

NIRMA UNIVERSITY
INDUSTRIAL DESIGN PROGRAM
Bachelor of Design, Department of Design
Year II, Semester IV

L	T	P	C
		4.5	3

Course Code	DSK 227
Course Title	Elements of Form & Space -3D

Course Learning Outcomes (CLO):

At the end student will be able

- To work with modeling materials.
- To generate and create, New 3 dimensional forms through process of abstraction, stylization using Gestalt and other design principles.
- To generate forms that require rationalization and added functional features like stackability, modularity etc.

Syllabus

Teaching hours: 67.5

Unit 1 Form development based on a conceptual theme

Teaching hours:21

- 1.1 Based on an understanding of the relationship between Form and Nature
- 1.2 Three modelling of concepts generated

Unit 2 Ideation of forms based on Form and Space relationship

Teaching hours:21

- 2.1 Demonstrating relationships between the internal void and external form of an object
- 2.2 Three modelling of concepts generated

Unit 3 Form development based on a functional parameter

Teaching hours:25.5

- 3.1 Based on the relationship between Object and Human Body
- 3.2 Three modelling of concepts generated

Suggested Readings:

1. Biomimicry: Innovation Inspired by Nature by Janine M. Benyus
2. Process: 50 Product Designs from Concept to Manufacture by Jennifer Hudson
3. Prototyping and Model making for Product Design by Bjarki Hallgrimsson
4. Design of the 20th Century by Charlotte & Peter Fiell

w.e.f. Academic year _2018 and onwards

Key: L= Lecture, T= Tutorial, P= Practical, C= Credit