ELE 206 Lab 1 Introduction to Arduino   Spring 2014

Part 1
1. Set up the Arduino on a computer of your choice
2. Read introduction topics: http://arduino.cc/en/Guide/HomePage
3. Get pdf copies of learning, getting started and reference from: http://arduino.cc/playground/Main/ManualsAndCurriculum
4. Run each of the Basic experiments from the IDE; understand what they do

Part 2

1. Develop a program to turn an led on for 2 seconds and off for one second on pin 9
2. Use the serial monitor to change blink rate of the led on pin 9, so you can type in values as it is running from the terminal. Do this for one digit first then try it for two; specify what your blink rate is as a function of input numbers from the serial port.
3. For next week get a pdf copy of the Arduino Notebook v1.1 and read it (less than 40 pages): http://arduino.cc/playground/Main/ManualsAndCurriculum

Submit your write up each week electronically to our TA Jerry Wang. It should be less than one page for each part of these labs; use some screen captures to show your work. Follow the write up format given in the class handout. Be sure to include your code with appropriate comments included.