



Professors:

Email:

Office

DESIGN I : FOUNDATIONS : CUBE ASSIGNMENT 1

CUBE PROJECT: Use geometric proportions to derive a 6-sided form which addresses a given use.

OBJECTIVE: Students will learn to move from 2D lines into 3D form.

DESCRIPTION: The student will use the construction lines to design new abstract three dimensional shapes.

Lab & Homework: **EXERCISE 6**

PROCESS:

- 1 Set up 6 - 4"x4" boxes on a sheet of vellum. In each box you will develop a different grid system based on rhythm and proportion as discussed in class. Tools : Autocad & Illustrator. Label proportions and repetitions. Use layers in Adobe Illustrator to create transparencies and levels in the grid.
- 2 Apply each of the "rendered" 4"x4" grids to a 4" foam cube. Carefully consider how the lines wrap around the volume. Consider what happens to spaces in between the grid lines, at the edges and at areas with varies level indicated by the transparent or gradient fills.
- 3 Cut into the foam cube based on the lines of your grid. Use appropriate tools to get precise and detailed cuts per your 4"x4" grid drawing.
- 4 Take 3 high quality photos of each foam model. Pay close attention to light, shadow to highlight your forms. Each photo must fill an 11x17 page.
- 5 Create a 2D hand drafted multi-view drawing of your cube with shading to indicate depth on vellum.

SKILLS: Modeling in foam, composition, and problem solving

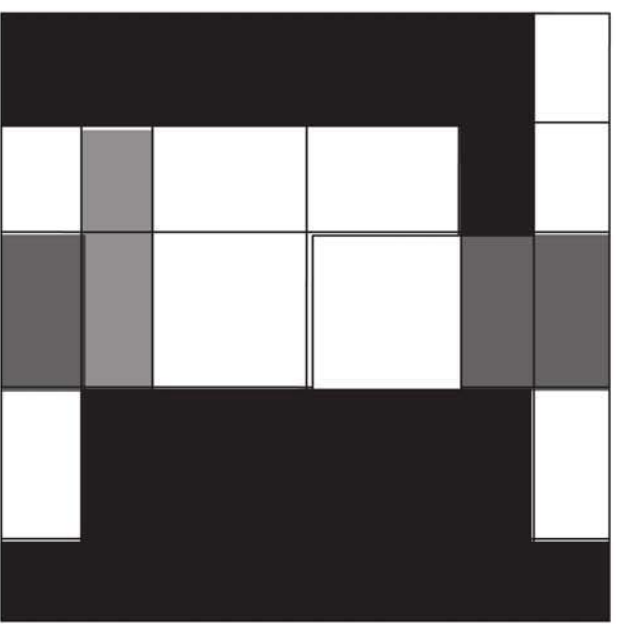
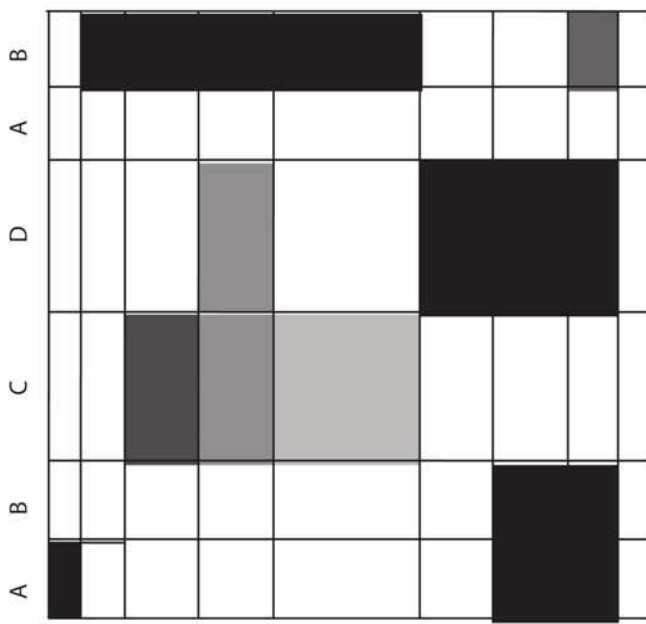
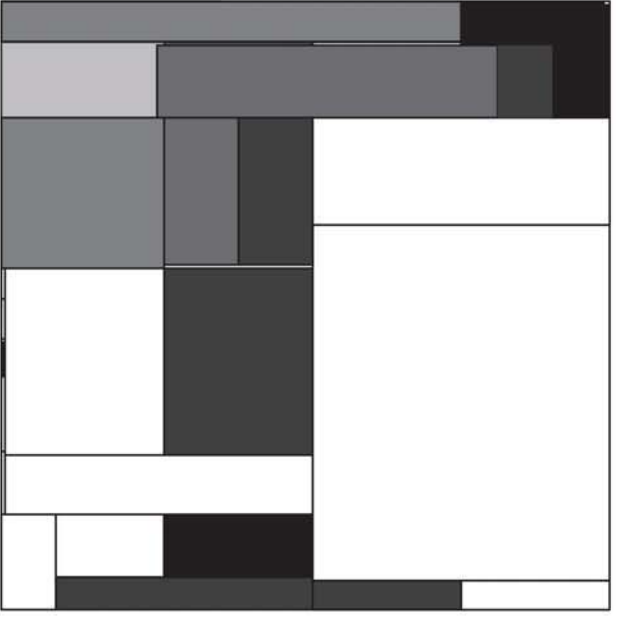
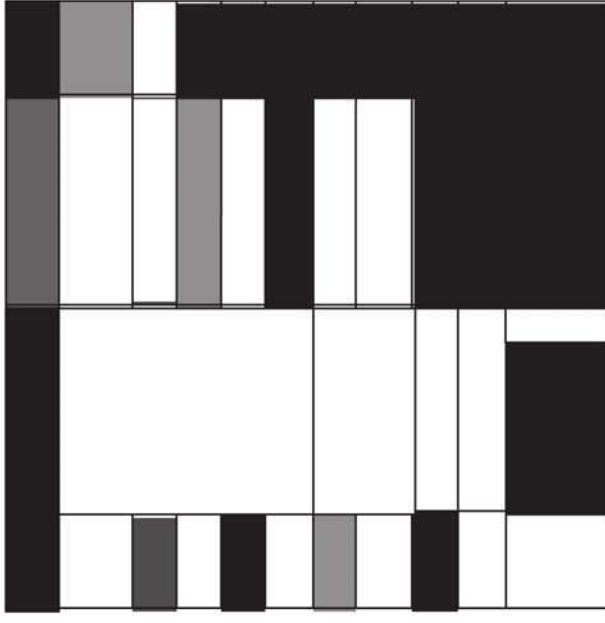
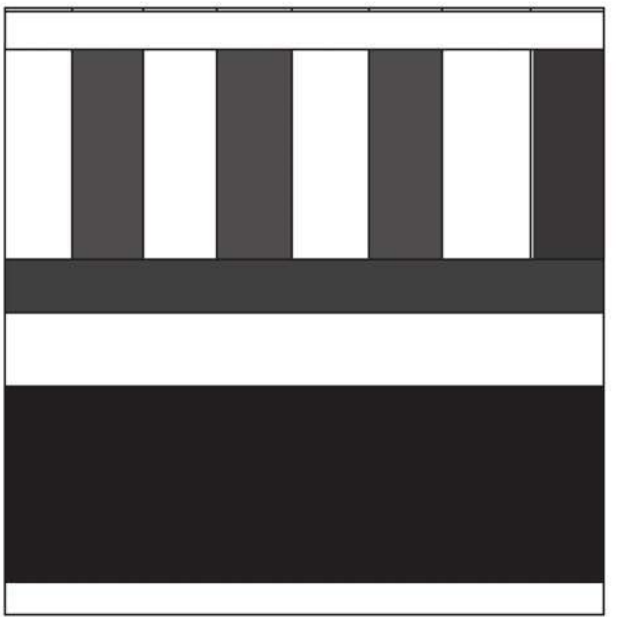
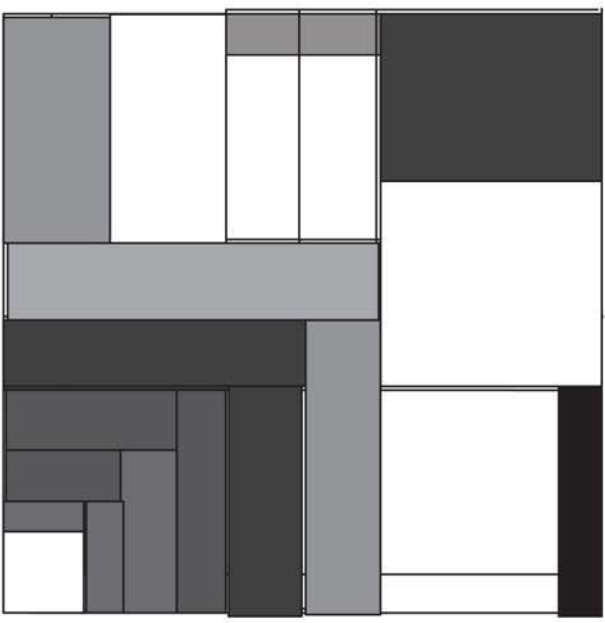
ARCH 1110

WEEK SEVEN/EIGHT: CUBE PART 1

STUDENT WORK SAMPLES

NYCCT

DEPARTMENT OF ARCHITECTURAL TECHNOLOGY



Anastasiia Shaiukova

CUBE PROJECT

