

Goals for Week 1

1. Watch the [Electrical Safety Videos](#)
2. Identify a laboratory partner and add your names to the [Laboratory Teams](#) sign-up sheet
3. [install Matlab®](#) on your laptop
4. [Install Waveforms](#) from Digilent on your laptop
5. [Install NGspice](#) on your laptop
6. [Configure NGspice](#) on your laptop
7. Purchase
 - (a) Laboratory Notebook
 - (b) Digilent “Analog Discovery 2 or 3” 100 MS/sec oscilloscope, function generator, and logic analyzer
 - (c) BNC Adaptor Board for the Analog Discovery
 - (d) Dual-output 12 V (± 100 mA) USB power supply (PowerBrick)
8. Obtain (during ECE 214 Lab)
 - (a) BNC to alligator clip cable
 - (b) (2) 60 MHz X1-X10 Oscilloscope Probes
 - (c) Electrical Breadboard
 - (d) Digital Multimeter (DVM)