

EECS 216 Winter 2008
Lab 0: Suggested Exercise
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1 Introduction

The labs will officially start with Lab 1, which is now posted in the **Lab Materials Resource Folder**. Your lab GSI will be available for consulting on the PRE-LAB 1 Assignment for the first hour of every Lab section. You are **STRONGLY ENCOURAGED**—though not absolutely required—to attend lab that week in order to familiarize yourself with the instrumentation in a non-stressful environment.

Please use the lab coversheet when turning in your lab assignments. It really helps us in keeping track of your work and making sure your grade is correctly recorded.

2 Suggested exercise in lab

Connect the function generator to the oscilloscope, perhaps via a proto-board, read a signal on the scope, such as a square wave, grab the data using the ScopeConnect software. Save the data in the form of a graph and in the form of an Excel Spreadsheet. Later, read the spreadsheet into MATLAB and plot your waveform.

Details on how to do all of these steps are in given in LAB 1. Bring the In-Lab assignment with you and practice some of the steps. You will be very glad to have taken the time to do this. If you can do the suggested exercise, your lab will go very smoothly when you return the following week.

To Do: Go to the C-tools Laboratory Assignments resource folder. Download and read the following four (4) documents.

- (a) Introduction (general information on the labs)
- (b) Lab 1 Pre-lab
- (c) Lab 1 In-lab and Post-lab (all one document)
- (d) Appendix on how to use the Agilent oscilloscope.

The pre-labs are due at the **BEGINNING** of your lab section and will be collected by your GSI. The post-lab assignments will be due **IN DISCUSSION** on Friday, the week following the lab session.

A lab coversheet will be posted soon. Use it when turning in your pre-lab and post-lab assignments.