

FORM SPACE AND ORDER

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COURSE DESCRIPTION

This course is designed to help students cultivate creative abstract design thinking and translate it into three-dimensional compositions of space and form through a formal architectural layout system.

The goals of the course are to articulate its overall objectives and purposes, teaching students creative conceptual ideation, abstract volumetric thinking, and the integration of three-dimensional design principles and elements into a formal architectural ordering system.

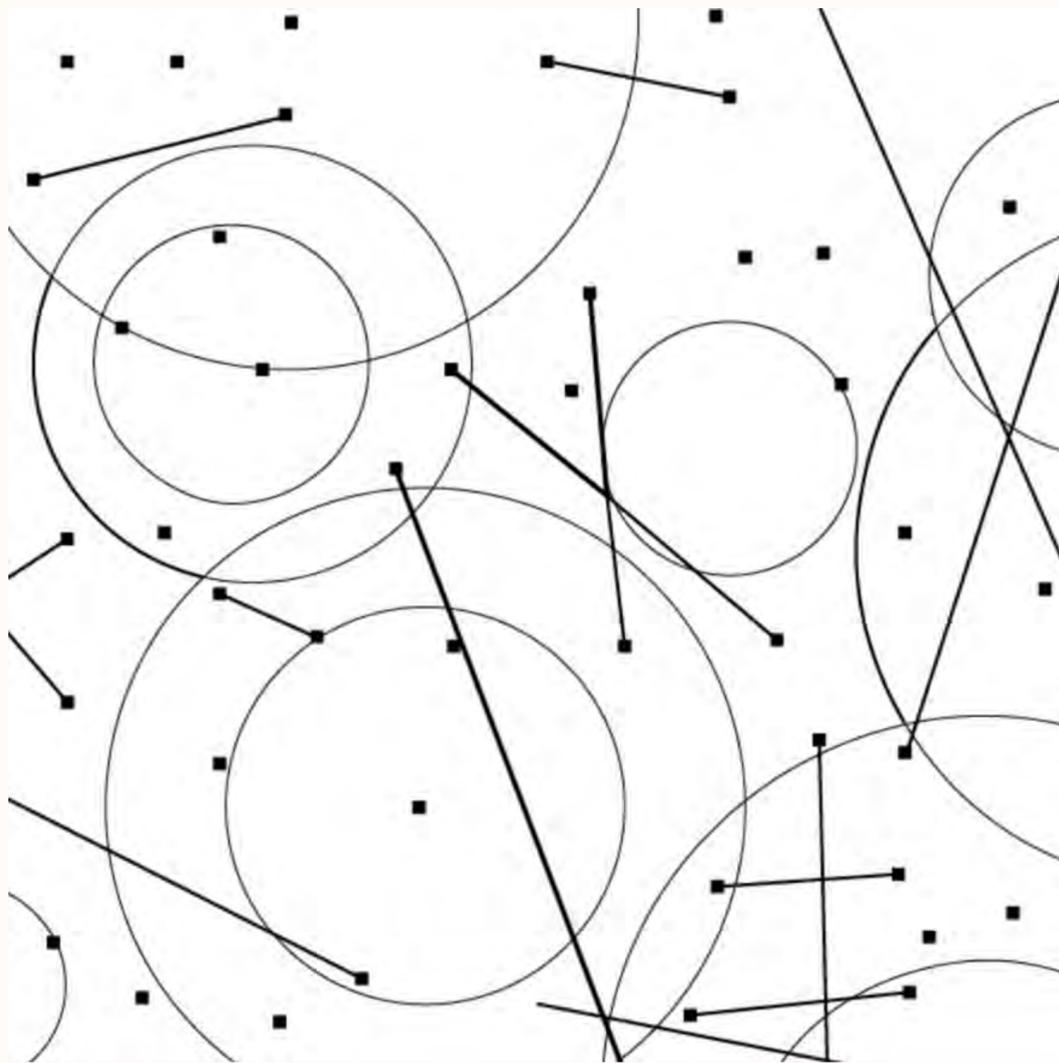
Course outcomes highlight the measurable competencies and skills that students will develop upon completion, including the ability to communicate individual and collaborative creative and analytical thinking, creative concepts and design analysis verbally, visually, and in writing, literacy in knowledge, processes, and presentation, and spatial summary. thinking, coherent three-dimensional composition, and basic knowledge of formal architectural planning systems using appropriate terminology.

ASSIGNMENT ONE

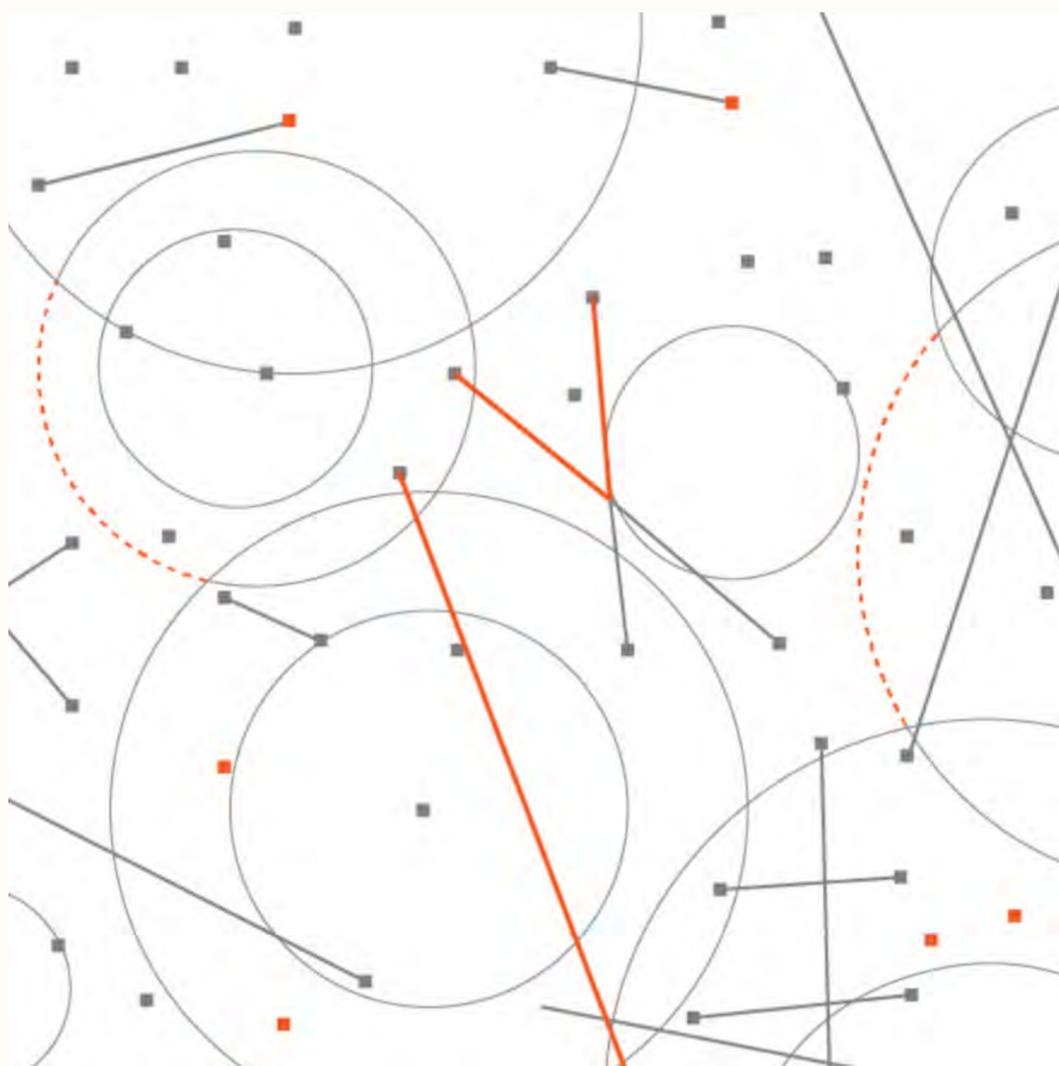
point, line & circle

In this assignment, we examine the primary geometric elements: point, line circle. We then explore their abilities to create form and space. The basis of this exercise will be the geometric composition maps that the students create.

COMPOSITION PLANS



Abstract Composition



Spatial Analysis

ABSTRACT STUDY MODELS



Point vertical



Point inclined



Line vertical



Line inclined



Circle vertical



Circle inclined

SYNTHESIZED STUDY MODEL



FIELD TRIP INSPIRATION

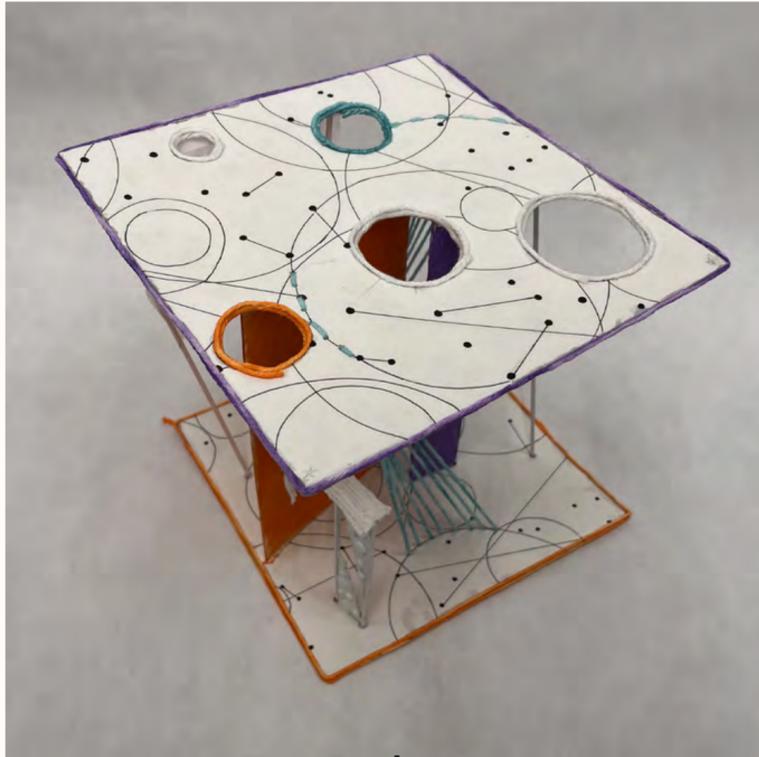
Sujay Shah b. 1991, Nairobi Kenya
SCAD B.F.A, painting, 2013



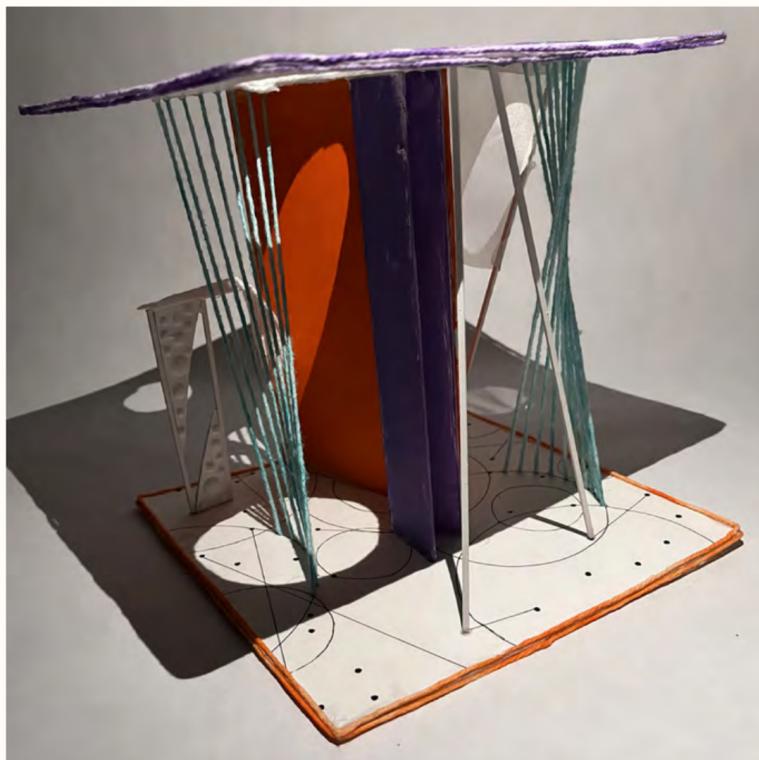
This exhibition called "The Slant of Thirsting Mouths", presents bold, colorful paintings that depict wild animals in lush domestic interiors.

I chose this painting because of the color combination and the different textures. The interaction between the meaning and the visual composition of this art piece makes this collection amazing.

FINAL MODEL



Aerial view



Light study



Side view

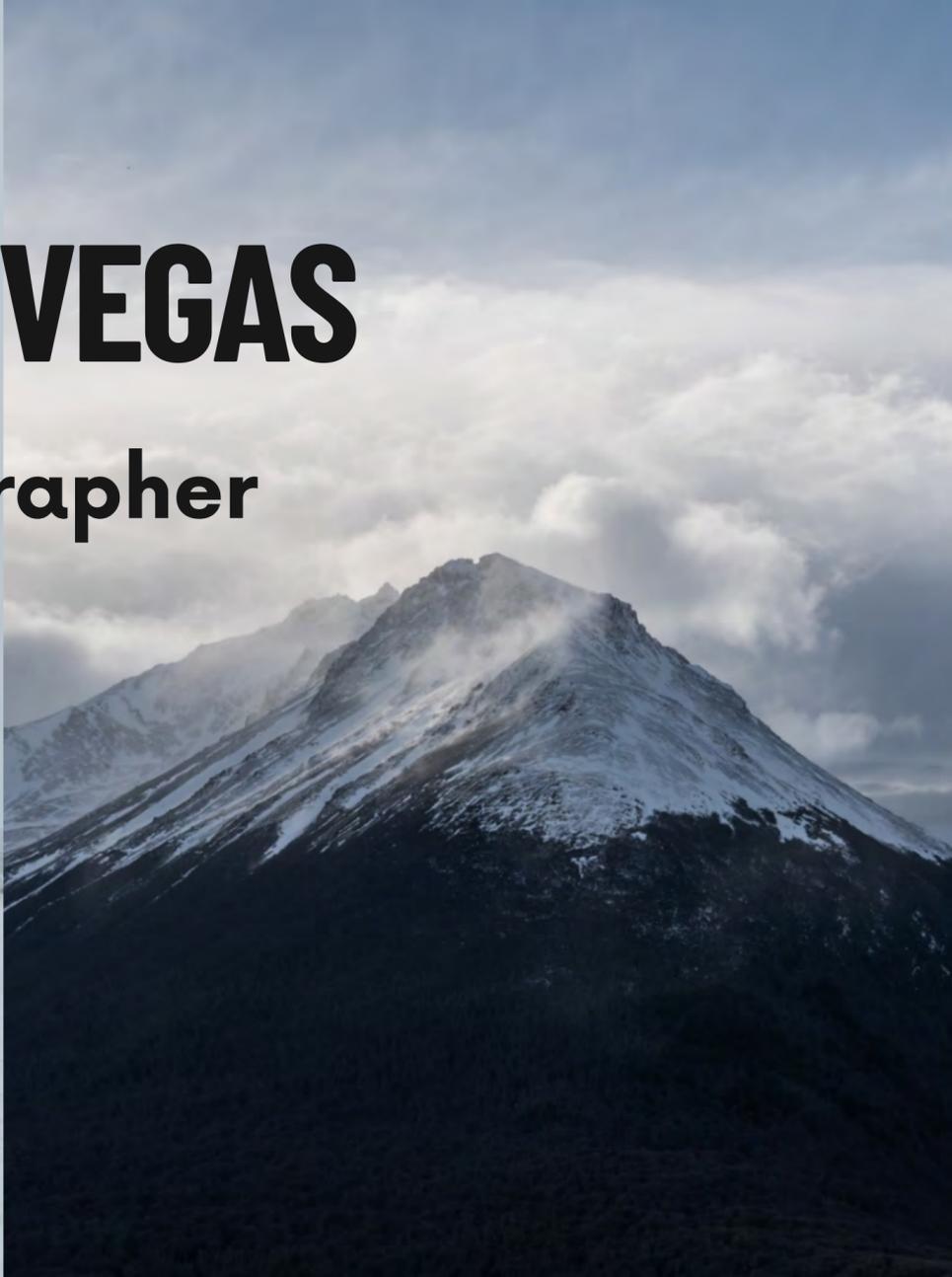
ASSIGNMENT TWO

spatial organizations

This assignment examines the relationship that spaces can have with other spaces, as well as how spaces can be organized and the quality that can be created. The basis of this study will be an artist as a source of inspiration and reference. We take qualities from the artists we choose and represent them through our studios.

OLIVER VEGAS

photographer



MOOD BOARD



WORD CLOUT



MUSIC STUDY

structured light



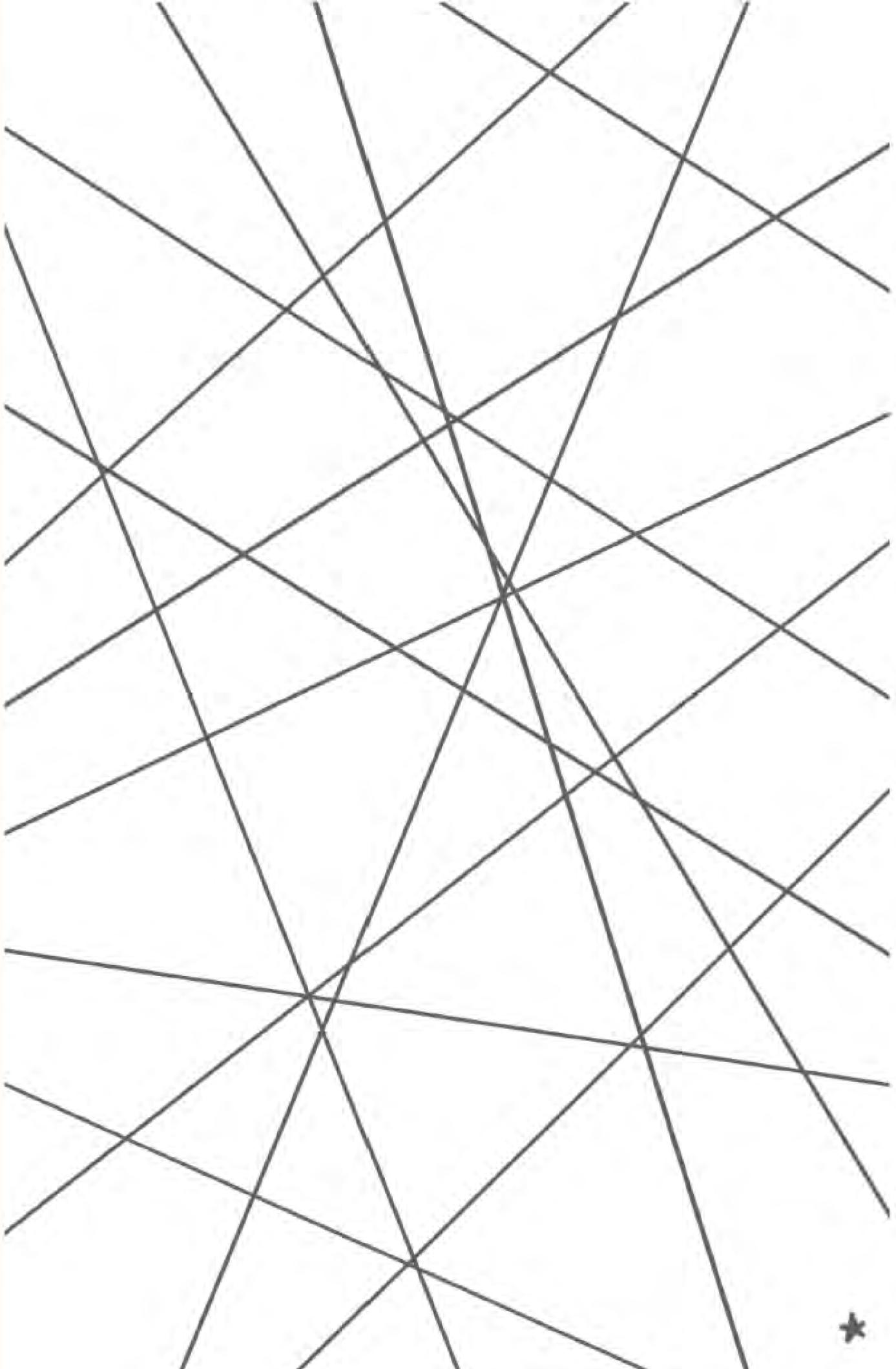
transformational study



expressive painting



SPATIAL MAP



STUDY MODELS

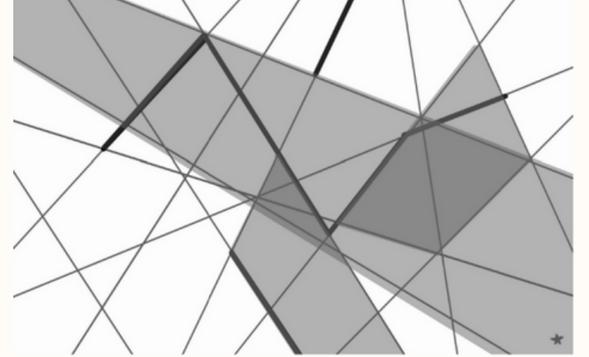
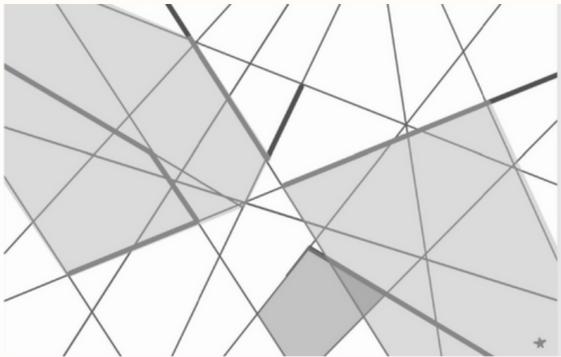
Grid



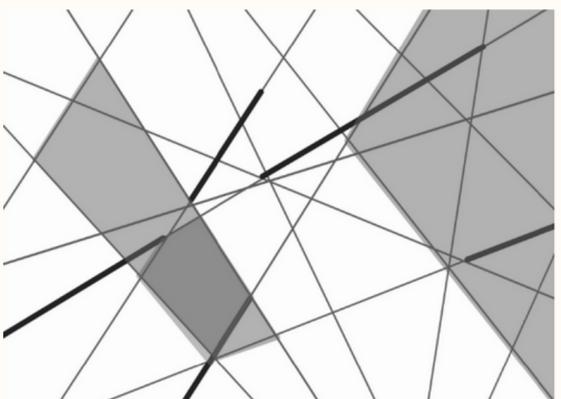
Radial



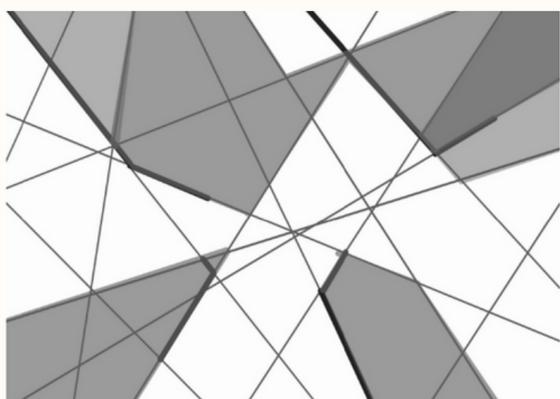
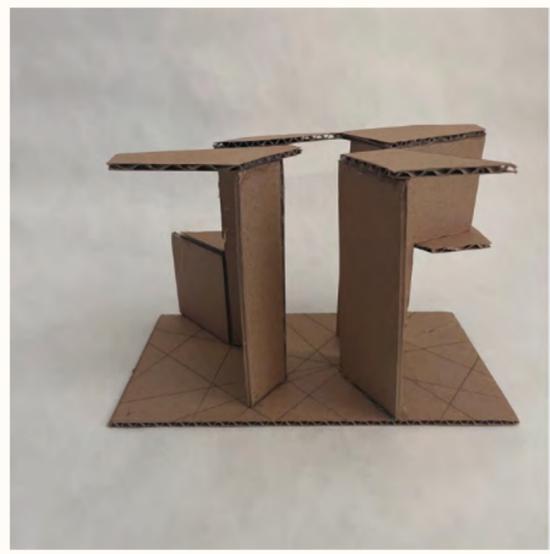
Cluster



Linear

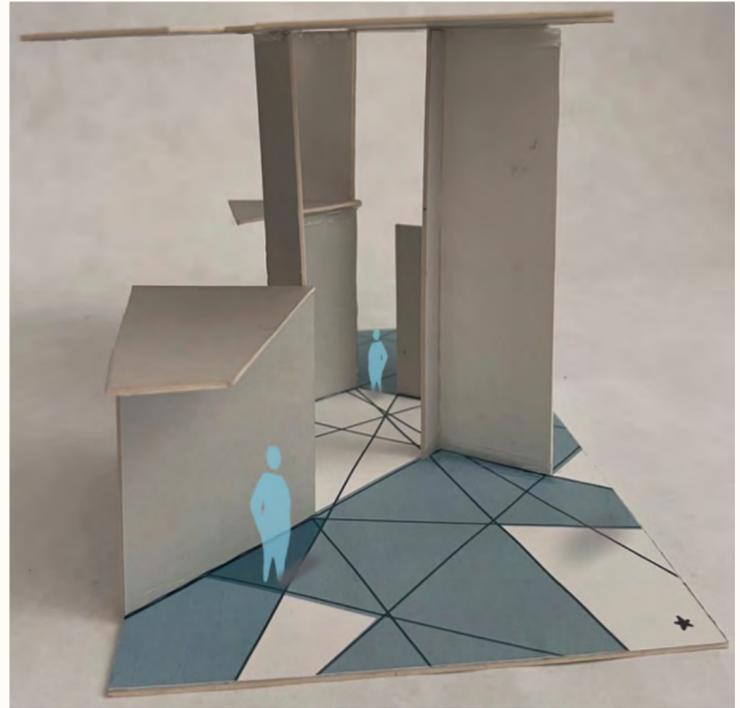
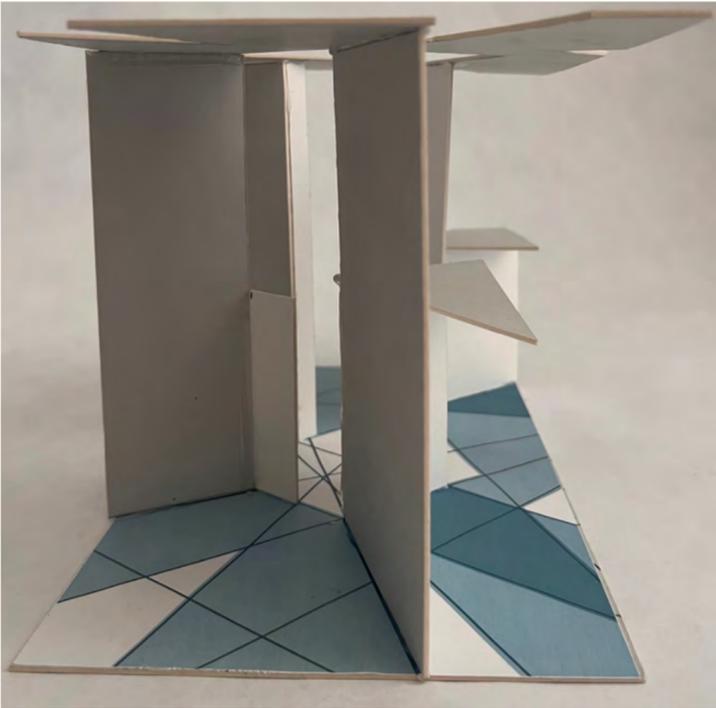


Centralized



FINAL MODELS

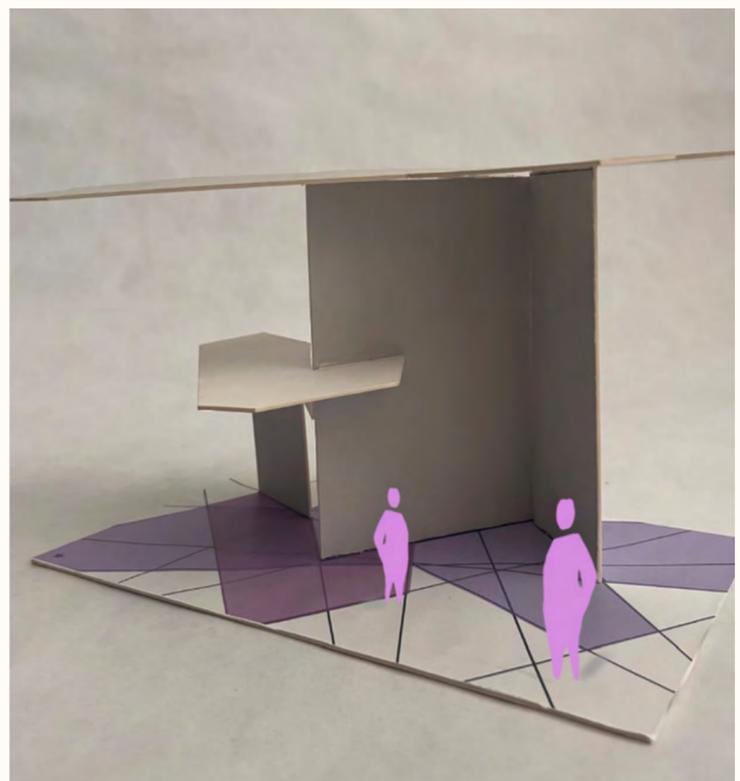
Centralized



Linear



Cluster

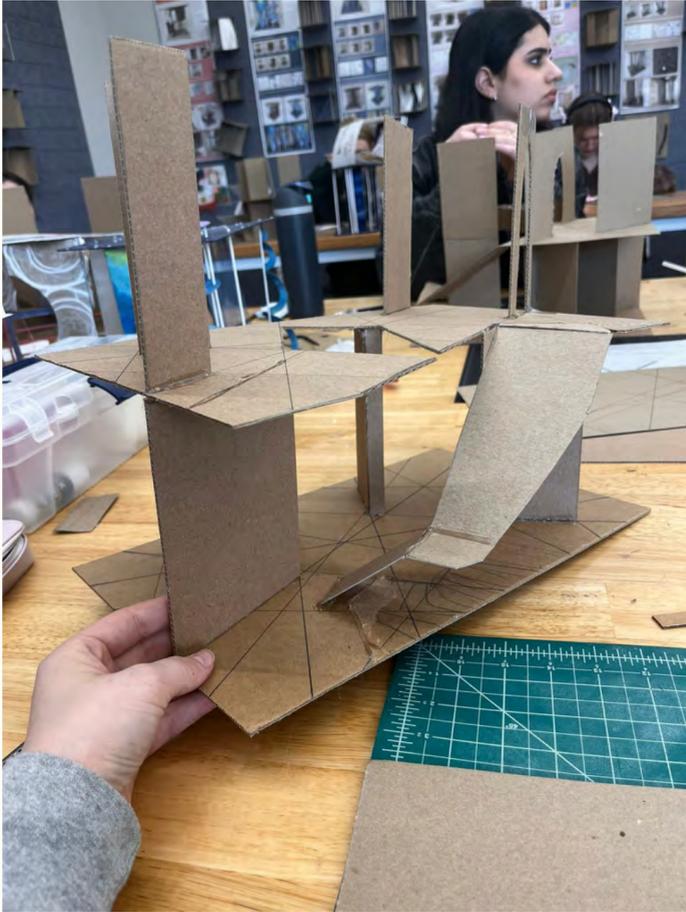


ASSIGNMENT THREE

environmental connection

In this design project, we examine other concepts of access, entrance, openings, and connection with the environment. We designed a workplace for our designer and made choices involving principles and concepts learned from our previous exercises to create a complete space.

PROCESS

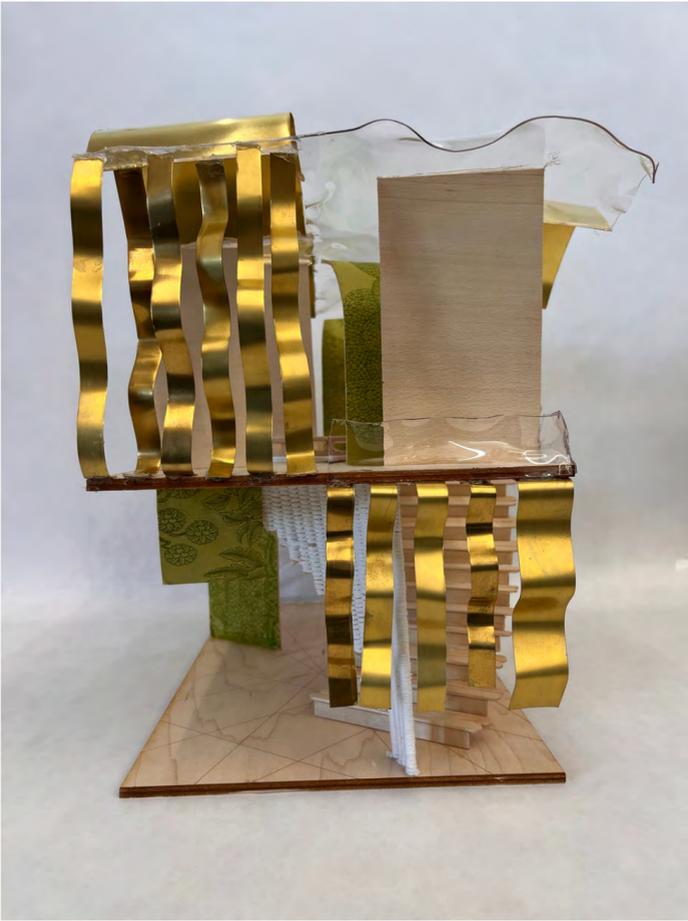


FINAL MODEL

façade views

side views

Entrance side



Back side



FINAL MODEL

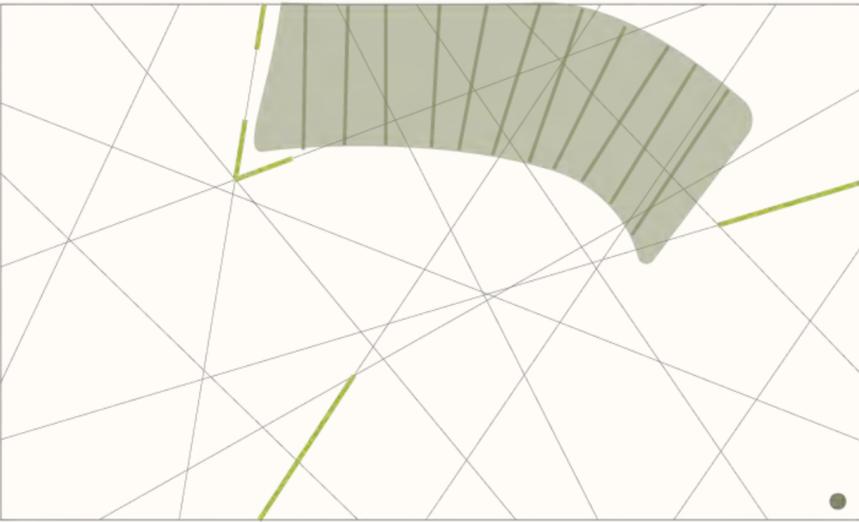
close-ups



FINAL MODEL

floor plans

Main level plan



Main level circulation



Upper level plan



Upper level circulation



FIELD TRIP

Sujay Shah b. 1991, Nairobi Kenya
SCAD B.F.A, painting, 2013



This exhibition called "The Slant of Thirsting Mouths", presents bold, colorful paintings that depict wild animals in lush domestic interiors. In this collection, fauna native to his homeland like lions, zebras, gazelles, leopards, and wild beets, express their feral nature in spaces adorned with hunting trophies and Victorian-style furnishings commonly found in luxury tourist safari lodges. I chose this painting because of the color combination and the different textures. The interaction between the meaning and the visual composition of this art piece makes this collection amazing. I love the quality of the paintbrush in this work because it represents how nature is not perfect and hunting is not a good sport. Also, the colors of both animals are not the typical colors we see in them, like purple, which could also represent the different perspectives we have on the animals. It can relate to this exercise because of the texture it has, and how the artist uses space.

ELEMENTS OF DESIGN BOOK

Form, Space, Order

Elements of design and Space

Aranza Pérez Ares

Point: indicates a position in space •

line: a point that is extended with properties of:
-direction -length -position

Plane: a line extended with properties of:
-length -width -shape -surface
-orientation -position

Volume: a plane extended with properties of:
-length -width -depth -surface
-form & space -orientation -position

SHAPES

CIRCLE a plane curve in which every point is equal from a fixed point

Triangle a plane figure bounded by 3 sides and 3 angles.

SQUARE a plane figure with 4 equal sides and angles

Solids

Sphere

Cylinder

Cone

Pyramid

Cube

Base plan horizontal plane that plane that defines a field of space.

Elevated base plan elevated above the ground that has vertical surface too.

Depressed Base Plan a horizontal plane depressed into the ground plane.

Overhead Plane plane located overhead & defines a volume of space.

TYPE of Entrances

Flush maintains the continuity of the surface of a wall

Projected forms a transitional space & provides overhead shelter

Recessed also provides shelter but it receives a portion of the exterior space.

The location of the entry should be relative to the form of the space.

Vertical linear Elements define the perpendicular edges of a volume of space

single vertical plane 1 plane that articulates the space

L-shaped plane an L-shaped configuration creates a corner

parallel planes 2 parallel planes that define a volume of space between them.

U-shaped planes defines a volume of space that is oriented towards the open end.

space within a space a space contained within the volume of another space

Interlocking space a field of space may overlap the volume of another

adjacent spaces 2 spaces that border or are very close to each other.

spaces linked by common space 2 spaces may rely on an intermediary space for their relationship.

centralized a central space about a number of secondary spaces are

linear a linear sequence of repetitive spaces

Radial a central space from which linear organization extend in a circular matter

CLUSTER spaces grouped by proximity or sharing of a common visual.

grid spaces organized within a structural grid or 3-D framework

Paths may be related to the spaces they link in the following ways:

Pass by spaces the integrity of each space is maintained and the configuration is flexible

pass through spaces path may pass through a space axially, obliquely or along the edge.

terminate in a space the location of the space establishes the path, and it is used to approach and enter functionally.

Axis a line established by 2 points in space

Symmetry the balanced distribution & arrangement of equivalent forms on opposite sides

Hierarchy the articulation of importance of a form or space by its size, shape or placement.

Rhythm movement characterized by a patterned repetition

Datum a line, plane, or volume that serves to measure patterns.

transformation this one can be changed.

Types of TRANSFORMATION

Directional has different directions

Elements -line -surface -volume

Proximity
-direction
-scale
-barrier
-surface

Geometry
-Angle
-distort
-morphing
-dissimilar path

Entrance types

Tamedia Headquarters **flush**

Museo Soumaya **Recessed**

SPAR Supermarket **recessed**

CLOSURE

This course has taught me a lot. I know that with everything that I have learned I will use it for future classes and my future career. This course has taught me to visualize space differently, instead of thinking about where furniture may be, I now visualize myself in the space. I now have the principles and elements clear for me to apply them to future designs. This course was taught by Professor Arpad who made this class interesting and easygoing. This class opened my eyes to a new perspective on how interior design and architecture could be perceived. I will forever remember this class and all the learning I had to achieve my goals in my professional career. I am very thankful for all the teachings and learnings I had to grow as a designer.

