Studio 7.

Practicing Problem Formulation

SPRING 2016
Formulating your Final Design Project

• Today’s activity is what you will be presenting orally next week (for 10mn each group); so do it right!
• Your 2\textsuperscript{nd} oral presentation next week must include a complete problem formulation:
  ✓ Well chosen descriptive title
  ✓ Need analysis
  ✓ SMART objectives
  ✓ Constraints
  ✓ Criteria
  ✓ Human factors
Todays 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 do -----------
- Choose a good title (up to 10 words)
- Answer the following questions: What? How? Why?
- Draw the objectives tree
- Assess needs
- 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

Todays Activity (Part Two: 30 minutes)

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