

PHYS 1320/ PHYS 3320: Fall 2024

DAY	LECTURE:	NOTES:	Chpt	TOPIC
TUE	Aug 27	First Class	0	Introduction and course overview
THUR	Aug 29		1	Basic physical quantities - Ch. 1
TUE	Sep 03		2	Simple vibrating systems - Ch. 2
THUR	Sep 05		3	Waves and wave propagation - Ch. 3
TUE	Sep 10		3	Waves and wave propagation - Ch. 3
THUR	Sep 12		4	Complex vibration
TUE	Sep 17		4	Complex vibration (continued)
THUR	Sep 19		5	The Ear and hearing
TUE	Sep 24		5	The Ear and hearing
THUR	Sep 26	EXAM 1		Chpts. 1-4
TUE	Oct 01		6	Go over Exam I; Timbre
THUR	Oct 03		7	Frequency and Pitch
TUE	Oct 08	Fall Break		
THUR	Oct 10		8	Frequency and Pitch
TUE	Oct 15		8	Intervals and tuning
THUR	Oct 17		8	Intervals and tuning
TUE	Oct 22	EXAM 2		Chpts. 5-8
THUR	Oct 24		11	Special Guest Michel Jurine
TUE	Oct 29		11	Strings Ch.10
THUR	Oct 31		11	Woodwinds Ch.11
TUE	Nov 05		13	Piano (continued) and Voice Ch.11
THUR	Nov 07	Drop Date	13	Brass - Ch. 12
TUE	Nov 12			Room Acoustics Ch. 9
TUE	Nov 12	EVENING 6pm		Perkins Chapel Organ Demo
THUR	Nov 14		9	Prof. Rob Frank
TUE	Nov 19		9	David Brown (Piano) Ch.11
THUR	Nov 21		12	Guitar (Charles Cochran)
TUE	Nov 26		12	Selected Topics
THUR	Nov 28	Thanksgiving		
TUE	Dec 03		14	Percussion - Ch. 14 (Tom Keck)
THUR	Dec 05	Last Class	14	Project Presentations

FINAL EXAM 2024 WED., DECEMBER 18 11:30 AM - 2:30 PM

Adjustments may be made depending on student interests/needs and unplanned events

PHYS 1320/ MPSY 5340 Fall 2024 BAKER & OLNES

DAY	NOTES	#	LAB
Aug 26		0	no lab
Sep 2	Labor Day		
Sep 9	FIRST LAB	1	Measurement and Errors
Sep 16		2	Speed of Sound
Sep 23		3	Velocity of Sound in Resonant Tubes
Sep 30		4	Transverse Waves
Oct 7	Fall Break		
Oct 14		5	Simple musical instruments:
Oct 21	<i>Rotating Lab</i>	6	Fourier Transforms
Oct 28	<i>Rotating Lab</i>	7	Diffraction and Interference
Nov 4	<i>Rotating Lab</i>	8	Resonant Flame tube
Nov 11	<i>Rotating Lab</i>	9	Oscilloscope experiments
Nov 18	<i>Rotating Lab</i>	10	Standing wave patterns in 2-D
Nov 25		-	last day to hand in labs