

# Delia Holban

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architecture portfolio

# Spatial Sequence

**Project Description:** Design a sequence of three structures in a park connected by a path using a kit of parts. Each space represents a season, (Fall, Spring, Summer).

**Concept:** The project creates quiet and secluded spaces that reconnect people with nature by interacting with the environment around the structures.

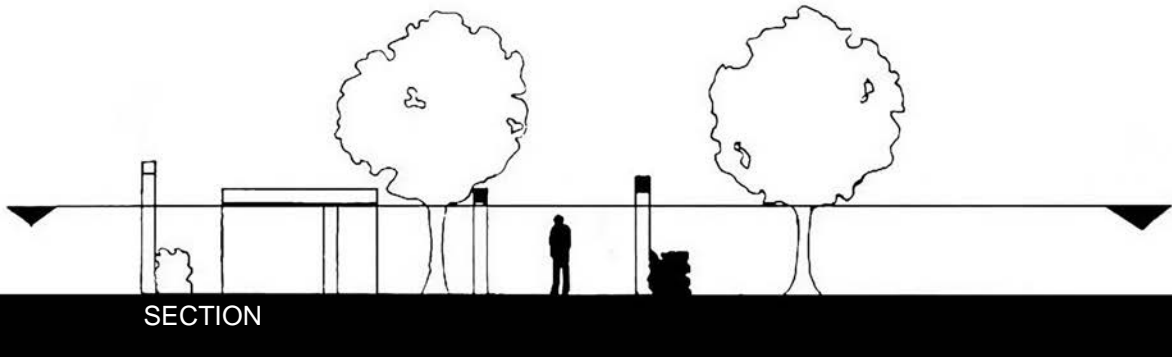
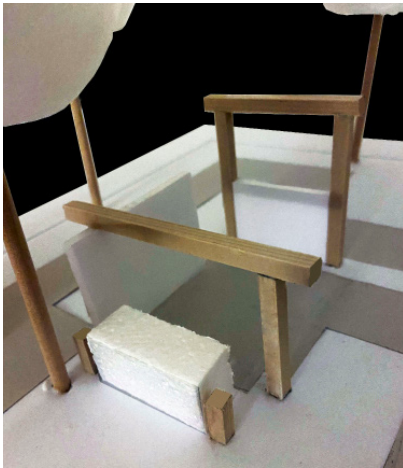
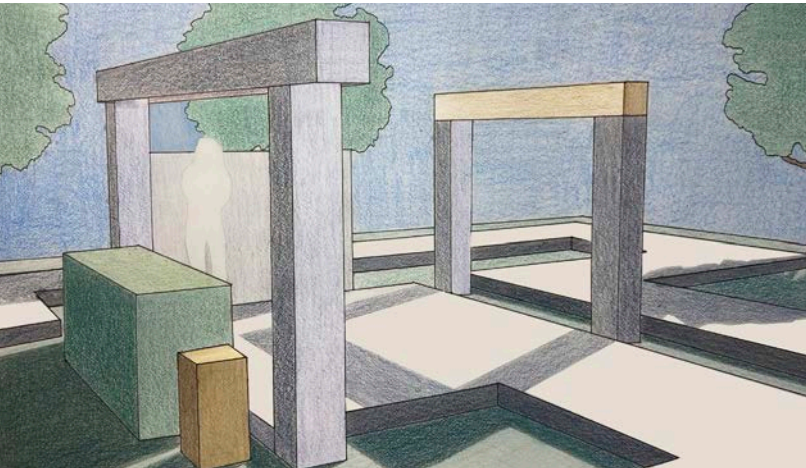
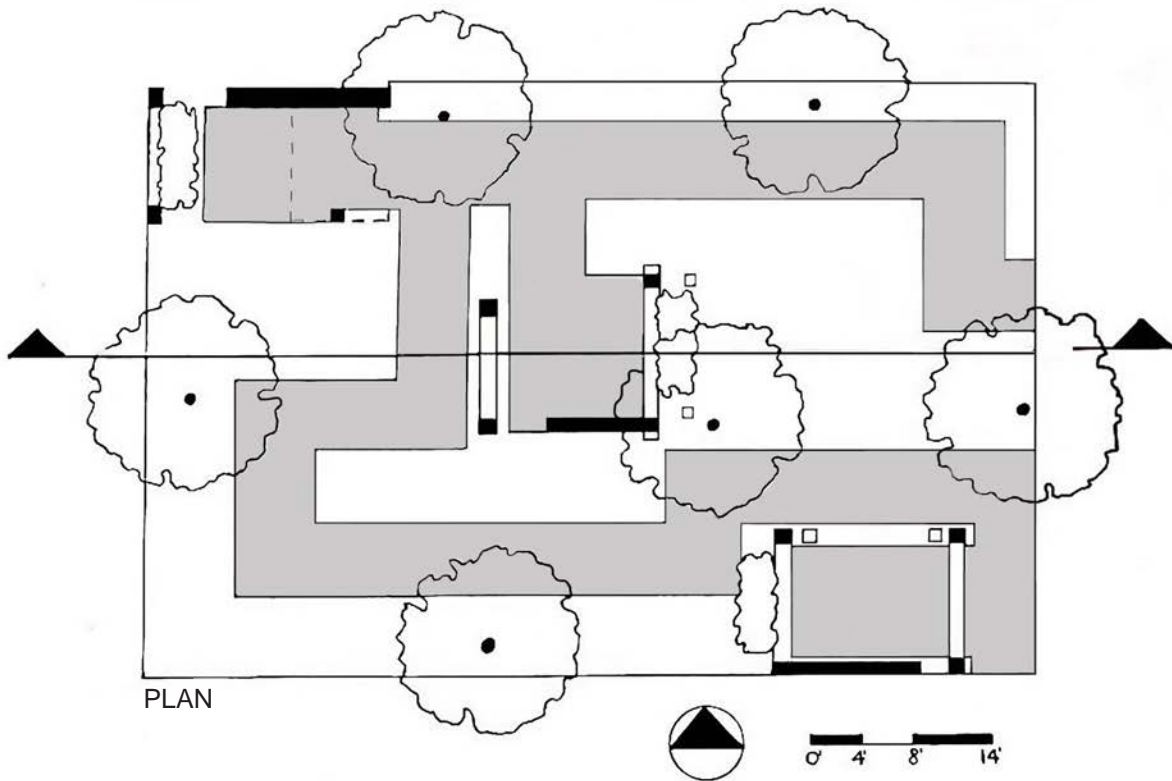
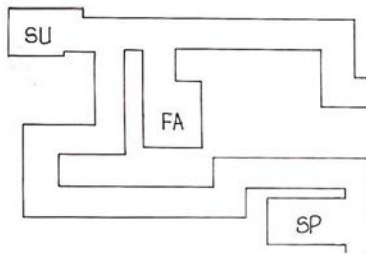
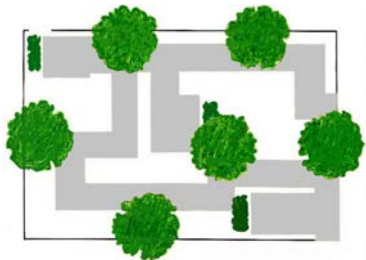
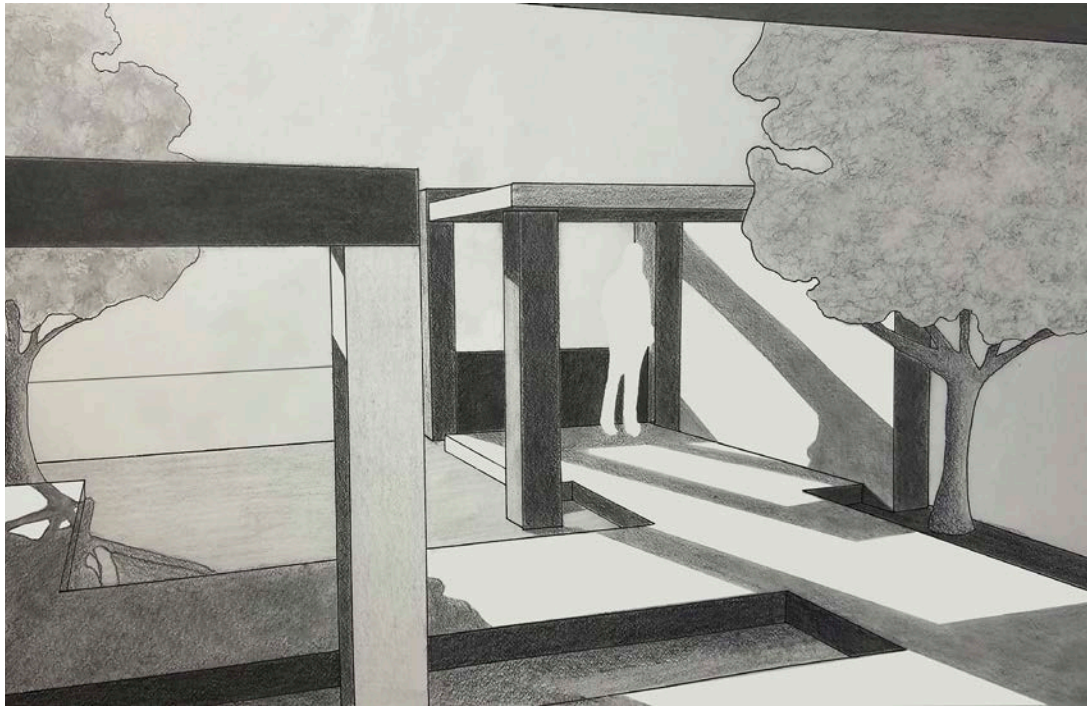
**Fall** tends to be windy and cold, which is why the space uses higher walls that block out gusts of wind and protect visitors from the cooler temperature.

**Spring** is usually sunny, but it can be cold, especially during the month of March. The Spring space is more open, but still provides some enclosure to protect from the fluctuating weather.

**Summer** is very hot, which is why the space was built with a small roof that covers half of the structure. In this way the roof provides shade and, at the same time, the open part provides sunlight during the day.

Course: Arch 1131  
Semester: Spring 2020

Duration: 3 weeks  
Professor: Jane Ostergaard



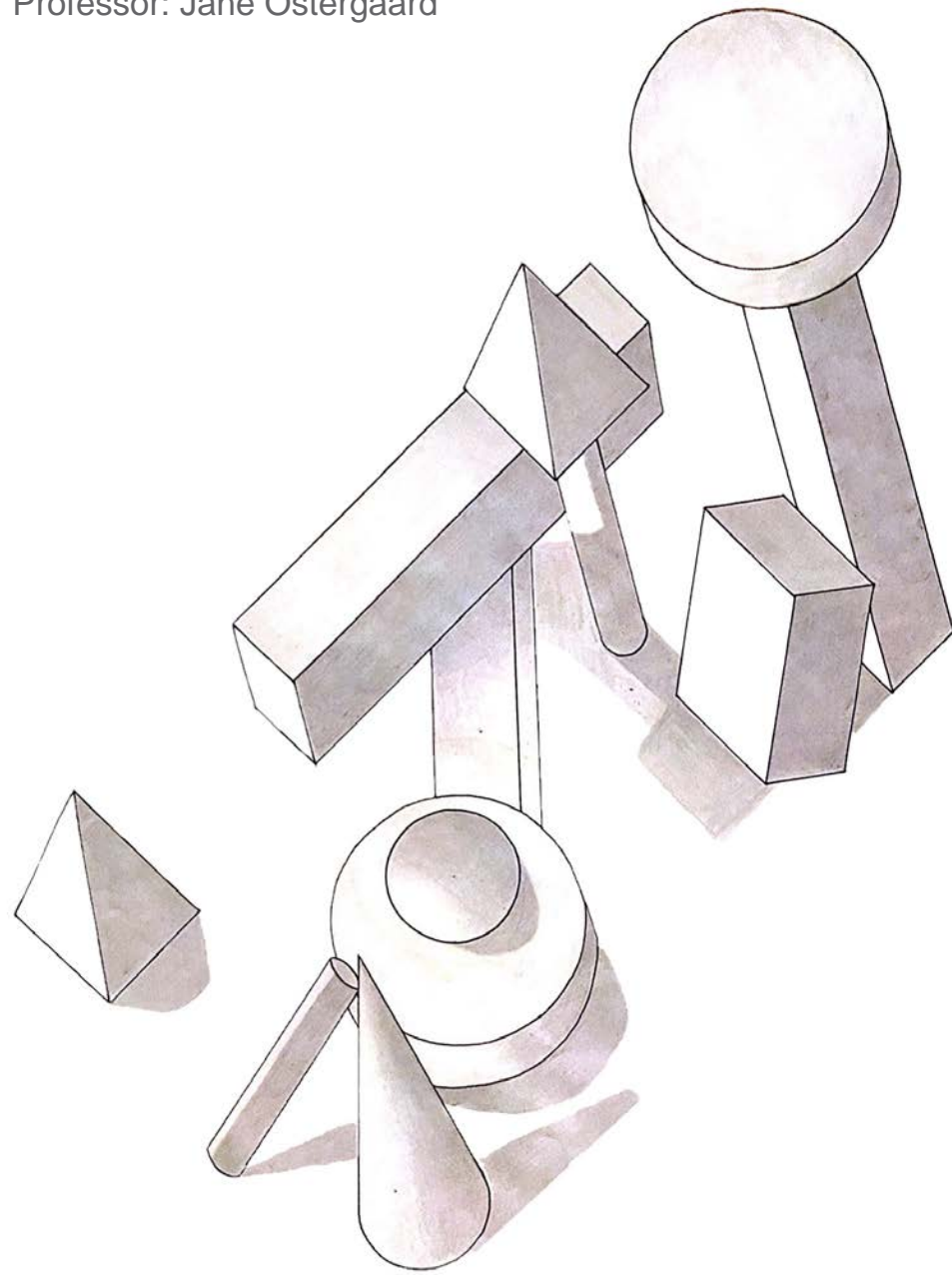


# Still Life

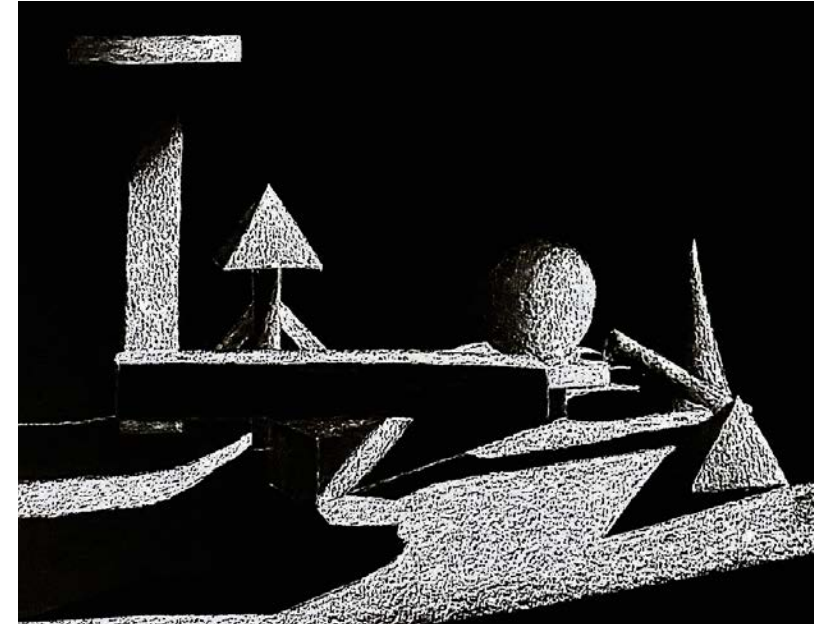
Course: Arch 1121  
Semester: Fall 2019

Duration: 3 weeks  
Professor: Jane Ostergaard

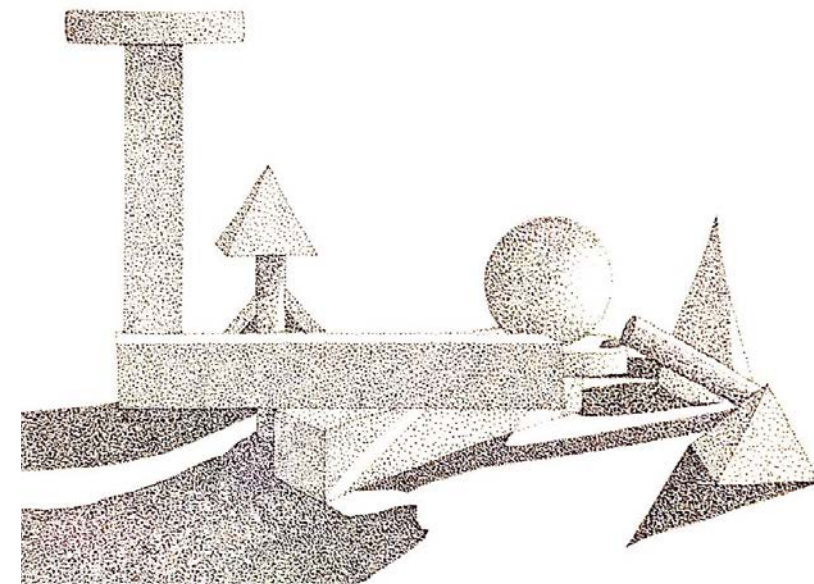
**Project Description:** Create an interesting assembly by crafting a series of different three-dimensional shapes, and using lighting to create defined shadows. The composition is recreated in an oblique drawing by using different mediums.



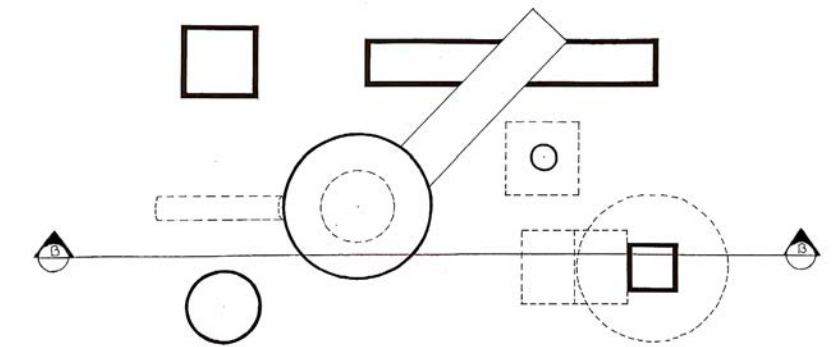
SHADOW DRAWING



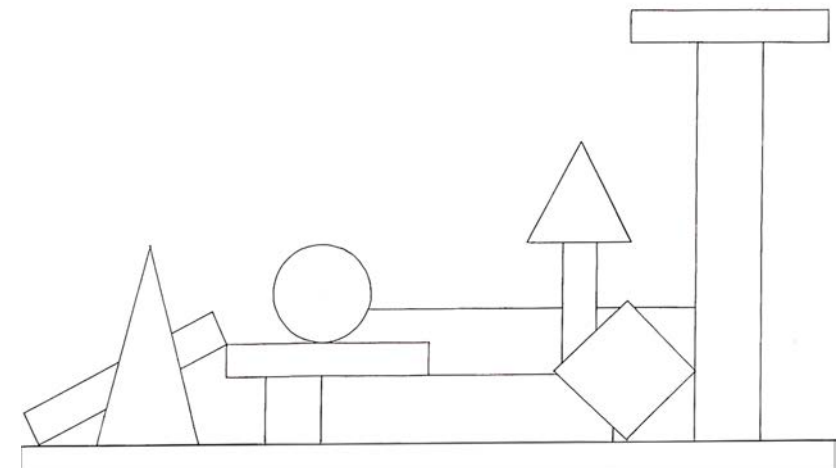
INK DRAWING



PLAN



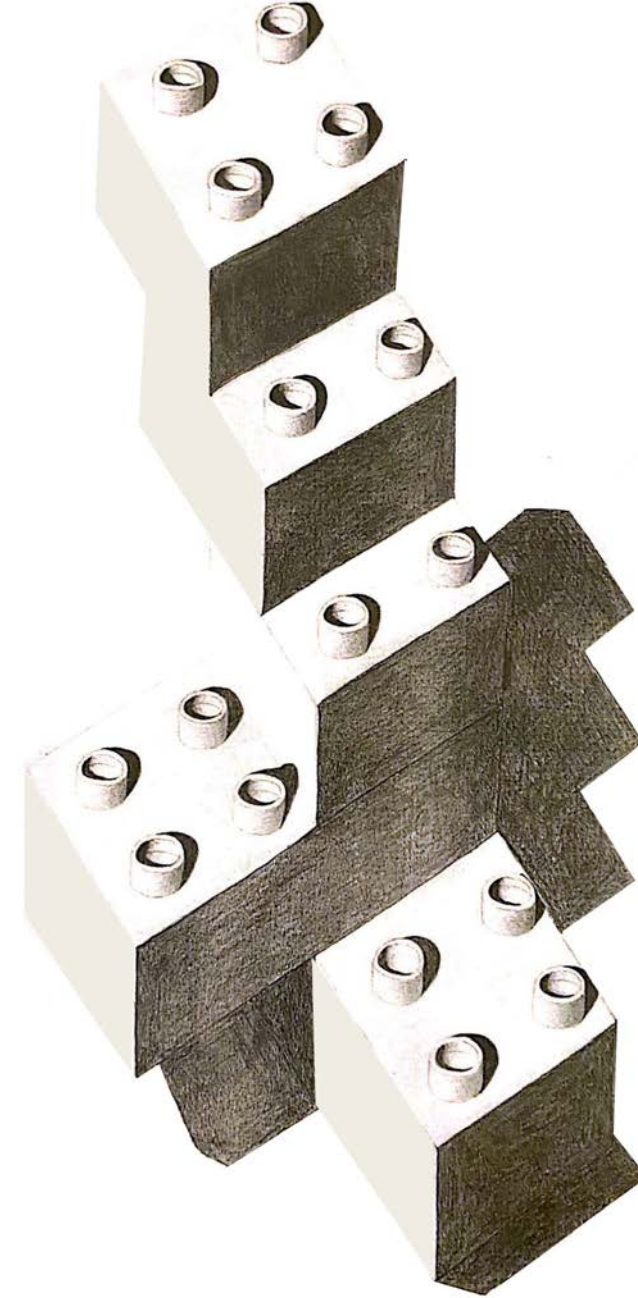
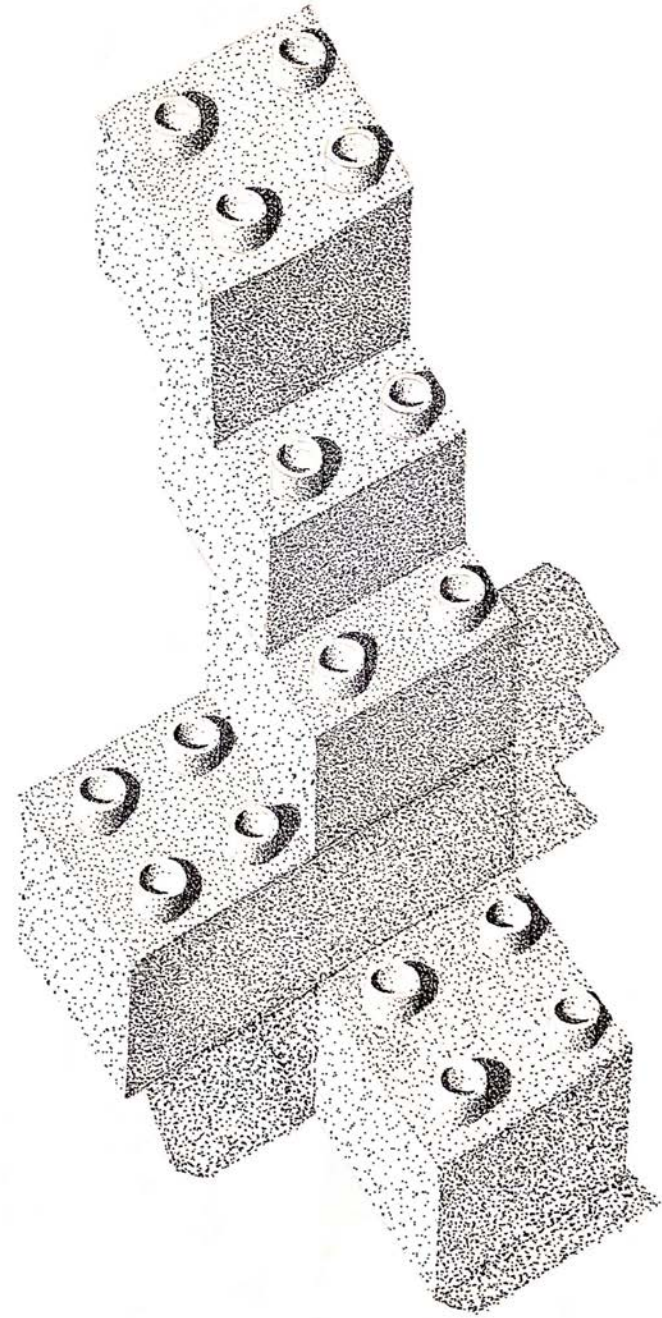
ELEVATION



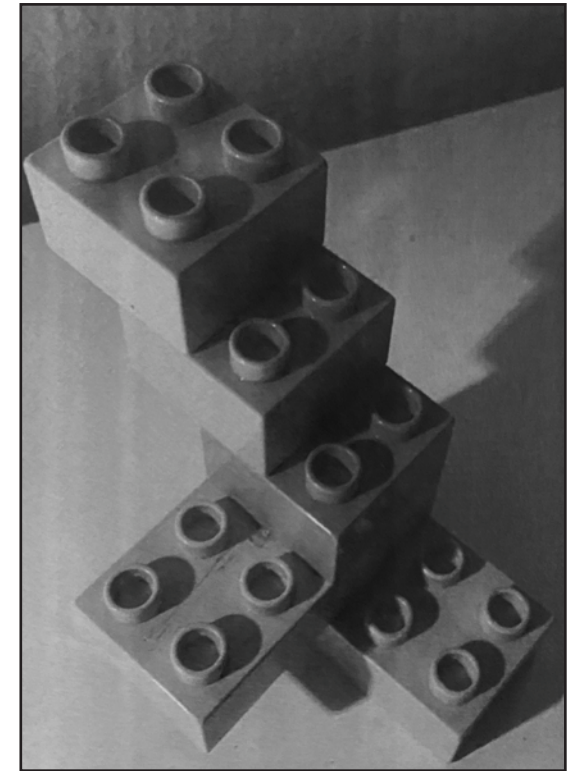


# Orthographic Drawings

Course: Arch 1121 Duration: 3 weeks  
Semester: Fall 2019 Professor: Jane Ostergaard



**Project Description:** After constructing an interesting shape from lego pieces, draw two orthographic drawings that visually recreate the actual shape. Both are drawn in two different mediums and techniques.



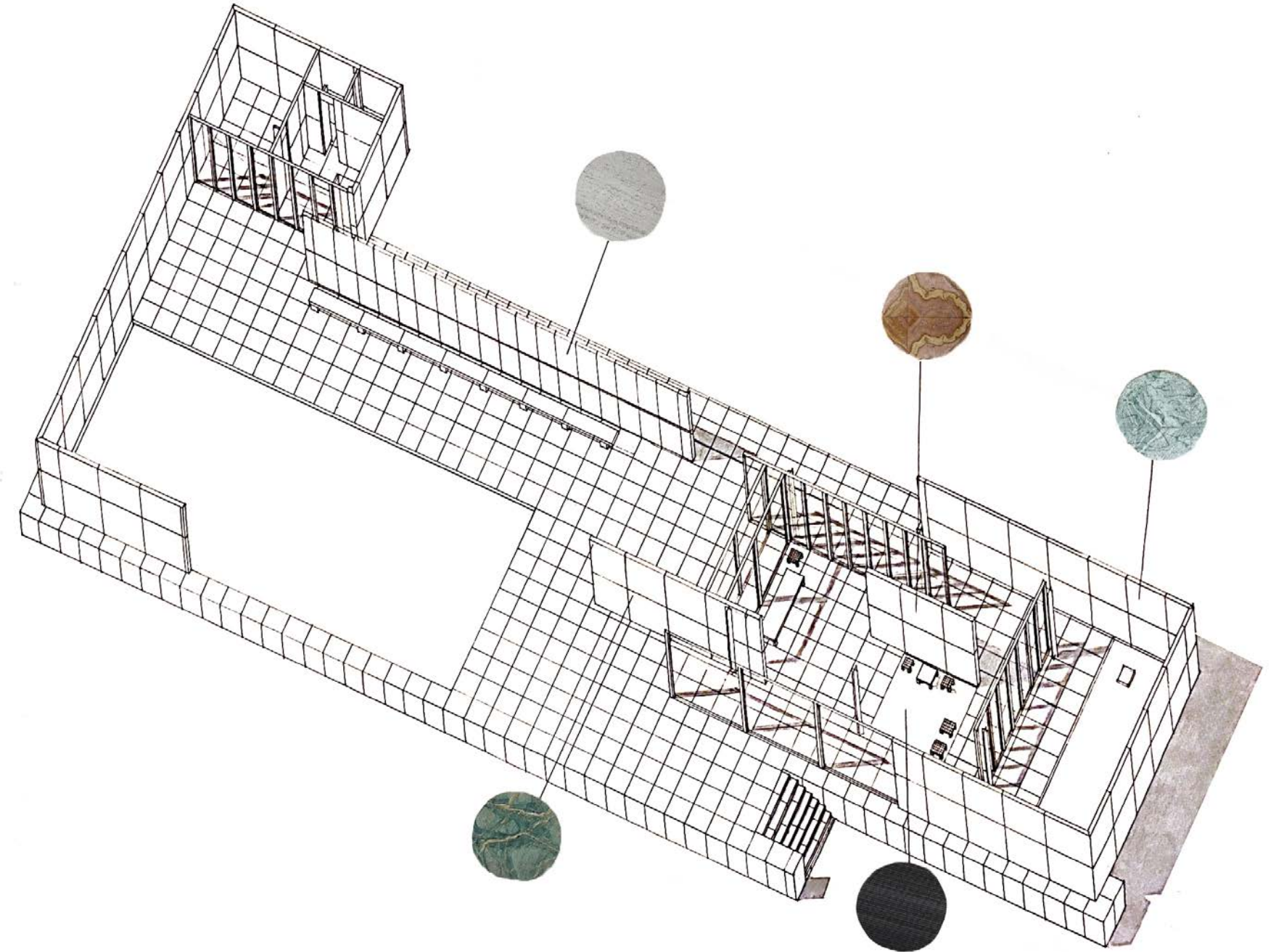
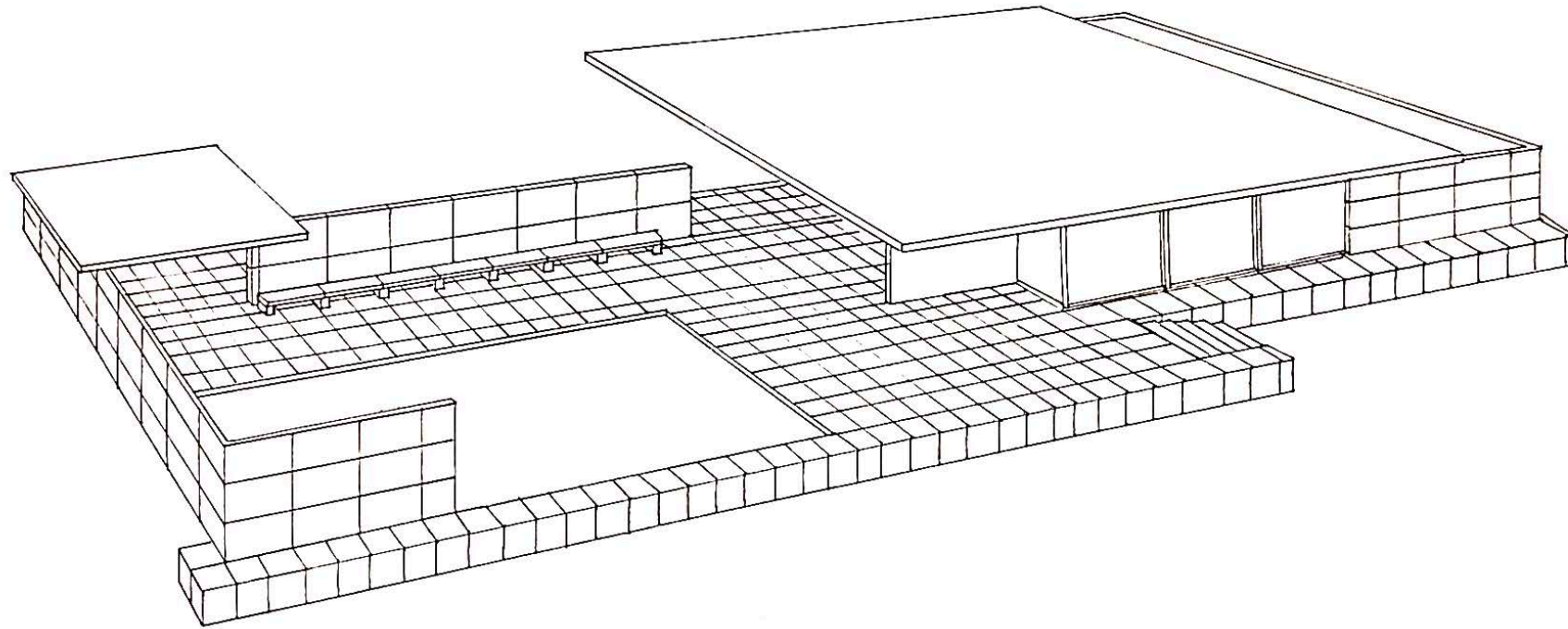


# Barcelona Pavillion

Course: Arch 1121  
Semester: Fall 2019

Duration: 4 weeks  
Professor: Jane Ostergaard

**Project Description:** After studying the structure and materials of Barcelona Pavillion, create a perspective and a plan oblique drawing by using ink for the linework and graphite for the shadows.. Recreate the key materials that are present in the space.

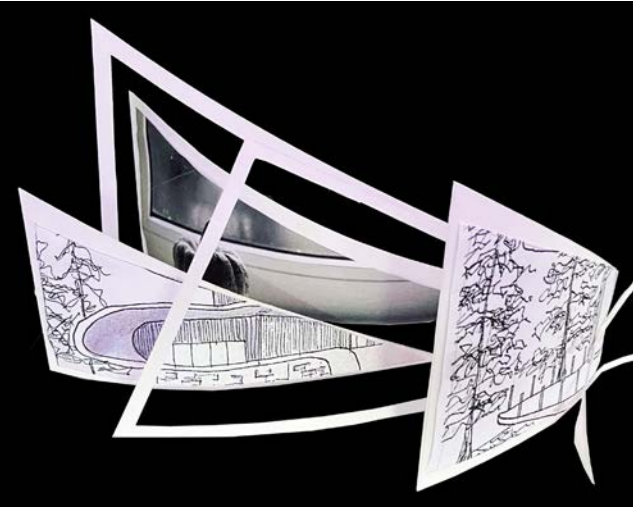
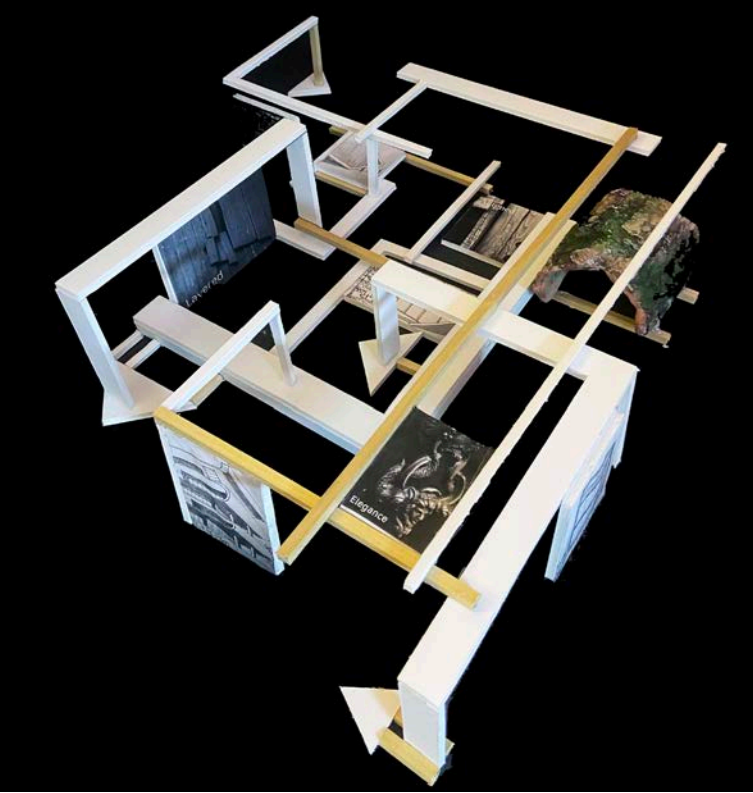




# Inspiration Collage

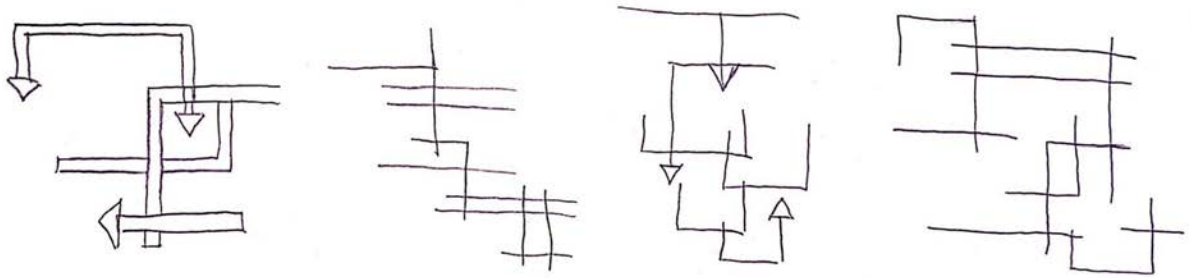
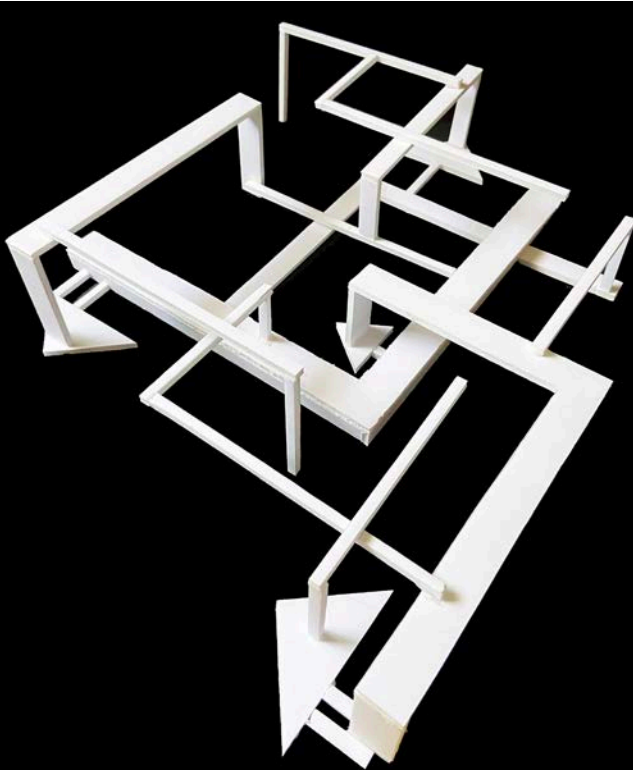
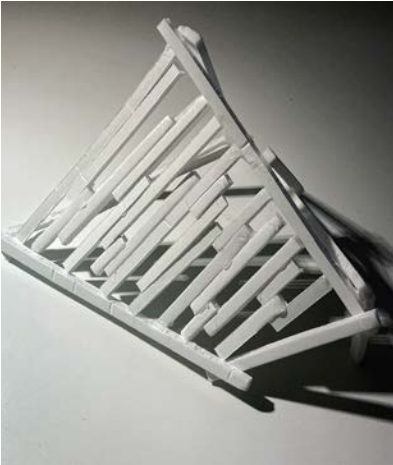
Course: Arch 2201    Duration: 4 weeks  
Semester: Fall 2020    Professor: Mark Pearson

FINAL MODEL



**Project Description:** Create a composition using sketches and photographs that contain architectural and artistic elements. The 3-dimensional assemblage should be composed as a whole and unified design that posses a high level of detail and complexity. Concept: The elements of the collage create a hierarchy by using differently sized elements that complement each other through layering .

PROCESS

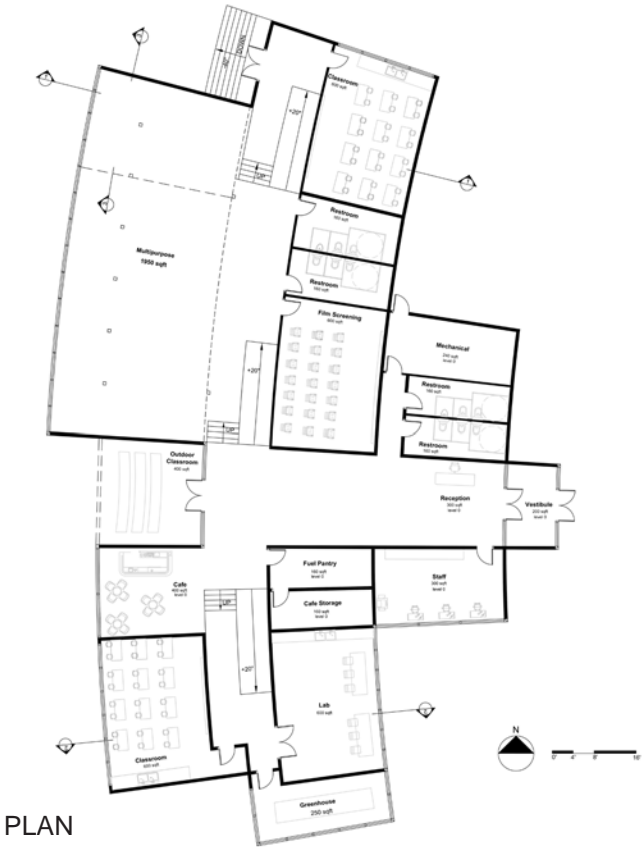
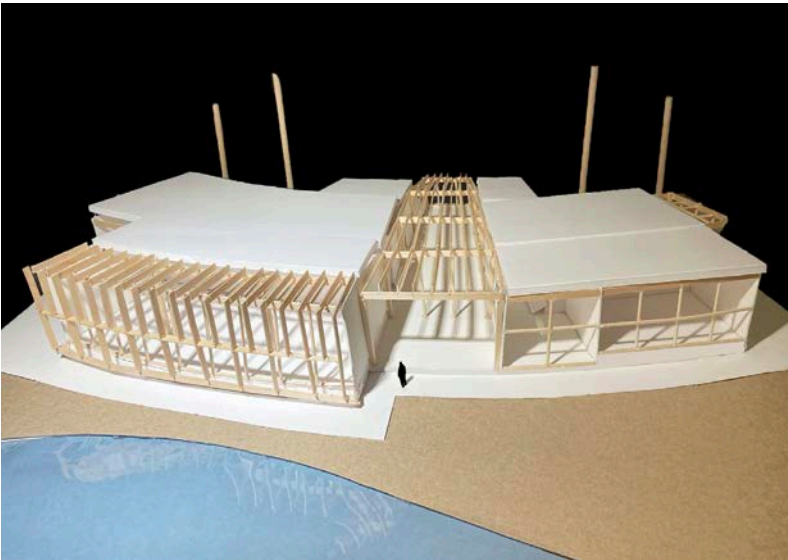
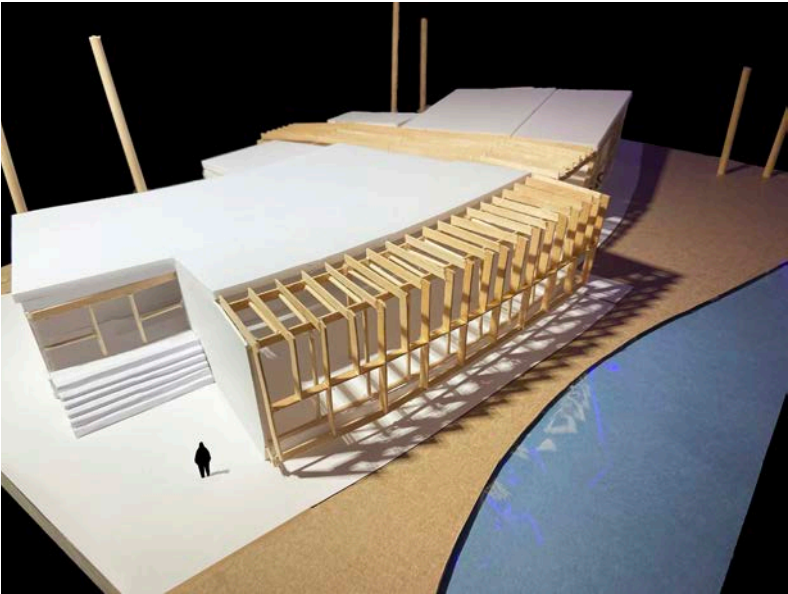




# Environmental Center

Course: Arch 2201    Duration: 12 weeks  
Semester: Fall 2020    Professor: Mark Pearson

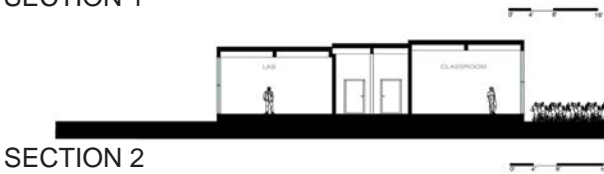
FINAL MODEL



PLAN

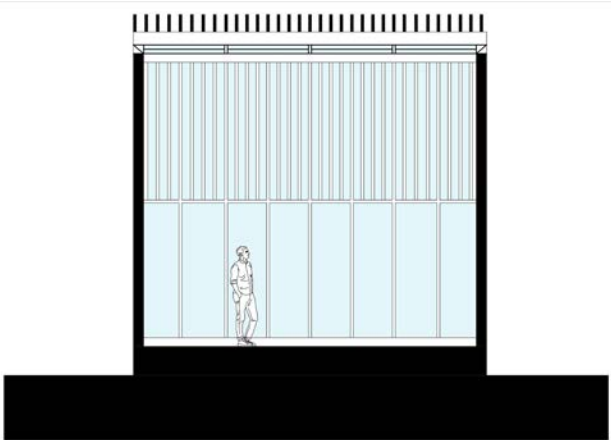
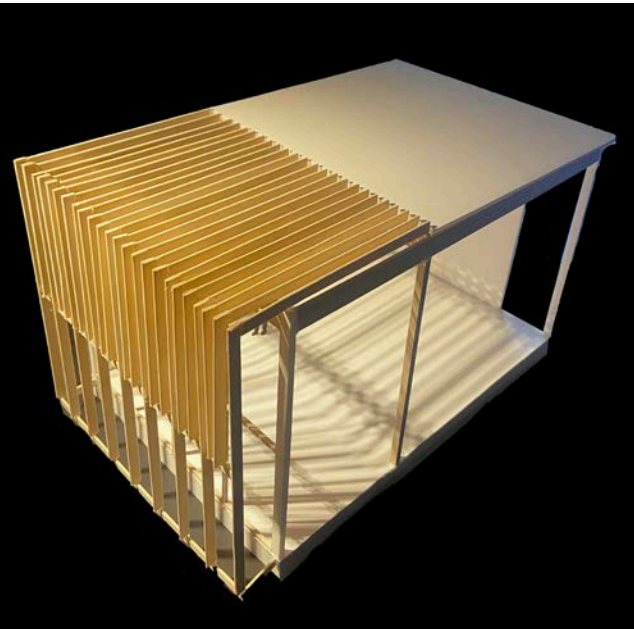


SECTION 1



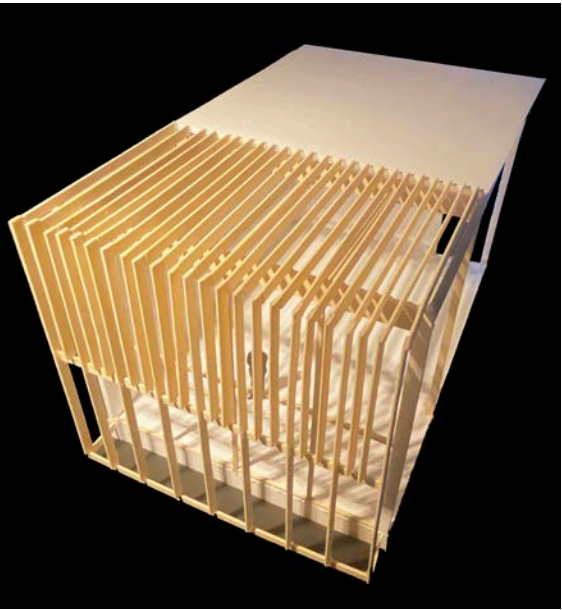
SECTION 2

DETAIL MODEL



DETAIL SECTION

0' 4' 8' 16'



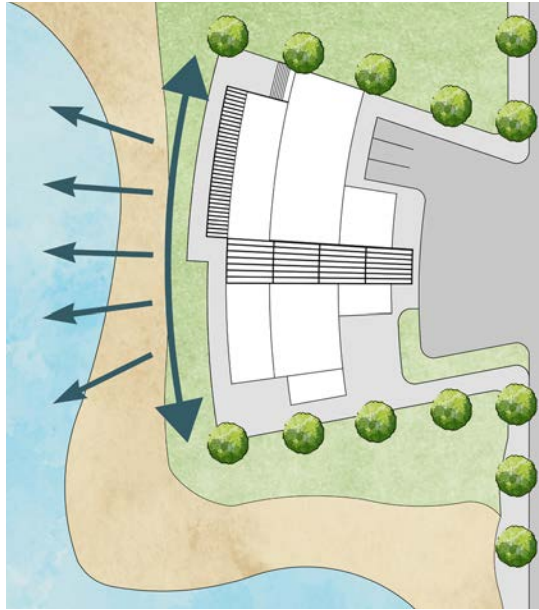
**Project Description:** Create an innovative environmental center situated on campus site that is surrounded by a prairie and a pond. The building needs to include spaces for education, research and events. The design should engage with the landscape and the site context.

**Concept:** The building is emphasizing the relationship between architecture and landscape by using the site characteristics and nature elements as design tools and inspiration for the space. The panoramic shape of the structure gives the visitors the opportunity to experience amazing views of the pond and the prairie from the most important spaces like the café, multipurpose space and classrooms. Right from the entrance there is a clear sight of the outdoor classroom which are connected by a long hallway that gradually gets taller and larger as people circulate towards the prairie view. In this way visitors are able to connect with nature from the moment they enter the building. Another element present in the structure that immerses the visitors into nature are the skylight roofs that provide natural light, and, in order to have some shade, they are covered by a series of vertical fins, which also serve as design elements that contribute to the aesthetic of the building from outside as well as from inside by creating different and interesting shadow patterns. This concludes the overall concept for this space.





SITE PLAN



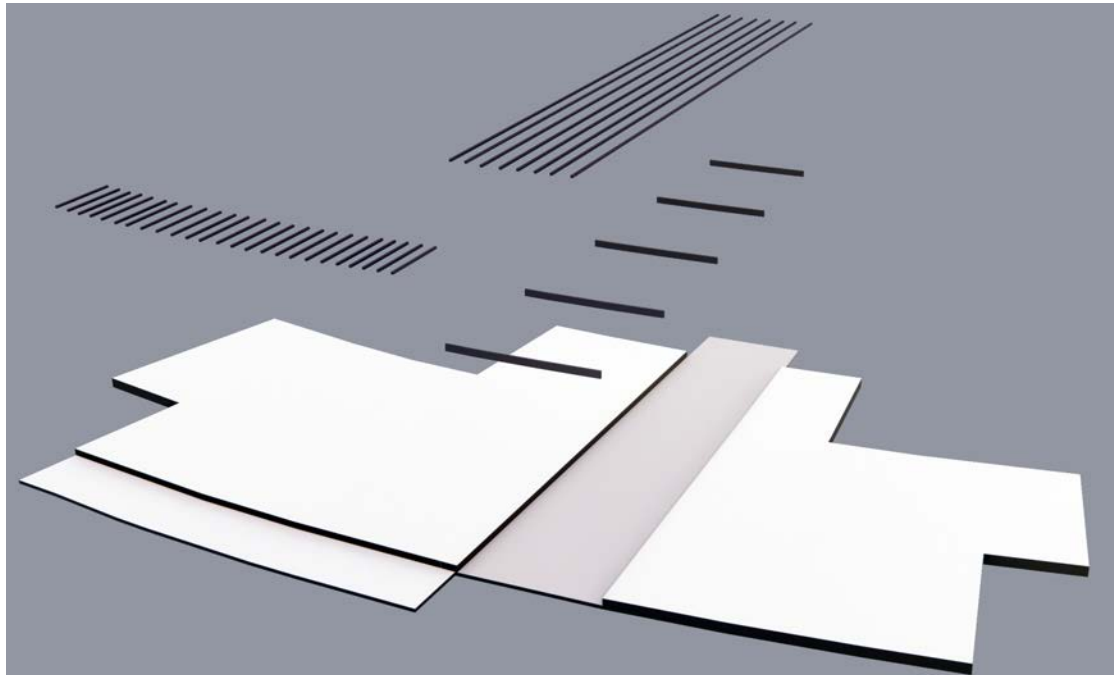
CONCEPT DIAGRAM



PARTI DIAGRAM



CIRCULATION DIAGRAM



STRUCTURE DIAGRAM

## PERSPECTIVE RENDERINGS

