

جامعة
الملك سعود
King Saud University



GE106
Introduction to Engineering Design
College of Engineering
King Saud University

Studio 7.

Practicing Problem Formulation

FALL 2022

Today's Activity (Part one: 45 minutes)

- Perform a group discussion with your team members to formulate your final design project
- Start with: “we will design-----to perform -----”
- Choose a proper title (up to 10 words)
- Answer the following questions: What? How? Why?
- Draw the objectives tree
- Assess needs (needed information)
- Identify at least one primary objective
- Identify at least one secondary objective
- Identify at least 4 constraints and 4 criteria
- Identify human factors issues in your design
- Identify specifications

Today's Activity (Part Two: 30 minutes)

- Each group reads out the results of their discussion
- Other groups are expected to criticize/evaluate