

## **Grading for Experiment #1**

Hardware – 5pts

Functionality (Total 45 pts):

- UART\_Initialization – 15pts
- UART\_Transmit – 3pts
- UART\_Receive – 3pts
- Calling memory init functions and print byte – 3pts
- Delay Function – 4pts
- LCD\_Write function(s) – 4pts
- LCD\_Initialization function – 7pts
- Function to print strings to the LCD module – 6pts

Organization (10pts): Separating device drivers (microcontroller), hardware drivers (LCD Module) and application code. Use of constants to make reusing and porting code easier.

Readability (10pts): Source code is well commented. Descriptive names are used for functions, constants and variables.

Correctness (10pts): No patches or work-arounds are used in the source code to get the correct functionality. For example: using a different oscillator frequency than what is in the hardware to get the baud rate calculation to come out correctly.