CPE/EE 421/521: Laboratory Assignment 5

**Purpose**: To study MSP430 and learn how to utilize the Basic Clock Module, the Watchdog Timer, the UART, and A/D converter.

**Assignment #1 (50 points): MSP430 Temperature on HyperTerminal**
Write a C program that samples the integrated on-chip temperature sensor (analog input channel INCHx = 1010, see User’s Guide, Chapter 17 for details), calculates the temperature in degrees of Celsius and Fahrenheit, and sends it to the HyperTerminal. Use the same UART settings as in the previous laboratory.

**Assignment #2 (50 points): MSP430 Temperature on LCD**
Write a C program that samples the integrated on-chip temperature sensor (analog input channel INCHx = 1010, see User’s Guide, Chapter 17 for details), calculates the temperature in degrees of Celsius and Fahrenheit, and displays it at the LCD.