

## **HOMEWORK PRESENTATION**

**Due Date:** Refer to schedule

### **Objectives**

The objective of this homework assignment is to present your project to the class. The purpose of this task is to review our understanding of the statistical concepts and methods, how to apply them in real life situations, and how to express and communicate these concepts to a wider audience.

### **Presentation**

Prepare a PowerPoint presentation summarizing your entire project you have worked on this semester.

The presentation will be for no more than 10 minutes, with an additional 5 minutes for questions and answers. As a rule of thumb, a ten minute PowerPoint presentation will have 10 – 12 slides. You will be penalized for going over your allotted time. If you worked in a group, each member shall present some portion of the presentation.

### **Contents**

At a minimum, your presentation shall include the following:

1. State the objectives of your study
2. A summary of your data
3. Analysis: State the problem(s) and the specific dynamics method(s) you applied to address it. Show sample calculations, any assumptions that were necessary and how the data was applied in your equations. Briefly discuss any findings due to the fact that originally you used kinematics/ kinetics of a particle, but later applied rigid body motion.
4. Summary of your Results
5. Conclusions/ Recommendations

### **Submittal**

Though the clarity of your PowerPoint slides is relevant, selecting the “best” PowerPoint presentation is not the objective of this assignment. Do not spend countless hours preparing overly “fancy” PowerPoint slides. The overwhelming majority of the credit you earn from this assignment will be based on your understanding of the dynamics concepts, and how you have been able to apply them to your project. Review some of the relevant course materials to ensure you express yourself correctly, and interpret your results in a manner that meets engineering muster. For example if you are describing an object orbiting the sun you would mention aphelion, and not apogee, etc etc.