

1110: WEEK 5

Lecture: BASIC PATTERN and GEOMETRY RECOGNITION: Identify attributes of an illustration and record their properties. Identify underlying geometries and proportions of an illustration.

OBJECTIVE:

Students will learn to identify number, position, size, shape, direction, texture, and surface quality in an illustration. Students will learn to identify the geometric relationships and components of an illustration.

DESCRIPTION:

This project will explore abstraction and diagramming techniques in order to highlight specific qualities and systems of organization of an image. Through careful observation and analysis the student will map specific conditions of the image and develop a graphic language to support and express these ideas.

For this project, the student will be required to carefully observe and analyze an image and map / outline / isolate the following conditions:

1. **Positive vs. negative / foreground vs. background**
2. **Outline and boundary**
3. **Contours**
4. **Texture and pattern**
5. **Geometric organizational structures**

Lab & Homework: EXERCISE 3

PROCESS:

Choose an illustration that will serve as a base for further analysis. You can find images to work with on Blackboard under ...

1. **Positive vs. Negative space drawing:** Place a piece of trace over the image distributed during class and isolate what is an object vs. what is the space around it. See example below:



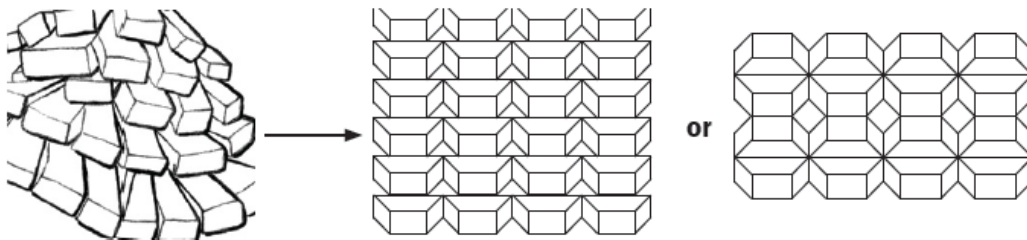
2. **Outline and Boundary drawing:** Place a piece of trace over the image and draw ONLY those things you can identify as an edge boundary.



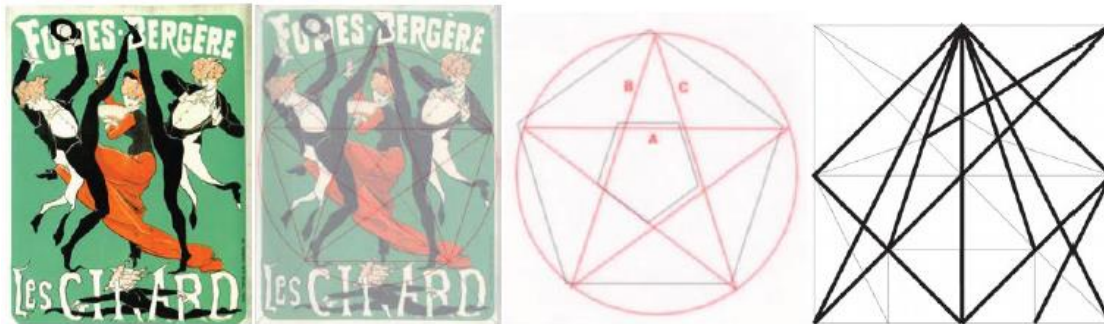
3. Texture and Pattern drawing: Place a piece of trace over the image and draw ONLY those things you can identify as a texture or pattern.



4. Pattern geometry recognition: Place a piece of trace over the image and draw ONLY an isolated part of the image that you can identify as the pattern's geometrical logic. As a further step try to extract its logic and sketch it (the pattern geometry logic) in an abstract way.



5. Layout composition analysis: Place a piece of trace over the image and draw lines and curves that break the illustration down into its component geometries. Identify the axis describing the center of the sheet, the center of the composition and every possible 'golden ratio' of your layout.

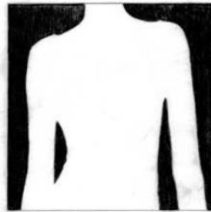


6. Create four 11"x17" plates. The first plate should include the original image distributed in class plus the Positive vs. Negative Space. The second plate should hold the Outline and Boundary plus Texture and pattern drawings. Add Titles and labels as necessary, remember that text is also a design element on the page and should reflect the ideas that you are attempting to support in your analysis.

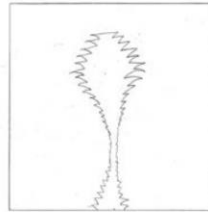
READING: Theil, Philip. Visual Awareness and Design. pp. 68-81.
Elam, Kimberly. Geometry of Design. Pages 01-75

SKILLS: Analysis, free hand tracing, Drafting, Geometry recognition, scanning, formatting, composition, labeling, lettering.

step 1/2



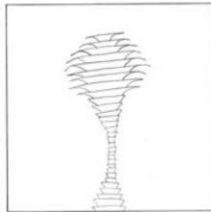
POSITIVE/NEGATIVE



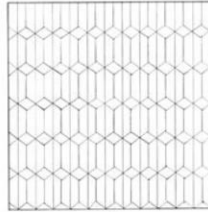
OUTLINE/BOUNDARY

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PATTERN ABSTRACTION

step 3/4



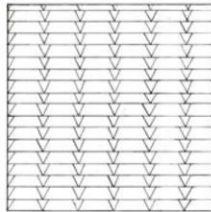
TEXTURE/PATTERN



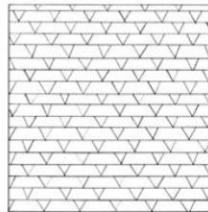
PATTERN 1

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PATTERN ABSTRACTION

step 4



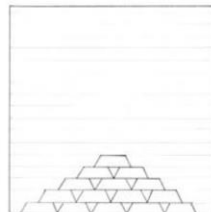
PATTERN 2



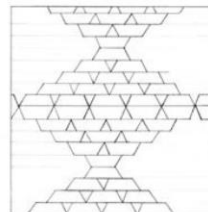
PATTERN 3

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PATTERN ABSTRACTION

step 4



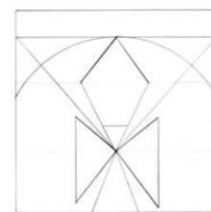
PATTERN 4



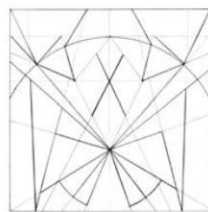
PATTERN 5

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PATTERN ABSTRACTION

step 5



LAYOUT COMPOSITION 1



LAYOUT COMPOSITION 2

Student Name:

ARCH 1110

Assignment 03 Grading Sheet: BASIC PATTERN RECOGNITION and GEOMETRY

		Points Possible	Points earned
Analysis	positive negative space	10	
	boundary / outlines	10	
	pattern and texture	10	
	Pattern Geometry	10	
	Geometry	10	
Line weights		20	
Precision / Neatness		20	
titles / labels		10	
Total		100	

Grade:

Comments: