Preliminary design

Bubble diagrams, Conceptual diagrams, 3-D drawings
Sharing in class

- Urban chic
- Versatility on architectural and non-architectural elements
- How to make a room into a multipurpose use space?
- How non-architectural elements can be used in multipurpose way?

- Analysis a precedent study about a tiny house
- What are these spaces? What are their functions?
  - Main room
  - Kitchenette
  - Eating area
  - Seating area
  - Bathroom
  - Closet area
  - Bedroom
Exercise – Analysis the design issues

1. Design problems – identify the issues
   - Provide all written information in your sketch book

2. Design situations – identify the issues
   - Provide all written information in your sketch book

3. Draw some conceptual diagrams in your sketch book
   - Responding to the design problems and solutions
   - Draw the diagram as shown in your sketch book
Design problems – identify the issues

- To fit the propose
- To accommodate activities
- To solve a problem in a new way
- To create something new or innovative
- To use spaces and put spaces together differently
- To understand and see in different way
Design situations – knowing and understanding

Need to understand

- Knowing the constraints, problems
- Client and activities of the space
- Goals of user
- Desires and needs of the user
- Nature of space
- Intention for the space and its user
Exercise – to draw and analysis the design issues
Analysis #1
Analysis #2
Step 1 - Generating alternatives bubble diagrams

- Come out with 5 bubble diagrams based on your tiny house plan
- Show circulation routes and views
Show good bubble diagram graphics

- Take pride in your diagram graphics
- Pay attention to the quality of the shapes you draw
- You can use shading and texture
  - To show a sense of hierarchy
Step 2 - Generating alternatives block diagrams

- Block out all 5 bubble diagrams with blocks
  - Show circulation routes and views
  - Show solid line for partition and dashed line for open space (window, door, low partition, opening)
  - Pay attention to details and line weights
Step 3 - Generating alternatives loose plans

- Turn in all 5 block diagrams into loose plans
  - Show windows, doors, and partitions
  - Show any built-ins, if possible
  - Pay attention to details and line weights
Final step - Generating alternatives preliminary plans

- Turn in all 5 loose plans into preliminary plans
  - to scale/eyeball to scale
- Hand-sketched only
  - Show wall thickness, architectural/non-architectural elements
  - Floor materials and generic furniture
  - Need to accommodate with verbal description
  - Show all built-ins
  - Pay attention to details and line weights