

DEP 403: DESIGN EXPLORATION SEMINAR

# FORM, TRANSITION AND ABSTRACTION

GUIDE: PROF. B K Chakravarthy

DESIGN EXPLORATION SEMINAR - 17U130007

# APPROVAL SHEET

The design exploration seminar titled “Form, Transition and Abstraction” by Jake V Abraham, roll no. 17U130007 is approved in partial fulfilment of the requirements for bachelor degree in design.

Project Guide:

Chairperson:

Internal Examiner:

External Examiner:

Date:

Industrial Design Centre, Indian Institute of Technology, Bombay

# DECLARATION

I declare that this project report submission contains my own ideas and work, and if any pre-existing idea or work has been included, I have cited the referenced original author(s).

I also declare that I have adhered to all the principles of academic honesty and integrity and have not misinterpreted, fabricated or falsified any idea/data/ fact source in my submission.

I understand that any violation of the above will cause disciplinary action by the institute and can also provoke penal action, from the sources.

Jake V Abraham  
17U130007

IDC School of Design Indian Institute of Technology, Bombay

# ACKNOWLEDGEMENT

This project was not possible without the support and input from various people.

I use this opportunity to thank Prof. B. K. Chakravarthy for his support and guidance throughout the entire project.

I also thank Prof. Shilpa Ranade and Prof. Girish Dalvi for their insights and valuable feedback on the lecture.

I thank all the students who allowed me to use examples of their course work for my lecture.

I thank my friends Anand and Yashwanth for all their support and inputs on the lecture.

## INTRODUCTION

The purpose of this project is to create an easy-to-grasp video lecture on the topic “**Form, Transition and Abstraction.**” The initial intention was to cover a much bigger portion of form, a principle of two-dimensional design. But, to cover the vast knowledge about form requires a considerably long time and resource than what is available for the project scope. So, basics of three topics were selected from the available material and condensed into an easy-to-understand material and presented.

The lecture explains the basics of form, transition and abstraction through suitable examples. To test the understanding of the student, easy to complete exercises are also provided to

# PROCESS

## Research & Focus Area

The research consists of going through the course '2D Visual Studies One – Word and Image' conducted by Prof. Girish Dalvi and the material provided, along with some tutorials and articles available online.

## Lecture breakdown

The lecture consists of 3 topics, form, transition and abstraction. Each section three parts, explanation, example and exercise. All the sections have been laid out in a simple, easy to understand format focused on new learners.

## Script

The script has been structured in an engaging manner and includes eye catching references from movies and books. It is short and crisp so as to retain the audience's attention.

It is the arrangement of units in a form.

Structuring is the difference between these images, which makes one look like a garden and this floating magical image.



This example helps us understand what a unit is. A unit is an individual thing, that can be regarded as single and complete, but can also form an individual component of a larger, more complex whole. Just like the flower, which can be identified on its own, a unit can be a form on its own, but can be a part of a bigger, more complex form. It can be a geometric form, an organic form, or a complex form, for it is we who define that particular unit.

Let's look at the example again, imagine if all the elements of the design were arranged in a different manner. Looks very different right? Notice that even though both designs have the same elements, their difference in structure make them look very different.

This helps us understand what a structure is. Structure governs position of forms in a design. In simpler words, structure is the arrangement of forms in a design. Structure is the difference between these designs, which make one look like a garden and the other as something else.

Now, let's look at particular elements of this design. The fence is made by fence posts repeating in a particular order, the saplings on the ground repeat in a particular order, the number of flowers in the flower pot change with the size of the pot or vice versa and the clouds all follow a particular rule in their orientation. We can say they all have their own pattern.

A pattern is a form that follows a particular rule while repeating or changing. Just like how the elements of this design follow some rule.

Let's do a short exercise to understand what we learned till now. Create a small unit. Create a pattern using this unit. Here are some examples for easier understanding. Notice the unit forms of the tear drop unit and L shaped unit in these examples, the third one may not seem to be a pattern at the beginning.

## Exercises

The exercises have been extracted from previous course experience and modified to not only increase the audience's grasp of the topics, but also to enable them to explore arts & crafts, animation, film and books.

### Exercise - Abstraction



Abstraction exercise done by 17U130007 and 17U130030

### Short exercise

Create a small unit form.

Create a small and simple pattern with this unit.



Abstraction exercise done by 17U13007, 17U13006 and 17U130016

### Exercise- organic to organic transition



Abstraction exercise done by 17U130007 and 17U130021

## FINAL OUTPUT

A video explaining the concept of form, transition and abstraction, laying an amount of brick work for future learnings. It lets the viewers view the concepts from a designer perspective, while testing their understanding of the topic through simple and thoughtful exercises.

Link to video:



## REFERENCES

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