week	tuesday	thursday	lab	exam
1		8/25: review syllabus, why are you taking this class?		
2	8/30: what is sound, music? (chpt 1,2)	9/1: music terminology, scales, intervals (chpt 1,2)		
3	9/6: notes vs noise, pitch (chpt 3)	9/8: oscillations (periodic motion, SHM, resonance) (chpt 3)		
4	9/13: waves (superposition, interference, beats) (chpt 3)	9/15: waves (reflection, refraction, diffraction, Doppler) (chpt 3)	1	
5	9/20: timbre, harmonics, standing waves (chpt 4)	9/22: Fourier analysis/synthesis (chpt 4)	2	
6	9/27: plucked and bowed strings (chpt 5)	9/29: string instruments (chpt 5)	3	
7	10/4: oscillating air columns; open and closed tubes (chpt 5)	10/6: wind instruments (chpt 5)	4	exam 1 (10/4)
8	10/11: percussion instruments (inharmonicities) (chpt 5)	10/13: voice (vocal organs, vocal tract, formants, …)	5	
9	10/18: speech, singing	10/20: anatomy of human ear, Fechner's law, logarithms		
10	10/25: intensity vs loudness (SIL, dB) (chpt 6)	10/27: Fletcher-Munson curves (phon, sones) (chpt 6)	6	
11	11/1: pitch perception (critical band, JND, LFD)	11/3: missing fundamental, aural harmonics (chpt 5)	10	
12	11/8: attack & decay transients; con/dissonance (chpt 7)	11/10: room acoustics (reflections, echoes, resonances) (chpt 12)	7	
13	11/15: reverb time; acoustical criteria & design (chpt 12)	11/17: basic electricity (volts, current, energy, power)	8	
14	11/22: Faraday's law, microphones & speakers (chpt 12)	11/24: THANKSGIVING HOLIDAY		exam 2 (11/22)
15	11/29: musical scales and intervals (chpt 8)	12/1: circle of fifths, Pythagorean tuning (chpt 8)	9	
16	12/6: equal temperament, just tuning systems (chpt 8)	12/8: (7:30am-10:00am)		final exam (12/8)