Final Project Parts Order Procedures

Provided Equipment

For the final project, you will have access to all the basic equipment in the lab, including the power supply, digital multimeter, function generator, and oscilloscope. You are also welcome to check out a National Instruments myDAQ and/or a portable multimeter. You will also have access to the basic analog parts in the lab, such as resistors, capacitors, LEDs, etc.

In addition to the above, we will also have some custom supplies available for this specific project. These will include breadboards, battery packs, water beakers, trays, etc. In short, you should only have to worry about ordering components that are part of your mechanism and sensor design.

Finding Components Online

By and large, you should be able to find almost everything you need from the following three sources:

www.mouser.com
www.digikey.com
www.jameco.com

The department is providing each group a **spending limit of $25**. Anything upwards of that will have to be paid for on your own. When noting down which parts you want, be sure to record the part number, part name, price, and quantity. If for any reason the part you want comes from somewhere else, we will order it for you (assuming that it's a reasonable company), but do try to find it on these three first.

Texas Instruments has a special program for university students for free parts, though their selection is admittedly smaller. Navigate to www.ti.com/university and browse their listings. If any are available, you should be able to "request free samples," provided that you make a student account. They can be shipped to 377 Cory or 380 Cory, where the staff will take care of the pickup and get it to you via your GSI. If a TI part is not listed or out of a stock, you can also contact them via email at univ@ti.com.

Placing Your Orders

To get your orders to the department staff, navigate to this Google spreadsheet: http://goo.gl/Y4SJ3

Note that there are 10 different sheets on this spreadsheet—navigate to that for your section. An example of how to enter your orders is at the top of each page. Simply add your group members to the next line on the sheet (make sure no one else is editing it first!). Then write down your part orders in the given format. Please try to keep the sheets clean—if they become hard to parse, it may delay the orders and thus your projects.