

## Tentative Syllabus

Text: John Backus The Acoustical Foundations of Music  
supplement: W.F. Fry Notes "Acoustics for Musicians"

Jan. 25	Fundamental Physical Quantities	Chapt. 1
Jan. 27	Oscillations	Chapt. 2; Fry VII
Feb. 1	Waves	Chapt. 3
Feb. 3	Waves	Chapt. 3
Feb. 8	Standing waves/ Resonances	Chapt. 4; Fry VII
Feb. 10	Vibrating Strings	Chapt. 4
Feb. 15	Pipes	Chapt. 4
Feb. 17	Perception of sound	Fry II, IV
Feb. 22	Perception of sound	Fry II
Feb. 24	FIRST EXAM (Chapt. 1-4)	
Feb. 29	Ear and hearing	Chapt. 5; Fry III
Mar. 2	Ear and hearing	Chapt. 5; Fry III
Mar. 2	Tone Quality	Chapt. 6
Mar. 7	Tone Quality	Chapt. 6
Mar. 9	Pitch and frequency	Chapt. 7
Spring Break		
Mar. 21	Scales	Chapt. 8
Mar. 23	Scales	Chapt. 8
Mar. 28	Woodwinds	Chapt. 11
Mar. 30	Woodwinds	Chapt. 11
Apr. 4	Voice	Chapt. 11
Apr. 6	SECOND EXAM (Chapt. 5-8)	
Apr. 11	Brass	Chapt. 12; Fry XVI
Apr. 13	Violin Family	Chapt. 10; Fry XV
Apr. 18	Violin Family	Chapt. 10; Fry XV
Apr. 20	Piano	Chapt. 13
Apr. 25	Piano	Chapt. 13
Apr. 27	Percussion	Chapt. 14; Fry XVII
May 2	Instruments	Chapt. 10-14
May 4	Acoustics of Rooms	Chapt. 9; Fry XVIII
May 9	Acoustics of Rooms	Chapt. 9; Fry XVIII
May 11	Acoustics of Rooms	Chapt. 9; Fry XVIII
May 19	FINAL EXAM (Chapt. 10-14,9)	