

**KNW 2303/ PHYS 1320/ MPSY 5340/PHYS 3320: Fall 2019**

#	DAY	LECTURE:	NOTES:	Chpt	TOPIC
1	TUE	Aug 27	First Class	0	Introduction and course overview
2	THUR	Aug 29		1	Basic physical quantities - Ch. 1
3	TUE	Sep 03		2	Simple vibrating systems - Ch. 2
4	THUR	Sep 05		3	Waves and wave propagation - Ch. 3
5	TUE	Sep 10		4	Complex vibration and resonance - Ch. 4
6	THUR	Sep 12		4	Complex vibration (continued)
7	TUE	Sep 17		5	The Ear and hearing - Ch.5 to p. 91
8	THUR	Sep 19		5	Hearing and review
9	TUE	Sep 24	<b>EXAM 1</b>		<b>Chpts. 1-5</b>
10	THUR	Sep 26		5	Go over Exam I; & Intensity: Ch.5, p.91-1
11	TUE	Oct 01		6	Timbre - Ch. 6
12	THUR	Oct 03		7	Frequency and Pitch - Ch. 7
13	TUE	Oct 08		8	Intervals and tuning - Ch. 8
14	THUR	Oct 10		8	Tuning (continued) and review for Exam II
	TUE	Oct 15	<b>Fall Break</b>		
15	THUR	Oct 17		10	Strings - Ch. 10
16	TUE	Oct 22		11	Strings (continued)
17	THUR	Oct 24	<b>EXAM 2</b>		<b>Chpts. 5-8</b>
18	TUE	Oct 29		13	Piano - Ch. 13
19	THUR	Oct 31		13	Piano (continued) and Voice
20	TUE	Nov 05		11	Woodwinds
21	THUR	Nov 07	Drop Date	11	Woodwinds (cont)
22	TUE	Nov 12			Voice (continued) and organ
23	THUR	Nov 14		9	Room Acoustics
24	TUE	Nov 19		9	Room Acoustics
25	THUR	Nov 21		12	Brass - Ch. 12
26	TUE	Nov 26		12	Brass (continued)
27	THUR	Nov 28	<b>Thanksgiving</b>		
28	TUE	Dec 03		14	Percussion - Ch. 14
29	THUR	Dec 05	Last Class	14	Project Presentations
	WED	<b>Dec 18</b>	<b>FINAL EXAM Wednesday Dec. 18,2019, 11:30am - 2:30</b>		
<i>Adjustments may be made depending on student interests/needs and unplanned events</i>					

**PHYS 1320/ MPSY 5340 Fall 2019 OLNESS**

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