week	tuesday	thursday	lab	exam
1		1/13: introduction, basic math review		
2	1/18: what is sound, music? (chpt 1,2)	1/20: musics terminology, scales, intervals (chpt 1,2)		
3	1/25: notes vs noise, pitch (chpt 3)	1/27: oscillations (periodic motion, SHM, resonance) (chpt 3)		
4	2/1: waves (superposition, interference, beats) (chpt 3)	2/3: waves (reflection, refraction, diffraction, Doppler) (chpt 3)		
5	2/8: timbre, harmonics, standing waves (chpt 4)	2/10: Fourier analysis/synthesis (chpt 4)	1	
6	2/15: plucked and bowed strings (chpt 5)	2/17: string instruments (chpt 5)	2	
7	2/22: oscillating air columns; open and closed tubes (chpt 5)	2/24: wind instruments (chpt 5)	3	exam 1 (2/24)
8	3/1: percussion instruments (inharmonicities) (chpt 5)	3/3: voice (vocal organs, vocal tract, formants, …)	4	
9	3/8: speech, singing	3/10: anatomy of human ear, Fechner's law, logarithms	5	
10	3/15: spring vacation	3/17: spring vacation		
11	3/22: intensity vs loudness (SIL, dB) (chpt 6)	3/24: Fletcher-Munson curves (phon, sones) (chpt 6)		exam 2 (3/24)
12	3/29: pitch perception (critical band, JND, LFD)	3/31: missing fundamental, aural harmonics (chpt 5)	6	
13	4/5: attack & decay transients; con/dissonance (chpt 7)	4/7: room acoustics (reflections, echoes, resonances) (chpt 12)	10	
14	4/12: reverberation time; acoustical criteria & design (chpt 12)	4/14: basic electricity (volts, current, energy, power)	7	
15	4/19: Faraday's law (electromagnetic induction)	4/21: generators & motors; microphones & speakers (chpt 12)	8	exam 3 (4/21)
16	4/26: musical scales and intervals (chpt 8)	4/28: circle of fifths, Pythagorean tuning (chpt 8)	9	
17	5/3: equal temperament, just tuning systems (chpt 8)	5/5: no class		final exam (5/7)