

<input type="checkbox"/> PHYS1050 / <input type="checkbox"/> PHYS1250
Ref. (Staff Use) _____

**Pre-Laboratory Worksheet**  
**Experiment NE02 - Rotary Motions**  
**Department of Physics**  
**The University of Hong Kong**

**Name:** \_\_\_\_\_ **Student ID:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Remark: Please submit Pre-Laboratory Worksheet to laboratory technician when you arrive the laboratory**

How many times should each experiment be repeated? Why should the experiments be repeated?

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Refer to experiment 1, would you choose a smaller or larger R for this experiment to obtain more precise results? Why?

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Refer to experiment 3, what condition does the angular momentum in a system conserve? Derive the conservation law from this assumption. (Hint: Analogy with the law of conservation of linear momentum)

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