

# Schedule of EECS 210 Labs // Fall 2000

Week # Dates	What happens in the lab	Topic	What is due
Week #1 Sept 6 – 8	No lab activity	<b>Classes begin Wednesday Sept 6</b>	
Week #2 Sept 11 – 15	Lab lecture 1	<b>Learning the equipment;</b> waveforms and FFT spectra	Read yellow pages Unit 1
Week #3 Sept 18 – 22	Lab experiment 1	Signals in time and frequency domain; telephone tone dialer	Pre-lab 1 (notebook #1)
Week #4 Sept 25 – 29	Lab lecture 2	Measurement of resistance R, DC voltage V, and DC current I; <b>Lab safety;</b> resistance of own body	Lab report 1 (notebook #1)
Week #5 Oct 2 – 6	Lab experiment 2	Voltage dividers, batteries	Pre-lab 2 (notebook #2)
<b>Week #6 Oct 9 – 13</b>	<b><u>Lab exam</u></b>	<b>Measure DC voltages &amp; currents, FFT spectra</b>	
Week #7 Oct 16 – 20	Lab lecture 3 and Lab experiment 3	Audio amplifiers: frequency response, distortion and clipping	Lab report 2 (notebook #2) Pre-lab 3 (notebook #1)
Week #8 Oct 23 – 27	Lab lecture 4	Basic op amp circuits: <b>build and test your amplifiers</b>	Lab report 3 (notebook #1)
Week #9 Oct 30 – Nov 3	Lab experiment 4	Variable gain amplifier; summer; intermodulation products	Pre-lab 4 (notebook #2)
Week #10 Nov 6 – 10	Lab lecture 5 and Lab experiment 5	Ideal and non-ideal amplifiers; Noise and Differential amplifiers; Differential temperature sensor	Lab report 4 (notebook #2) Pre-lab 5 (notebook #1)
Week #11 Nov 13 – 17	Lab lecture 6	Transfer functions of simple filters; phase measurement	Lab report 5 (notebook #1)
Week #12 Nov 20 – 24	No lab activity	<b>Have a Happy Thanksgiving!</b>	
Week #13 Nov 27 – Dec 1	Lab experiment 6	Tone control amplifier	Pre-lab 6 (notebook #2)
Week #14 Dec 4 – 8	Open Audio Lab	<b>Assemble an audio system from the circuits you built and tested; listen to your music!</b>	Lab report 6 (notebook #2)
Week #15 Dec 11 – 13	No lab activity	<b>Classes end Wednesday Dec 13</b>	

The 2<sup>nd</sup> and 3<sup>rd</sup> attempts to take the Lab exam for students who failed will be scheduled by appointment.