P1310L, Angular Momentum
Lab 12, Raw Data Sheet

Submitted by: _____ Experiment's date: _____

Team members:

1.- _____ 2.- _____

3.- _____ 4.- _____

Instructor must initial:_____

Orbiting Puck

Follow the instructions on the lab manual and collect the following information.

Table 1: Spark Table Parameters

Puck's Mass (g)	Spark Frequency (Hz)

Table 2: Ellipse Semi-axes lengths

Major (cm)	Minor (cm)

Table 3: Distances between adjacent dots at one end of each Semi-axis

at Major (cm)	at Minor (cm)

Changing of Moment of Inertia

1. Follow the instructions on the manual and record your observations.

Spinning Bicycle Wheel

2. Describe what happens after you re-orient the wheel in step 4: shifting the angular momentum up 45 degrees off the horizontal.

3. Describe what happens after you re-orient the wheel in step 6: shifting the angular momentum down 45 degrees from the horizontal.

4. Describe what happens after you re-orient the wheel in step 9: shifting the angular momentum 45 degrees off the vertical.

5. Describe what happens after you re-orient the wheel in step 11: inverting the angular momentum from pointing up to pointing down.