voice (continued) and organ
23	TUE	04/10/12		9	Room Acoustics
24	THUR	04/12/12		9	Room Acoustics
25	TUE	04/17/12		12	Brass - Ch. 12
26	THUR	04/19/12		12	Brass (continued)
27	TUE	04/24/12		14	Percussion - Ch. 14
28	THUR	04/26/12	Last Class	14	Percussion -continued
	WED	May 2	FINAL EXAM		Wed May 2, 2012, 3-6pm
<i>Adjustments may be made depending on student interests/needs and unplan</i>					

PHYS 1320/ MPSY 5340 Spring 2012 TUNKS & OLNESS

DAY	NOTES	#	LAB
Jan 23	FIRST LAB	1	Measurement and Errors
Jan 30		2	Speed of Sound
Feb 6		3	Velocity of Sound in Resonant Tubes
Feb 13		4	Transverse Waves
Feb 20		5	Simple musical instruments:
Feb 27		6	Computer based labs
Mar 5		7	<i>Fourier Transforms</i>
Mar 12	Fall Break		
Mar 19		8	<i>Diffraction and Interference</i>
Mar 26		9	<i>Resonant Flame tube</i>
Apr 2		10	<i>Oscilloscope experiments</i>
Apr 9		11	<i>Standing wave patters in 2-D</i>
Apr 16		-	<i>last day to hand in labs</i>
Apr 23			
Apr 30			