Read Lab 1.pdf completely and carefully, ask questions in person or via email.

Perform Lab 1 using the Atmel Studio Simulator Mode, the Atmel 328P(B) MCU board (kit) is not required for Lab 1.

The Atmel 328P and 328PB boards are the same boards for our purposes, either board will work in this course.

Look for 328P and 328PB xplained mini data sheets and user guides at www.microchip.com.

Complete and demo the checklist items for each lab on demo day. Rehearse your demo so it will proceed quickly on demo day. The lab demo is worth 15 points.

Include in your formal report what the GREEN highlighted sections ask for, these will be graded. The formal report is worth 20 points.

Be present for the scheduled in-class lab quiz. There will be one lab quiz for each of the labs. The lab quiz is worth 5 points.

Use Atmel websites, datasheets, manuals, and schematics for references, list these references under the reference heading of your report.

When writing an AVR assembly project, reference the m328pdef.inc file under dependencies in the solution explorer - this file contains all of the #define and .equ for the I/O registers and ports. Use these predefined labels in your assembly code.

About the formal report...

Follow the formal report do's and don'ts document when filling in the sections of the report template.

Rename and convert the report template.

My lab 1 report would be renamed and converted as follows:

Report Template.docx >>> RockeyL1.pdf

Proof read your formal report before submitting it via Blackboard.