**REQUIREMENTS NOT MET**

N/A

**PROBLEMS ENCOUNTERED**

N/A

**FUTURE WORK/APPLICATIONS**

The concepts of soldering learned in this prelab could be used for future soldering jobs in courses completely unrelated to this one. Or in jobs, or in casual hobby work.

**PRE-LAB EXERCISES**

**i. You cannot be late to your lab appointment time, but you can turn in your lab submissions late. How late, what are the penalties, and if so, how many times.**

**You can turn it in up to 24 hours late in exchange for a 25-point penalty. You can do this a maximum of two times**

**ii. What can I do if I miss my lab appointment, but I already submitted the lab document? What is the grade penalty?**

**You receive a zero for that lab. Except if you reach out to your PI to schedule a makeup lab. This can be used only once and results in a 10 point penalty.**

**iii. Other than Lab 0, when are your pre-lab submissions due to Canvas, with respect to the earliest lab demo dates, i.e., how many days before or after the earliest lab demo date? Be specific.**

**Usually, a few days before your demo date. From the course schedule, its atleast 1 day before your lab demo.**

**iv. Can you drop any (single) lab if you would rather go to the beach? How about if a project for another class is due?**

**Your lowest lab grade is dropped. No excuse is required. But you must submit the prelab.**

**v. Describe the lab makeup policy for a first missed (i.e., not submitted) lab.**

**You must miss atleast two labs, and have proper documentation showing an excuse for missing both labs. You cannot make up the first lab unless it was because an exam conflict or a sanctioned academic event. Your second lab will be made up.**

**vi. In your pre-lab report, what should be included with every measurement, screenshot, etc.?**

**Each piece of supporting information must include a caption describing what it is.**

**vii. What is the minimum combined weighted lab average and lab quiz average required for you to be eligible to pass the course?**

**65%**

**viii. In which section of your pre-lab report should any required screenshot be included?**

**Appendix**

**ix. Describe the process of taking measurements with a system such as an oscilloscope or logic analyzer. Additionally, include details regarding when precise frequency measurements are of interest.**

**When taking measurements, what must be displayed depends on the signal being analyzed.**

**If the signal is a periodic wave, 2-3 periods must be displayed on the entirety of the screen.  
  
 If the signal is not periodic, a correct time base must be chosen so that the signal occupies atleast  
 75% of the measurement screen.**

**x. In general, when soldering a wire to a pin, what should the soldering iron touch? What should the soldering iron not touch?  
 It should touch the pin and the board its being soldered to.**

**PSEUDOCODE/FLOWCHARTS**

**SECTION N/A**

N/A

**PROGRAM CODE**

**SECTION N/A**

N/A

**APPENDIX**

N/A