

Lab 5 Rubric

Names: _____ , _____

CM: _____

Out of	Description	Score
20	Plot of the experimental data and numerical simulation results from Lab 4 showing how the maximum residual swing angular velocity varies with the circular weight's location for the <i>single move strategy</i>	
20	Plot of the experimental data and numerical simulation results from Lab 4 showing how the maximum residual swing angular velocity varies with the circular weight's location for the <i>double move strategy</i>	
5	Completed Table W1 in the Lab 5 worksheet (comparison of numerical and experimental optimal location values)	
5	Discussion comparing the numerical and experimental optimal location values	
5	Discussion of the similarities and differences between the plotted experimental data and numerical simulation results for the average swing time as a function of the circular weight location	
5	Discussion of potential sources of discrepancies in the results	
10	Signed and dated printout of your Lab 5 Excel data sheet	
10	Completed Table W1 in the Lab 4 worksheet (numerical simulation results)	
10	Copy of your MATLAB m-file(s) and Simulink model used to run your simulation in Lab 4 and to plot the experimental data and numerical simulation results in the same figure for each move strategy	
90	Total	