

Week 3 homework***Due date reminder, etc.***

Please email your completed assignment to the course TA by Thursday, 5 pm of next week. Assignments that are late by at most one week will receive at most 50% of full credit. We will not grade anything submitted more than one week late.

When your homework submission includes one or more Arduino code files, please use the template **p398dlp_template.ino** as the starting point for your code. (I have it posted to the course homeworks web page.) Please fill in ***all*** of the fields shown in the template file.

In addition, your homework submissions—code, cell phone photos, etc. must include enough identifying information for us to tell who you are!

Problem 1.

By now your bread boards probably have nearly all the components you'll need for your project. Please install everything else and run some test code on each device. Show us screen shots that prove that each component is working in a sensible fashion.

Problem 2.

Working with other members of your group, write a single “data acquisition program” (we call this a “DAQ”) that reads/controls/... all your hardware, makes some measurements, and writes the measurement data to the SD card. Show us screen shots to prove that this works, including a listing of the material in the SD file as read by your laptops.