

## GUIDED PRACTICE

Class: IE3270/L

Date assigned: Aug 30, 2018

Date due: Sept 4, 2018

Time estimate to complete this assignment: 1 hour

### Overview/Introduction

Learning the basic definitions/concepts related to systems, systems engineering, system life cycle, and system of systems.

### Learning Objectives

#### Basic objectives

1. Provide correct definition of system, the components of a system and the objective of a system.
2. Provide some examples of various systems they are interacting with in day to day life
3. Provide correct definition of different phases for creating a system.

#### Advanced objectives

1. Being able to define what a system is and justify why various examples that are given to them in class are or are not systems.
2. Define what system engineering is and explain different phases of a system life cycle.
3. Define system of systems and provide examples.

### Preparatory Activities and Resources:

1. Give detailed, action-oriented instructions for completing the Guided Practice assignment
  - a. Reading chapter 3, page 234-250 (1 hour)
  - b. Watching the videos available at the link: ... (30 minutes total)
  - c. Finish the quiz available at ... (5 min)
  - d. Finish the assignment available at .... (1 hour)
2. For more information related to the concepts covered at the video and reading materials, you can also read INCOSE handbook, page 67-88.

Exercises: Please complete by Sept 4, 2018.

- To submit your homework, please go to BB→Assignment Folder→ HWSept04 and upload your file by 11:59 pm on Sept 04, 2018.

### Questions?

Give a way for students to get help.

## Reflection Statement on Flipping

<p>Do you plan to try and flip one or more lessons in Fall 2017? If so, which ones?</p> <p>Only one class: IE3270/L</p>	<p>What time, energy, and other resources will you need to flip what you want to flip? (Be as specific as possible, since this will help as you start the project.)</p> <p>I think recording videos and putting the captions will take some time till I feel comfortable with them. Also, I need to find out how to incorporate quizzes in my videos.</p>
<p>How do you plan to get or find that time, energy, and resources? (Be as specific as possible, since this will help as you start the project.)</p> <p>I am working on the videos in August and will continue the recording process through September.</p>	<p>What questions do you still have, that you anticipate needing to answer as you flip?</p> <p>I want to know the best practices that help me to be more efficient and effective as I record the videos.</p>

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