

PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2016, TUNKS & OLNESS

#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/23/16	First Class	0	Introduction and course overview
2	THUR	08/25/16		1	Basic physical quantities - Ch. 1
3	TUE	08/30/16		2	Simple vibrating systems - Ch. 2
4	THUR	09/01/16		3	Waves and wave propagation - Ch. 3
5	TUE	09/06/16		4	Complex vibration and resonance - Ch. 4
6	THUR	09/08/16		4	Complex vibration (continued)
7	TUE	09/13/16		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	09/15/16		5	Hearing and review
9	TUE	09/20/16	EXAM 1		Chpts. 1-5
10	THUR	09/22/16		5	Go over Exam I; & Intensity: Ch.5, p.91-100
11	TUE	09/27/16		6	Timbre - Ch. 6
12	THUR	09/29/16		7	Frequency and Pitch - Ch. 7
13	TUE	10/04/16		8	Intervals and tuning - Ch. 8
14	THUR	10/06/16		8	Tuning (continued) and review for Exam II
	TUE	10/11/16	Fall Break		
15	THUR	10/13/16		10	Strings - Ch. 10
16	TUE	10/18/16	EXAM 2		Chpts. 5-8
17	THUR	10/20/16		11	Strings (continued)
18	TUE	10/25/16		11	Woodwinds
19	THUR	10/27/16		11	Woodwinds (cont)
20	TUE	11/01/16		13	Piano - Ch. 13
21	THUR	11/03/16	Drop Date	13	Piano (continued) and Voice
22	TUE	11/08/16			Voice (continued) and organ
23	THUR	11/10/16		9	Room Acoustics
24	TUE	11/15/16		9	Room Acoustics
25	THUR	11/17/16		12	Brass - Ch. 12
26	TUE	11/22/16		12	Brass (continued)
27	THUR	11/24/16	Thanksgiving		
28	TUE	11/29/16		14	Percussion - Ch. 14
29	THUR	12/01/16	Last Class	14	Project Presentations
	MON	Dec 14	FINAL EXAM		Wednesday Dec. 14, 2016, 11:30am
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

PHYS 1320/ MPSY 5340 Fall 2016 TUNKS & OLNESS

DAY	NOTES	#	LAB
Aug 22	FIRST LAB	1	Measurement and Errors
Aug 29		2	Speed of Sound
Sep 5	<i>Labor Day</i>		
Sep 12		3	Velocity of Sound in Resonant Tubes
Sep 19		4	Transverse Waves
Sep 26		5	Simple musical instruments:
Oct 3		6	Computer based labs
Oct 10	Fall Break		
Oct 17		7	<i>Fourier Transforms</i>
Oct 24		8	<i>Diffraction and Interference</i>
Oct 31		9	<i>Resonant Flame tube</i>
Nov 7		10	<i>Oscilloscope experiments</i>
Nov 14		11	<i>Standing wave patters in 2-D</i>
Nov 21		-	<i>last day to hand in labs</i>