

➤ **Formation of groups/teams for discussion of student sketch models**

➤ **Assignment 02.01**

➤ **In Class – Materials and Ergonomic Studies – Interior/Exterior Studies**

Select one of your models to begin to investigate both materials and ergonomics. Research and identify materials options – the client has asked you to provide three options. Produce a 11 x 17 materials board. Focus on interior materials first and then exterior materials. You may need more than one 11 x 17 board to complete the study. Be thorough – remember the goal is to show the client options so you can get feedback to continue the project.

Produce a second 11 x 17 board that studies the ergonomics of your design. Produce plan and sectional ergonomic studies at the same scale as your models.. Remember that your family members are of different ages and sizes.

Other considerations:

What is the lighting, artificial or natural?

What is the durability & resiliency of your material choices?

Are your choices sustainable?

How will you integrate mechanical, electrical and plumbing systems?

To complete the assignment you need to provide a thorough report – give the reasoning that led to your choices. What are the advantages/disadvantages of the options?

Please post by the end of class.

➤ **Assignment 02.02**

➤ **Homework assignment - Materials and Ergonomic Studies – Interior/Exterior Studies**

Continue to develop the study you began in class. Post the updated study as part you homework.

Select two other distinct options and develop these as well in the same level of detail. If you care not satisfied with your base designs go back 1 step and work on developing a good base study first before you complete the materials research. It will help if you consider what type of space you are creating and your three studies should be different space types (kitchen, sleeping, working, etc.)

Illustrate each of these models by building a 3D model in the cad program of your choice. Add additional details as necessary to clarify your intent. Present these images as another 11 x 17 board.

The same considerations of the first study are also required.

Presentation will include:

- 3 - Study models (photographs posted on OpenLab- bring ALL models to class)
- 3 - 11 x 17 materials boards (Show both interior and exterior materials)
- 3 - 11 x 17 rendered images

Must be posted the night before class begins.