

## Fall 2016 PC/CP320 Integration Project Checklist (0.2)

- Basic requirements

- A. Sensors and Actuators

- 1. gets input from environment \_\_\_\_\_
    - 2. makes changes in environment based on inputs \_\_\_\_\_
    - 3. at least two different sensors \_\_\_\_\_
    - 4. at least two different output devices \_\_\_\_\_
    - 5. one analog or PWM sensor or actuator  
(must have *proportional* operation) \_\_\_\_\_

- B. Software

- 1. interacts with *operator* (on computer) \_\_\_\_\_
    - 2. no magic numbers \_\_\_\_\_
    - 3. self-explanatory variable and function names \_\_\_\_\_

- C. Documentation

- 1. circuit overview \_\_\_\_\_
    - 2. clear block diagram \_\_\_\_\_
    - 3. explanation of each block \_\_\_\_\_

Note: All interactions with the operator and the environment must be related; environment input should affect output to operator and input from operator should affect output to environment.