

Lab 1

This lab is due on *Friday, March 26, 2010* in your discussion section. You must demonstrate your working lab to your TA in your assigned discussion section. Please contact your TA well ahead of the deadline if you have a question about these procedures.

This is a group assignment. However, your team will be assigned by the TA. You may collaborate with your lab partner on the implementation of the shared lab kit. You may not share your kit with other teams or accept pre-assembled kits from others. See Handout 1 (*Course Information*) for our policy on collaboration, plagiarism, and late polices. Plagiarism will result in severe penalties. Please mark the top of each page with your name, CS201, the problem set number and question, and the date.

Problem 4-1. Traffic Light (9 points)

During the March 12 lecture, you will begin to build the circuit that you designed in Prelab 1. You will be assigned to a team by your TA. You will receive a lab kit and electrical components, along with tools to help debug the hardware you build. You must demonstrate your working traffic light to the TA before the end of discussion on March 26. Your team will be graded on the correctness of your circuit, neatness, and your oral explanation of how it works.

If you wish to get started earlier, please check with your TA about borrowing materials ahead of March 12.

Problem 4-2. Team Work (1 points)

In 2-3 sentences, explain your role in the traffic light project. That is, what did you specifically do in your team project? How did your role complement your teammate's efforts? Each team member must submit this response separately.