

EGS 2321 Engineering Analysis – Dynamics
Instructor: Dr. Kwabena Oforu, P.E.

Homework 1

Due Date:

Objectives:

The objective of this homework is to identify the topic you will be working on for your term project.

The submittal shall include the following items:

Title:

The title of your project

Introduction:

Provide a brief introduction to your topic. What is the background and what are you attempting to achieve? If you are reviewing a pre-existing report, what is the research question, or what events prompted the study to be conducted?

Motivation:

Briefly describe your motivation for selecting this topic. Why does it interest you?

Applications:

What are some of the topics learned (or to be covered) in this class that are relevant to your topic, and how do you intend to use them.

Computational Tools:

What tools will you be using to achieve the computational requirements? Though not required, if you will be applying programming skills you have learned in another class, list them here, e.g. Matlab, Mathcad, etc. If you will be performing your calculations manually or with a scientific calculator you may declare that too.

Group members:

If you are working in a group, list your group members and a tentative breakdown of each member's contribution to the project effort. A contribution shall involve some analysis or computational input. For example a group member cannot be responsible solely for typing up the reports, she or he must have some substantial contribution in terms of Dynamics.