

# AME 3623: Project 5 Group Grading Rubric

March 28, 2017

Group number:

Team member names:

Team member claiming software component:

## **Implementation: 35 points**

### **Circuit: 5 points**

- (5) The IMU is connected properly to the circuit.
- (0) The IMU is not connected properly.

### **set\_hovercraft\_acceleration: 15 points**

- (15) Fully meets the given specification.
- (8) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

### **control\_step: 15 points**

- (15) Fully meets the given specification.
- (8) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

## **Demonstration: 30 points**

### **Rotation rate display: 10 points**

- (10) The rotation rate is reflected by the LEDs.
- (5) There is one problem with the rotation rate display.
- (0) The LEDs do not reflect rotation rate.

### **Damping controller: 10 points**

- (10) The damping controller resists rotations in both directions.
- (5) The damping controller only partially works.
- (0) The damping controller does not work.

### **Fan ramping: 10 points**

- (10) The central fan ramps up/down at the beginning/end of the control period.
- (5) The central fan ramping only partially works.
- (0) The program does not ramp the central fan.

**Documentation: 35 points**

**Project documentation: 5 points**

- (5) All required project-level information is given at the top of the C and H file(s), including: project number, date, group number, group members, and the group member responsible for the code.
- (3) One required piece of information is missing.
- (0) Two or more required pieces of information are missing.

**Function header documentation: 15 points**

- (15) All functions are documented with a high-level description, a description of each of the parameters, and a description of the return value (where appropriate).
- (10) One function is not documented properly.
- (5) Two functions are not documented properly.
- (0) Function header documentation is not given.

**In-line documentation: 15 points**

- (15) All functions include appropriate in-line documentation. (“appropriate” means that you capture the logic of a line of code or group of lines)
- (10) One function is missing in-line documentation.
- (5) Multiple functions are missing in-line documentation.
- (0) No in-line documentation is given.