Lab 0: Introduction to UF 68HC12 Development Board and your TA

OBJECTIVES
In this lab (and in part of the next lab), you will learn how to solder and to debug a board as you are building it. Since your TA will be there to help, your goal should be to complete as much of the board construction as possible during this lab period.

Meet your TA. Get to know him/her. Understand the lab policies. Give your TA a grade book password with a maximum of 10 alphanumeric digits.

REQUIRED MATERIALS
- Website documents
  - UF 68HC12 Development Board Manual (board v3.0, manual v3.47)
  - Lab Rules and Policy
  - Parts List
  - UF68HC12 Board Construction
- UF 68HC12 Development Board Kit (purchased at Electronics Plus)
- Multimeter (from 3701)
- Power Supply (from 3701)
- 4744 lab kit (given to you in your first lab)

SUGGESTED MATERIALS
- Wire wrap tool
- Soldering iron

PRELAB REQUIREMENTS
Print out and bring all of the documents in the required material. Watch Dr. Lynch’s Soldering and Wire-wrap video during class.

Note: Prelab requirements must be accomplished PRIOR to coming to your lab.

LAB PROCEDURE
After watching your TA demonstrate proper soldering and wire-wrapping techniques, begin following the UF68HC12 Board Construction handout.

LAPTOP COMPUTERS
Students are strongly encouraged to bring and use their own personal laptops in upcoming labs. If time permits, you can download and install the software used in our course (if you have not already done so).