

KNW 2303/ PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2017

#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	08/22/17	First Class	0	Introduction and course overview
2	THUR	08/24/17		1	Basic physical quantities - Ch. 1
3	TUE	08/29/17		2	Simple vibrating systems - Ch. 2
4	THUR	08/31/17		3	Waves and wave propagation - Ch. 3
5	TUE	09/05/17		4	Complex vibration and resonance - Ch. 4
6	THUR	09/07/17		4	Complex vibration (continued)
7	TUE	09/12/17		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	09/14/17		5	Hearing and review
9	TUE	09/19/17	EXAM 1		Chpts. 1-5
10	THUR	09/21/17		5	Go over Exam I; & Intensity: Ch.5, p.91-100
11	TUE	09/26/17		6	Timbre - Ch. 6
12	THUR	09/28/17		7	Frequency and Pitch - Ch. 7
13	TUE	10/03/17		8	Intervals and tuning - Ch. 8
14	THUR	10/05/17		8	Tuning (continued) and review for Exam II
	TUE	10/10/17	Fall Break		
15	THUR	10/12/17		10	Strings - Ch. 10
16	TUE	10/17/17	EXAM 2		Chpts. 5-8
17	THUR	10/19/17		11	Strings (continued)
18	TUE	10/24/17		11	Woodwinds
19	THUR	10/26/17		11	Woodwinds (cont)
20	TUE	10/31/17		13	Piano - Ch. 13
21	THUR	11/02/17	Drop Date	13	Piano (continued) and Voice
22	TUE	11/07/17			Voice (continued) and organ
23	THUR	11/09/17		9	Room Acoustics
24	TUE	11/14/17		9	Room Acoustics
25	THUR	11/16/17		12	Brass - Ch. 12
26	TUE	11/21/17		12	Brass (continued)
27	THUR	11/23/17	Thanksgiving		
28	TUE	11/28/17		14	Percussion - Ch. 14
29	THUR	11/30/17	Last Class	14	Project Presentations
	WED	Dec 13	FINAL EXAM	Wednesday Dec. 13,2017, 11:30am - 2:30pm	
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

PHYS 1320/ MPSY 5340 Fall 2017 TUNKS & OLNESS

DAY	NOTES	#	LAB
Aug 21	FIRST LAB	1	Measurement and Errors
Aug 28		2	Speed of Sound
Sep 4	<i>Labor Day</i>		
Sep 11		3	Velocity of Sound in Resonant Tubes
Sep 18		4	Transverse Waves
Sep 25		5	Simple musical instruments:
Oct 2		6	Computer based labs
Oct 9	Fall Break		
Oct 16		7	<i>Fourier Transforms</i>
Oct 23		8	<i>Diffraction and Interference</i>
Oct 30		9	<i>Resonant Flame tube</i>
Nov 6		10	<i>Oscilloscope experiments</i>
Nov 13		11	<i>Standing wave patters in 2-D</i>
Nov 20		-	<i>last day to hand in labs</i>