**Austin Sypolt**

**ECE 362**

**Pre-Lab #7 Interrupts**

**Introduction:**

**Laboratory 7.1: PWM, DC Motor Control using polling**

Objective/Purpose: We want to use the Pulse Width Modulation (PWM) to control the speed of the DC motor.

Expected Results:

Code:

Constants: SECTION

Port\_t equ $240

DDRAddress equ $242

Bit3set equ %00000100

LDS #\_\_SEG\_END\_SSTACK

Loop: brset Bit3set, loop

Bra loop1

Loop1:

Movb

**Lab 7.2: PWM, DC Motor Control using Real Time Interrupts**

Objective/Purpose:

Expected Results:

Code:

**Lab 7.3: Wall Clock**

Objective/Purpose:

Expected Results:

Code: