## MeArm Grading Rubric

|               |                       | Points   |   |   |   |  |        |
|---------------|-----------------------|--|---|---|---|--|--------|
|               | Specific Items        | 4  | 3   | 2   | 1   | 0  | Weight |
| Construction  | MeArm<br>Construction | All parts and screws/nuts are included. Nice routing of wires.   | All parts and screws/nuts are included. Unorganized routing of wires.   | Missing one part<br>and/or<br>screw/nut.<br>Nice routing of<br>wires.   | Missing a few<br>parts and/or<br>screws/nuts.<br>Unorganized<br>routing of wires.   | Missing many<br>parts and/or<br>screws/nuts.<br>Unorganized<br>routing of wires. | 10%    |
|               | MeArm<br>Operation    | Straight line on<br>all three axes<br>(box-like<br>outline). There<br>are acceptable<br>jumps between<br>points but the<br>stopping points<br>are on a line. | Straight line on<br>all three axes<br>(box-like<br>outline). There<br>are variable<br>jumps between<br>points but the<br>stopping points<br>are generally on<br>a line. | Straight line on<br>two axes. There<br>are acceptable<br>jumps between<br>points but the<br>stopping points<br>are on a line. | Straight line on<br>one axis. There<br>are acceptable<br>jumps between<br>points but the<br>stopping points<br>are on a line. | Unable to move<br>along a straight<br>line on any<br>axes.                       | 50%    |
| Software      | Demo Code             | Submitted and includes useful comments.  |   | Submitted with little to no useful comments.  |   | Not submitted.   | 10%    |
| Documentation | Calibration<br>Sheet  | Submitted and all areas are completed.   |   | Submitted and some areas are not completed.   |   | Not submitted.   | 30%    |