

# Advanced Robotics

## Fall Final Project Rubric

You and your group must design a robot with an elevator lift that can work autonomously and manually through the remote control. It must retrieve a cup using the gripper and then transport it to a box and using the elevator feature drop it in the box.

Group Members: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

	1	2	3	4	5
<b>Robotic Design</b>	Students did not complete a robot	Students created a partial robot but it was not able to run	Students were able to complete a robot but parts were not stable	Students robotic design had a solid robotic design and most parts worked	Students robotic design was well built and all parts worked as designed
<b>Auto Program</b>	Students did not complete a program	Students tried to complete a program but did not finish	Students program was partially able to complete the maze	Students program worked but course correction was needed	Students program worked without any errors
<b>Remote Program</b>	Students did not complete a program	Students tried to complete a program but did not finish	Students program was partially able to complete the maze	Students program worked but course correction was needed	Students program worked without any errors
<b>Auto Completion</b>	Students did attempt to complete task	Students were not able to get out of the starting square	Students were able to get to the cup	Students were able to get the cup to the recycle bin	Students were able to complete the entire task
<b>RC Completion</b>	Students did attempt to complete task	Students were not able to get out of the starting square	Students were able to get to the cup	Students were able to get the cup to the recycle bin	Students were able to complete the entire task

Robotic Design Score: \_\_\_\_\_ x 10 = \_\_\_\_\_

Robotic Program Score: \_\_\_\_\_ x 10 = \_\_\_\_\_

Robotic Design Score: \_\_\_\_\_ x 10 = \_\_\_\_\_

Robotic Program Score: \_\_\_\_\_ x 10 = \_\_\_\_\_

Completion of Task Score: \_\_\_\_\_ x 10 = \_\_\_\_\_

Total Score: \_\_\_\_\_ / 250      Overall Grade: \_\_\_\_\_

**Comments:**