

# AME 3623: Project 3 Group Grading Rubric

February 24, 2016

Group number:

Team member names:

Team member claiming software component:

## **Implementation: 35 points**

### **Circuit 5 points**

- (5) The circuit includes all required components (properly connected), including: H-bridge and power harness.
- (3) One component is missing or not connected properly.
- (1) Multiple components are missing or not connected properly.
- (0) No components are connected properly.

### **clip(): 6 points**

- (6) Fully meets the given specification (from project 2).
- (3) Fails to meet one aspect of the specification.
- (0) Does not meet the given specification.

### **set\_lift\_motor\_direction(): 6 points**

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

### **set\_lift\_motor\_magnitude(): 6 points**

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

### **set\_lateral\_motor\_magnitudes(): 6 points**

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

### **main(): 6 points**

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

**Demonstration: 30 points**

**Switch: 10 points**

- (10) Switch determines test type.
- (0) Switch does not function properly.

**Middle fan test: 10 points**

- (10) Middle fan test works properly.
- (5) Middle fan test has one problem.
- (0) Middle fan test does not function properly.

**Lateral fan test: 10 points**

- (10) Lateral fan test works properly.
- (5) Lateral fan test has one problem.
- (0) Lateral fan test does not function properly.

**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 and other effects (where appropriate).
- (10) One function is not documented properly.
- (5) Two functions are not documented properly.
- (0) Three or more functions are not documented properly.

**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.