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<th>CODE</th>
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<tr>
<td>ID –</td>
<td>BASIC DESIGN – 2</td>
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**FOCUS**

- To develop the perceptions towards using the basic principles of aesthetics which can be useful to create a built form
- emphasis on 3D form/space

**CONTENT**

- Observing and analyzing the natural objects and transferring into manmade patterns
- Generation of 3D forms from 2D shapes: exploration of various techniques (extrusion, repetition, addition, twisting etc.)
- Modification of 3D forms
- Volumetric study v/s analysis through height v/s 2D configuration
- 3D composition using 2D geometric shapes
- Study of solid v/s transparency (void)
- Exploration of form from within

**METHODOLOGY**

- theoretical explanation
- Series of graphical exercises and transform/conversion into 2D and 3D models through exploring different media
  - understanding tangibility of spaces by converting 2D graphical designs into 3D compositions through models
  - preparing the 3D compositions using the different materials to express reflection of the perception

**REFERENCE BOOKS**

- Art in Everyday life- Harriet Goldstein
- Logic and design –Krome Barrat
- 101 things I learnt in Architecture –Mathew Fredrick
- Pattern language –Christopher Alexander
- Form, Space and Order –D.K.Ching
- What is Design–Paul Grilo
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<td>ARCHITECTURAL GRAPHICS – 2 (TRD)</td>
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**FOCUS**

To develop understanding of technical drawing as a tool for communication

**CONTENT**

1. Sciography
2. Perspective
   - 1-point
   - 2-point
   - 3-point
3. Rendering techniques
4. Architectural Drawing Development of Drafting skills for architectural drawings

**METHODOLOGY**

Various drawing exercises

**REFERENCES**

- Engineering drawing- N.D. Bhatt
- Engineering drawing and geometry- Hoelscher and Springer
- Rendering with Pen and ink – Robert W. Gill
- Perspective- Robert W. Gill
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<td>MATERIAL &amp; CONSTRUCTION – 2</td>
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**FOCUS**

To understand advance building materials and construction techniques for building and composite architecture

**CONTENT**

- Openings (doors and windows)
- Types of lintel
- Arches
- Internal finishes

Material: **Wood (market form of wood and wood based products)**

Construction:
1. Terms
2. Principles of Joinery
3. Classification of joints
4. Widening joints
5. Angle and Oblique joints
6. Fastenings
7. Tools uses
   - Wooden (floor and roof) system

Understanding physical and behavioral properties, method of application, different construction techniques and criteria for selection of materials and design aspects for different types of material

**METHODOLOGY**

Lectures based on theory and class given assignments, practice questions and sketching and drawings, Case Studies and practices, site visits to study material, model making etc.

**REFERENCE BOOKS**

- Engineering Materials – S.C. Rangwala
- Building Materials – B.C. Punmaia
- Construction of building – Vol 2 – R. Barry
- Building construction metric vol 1 – W.B. Mckay
- Building Construction – B.C. Punamiya
- Building materials and components – CBRI Roorkee
- Building construction Illustrated by – Fransis D.K. Ching
- Building Materials – S.K. Duggal
- Building Construction Handbook - Roy Chudley and Roger Greeno
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<td>HISTORY OF INTERIOR DESIGN – 1</td>
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**FOCUS**

To inform about the development of interior design in the ancient western world
- To understand interior design as evolving within specific cultural contexts including aspects of politics, society, religion and climate

**CONTENT**

- Introduction of subject
- Evolution of interior design as discipline
- Understanding contextual reference (social, technology etc.)
- Influence of different art movements on interior design
- Interior design in “Indian Context”
- Evolution of furniture design and study of period furniture

**METHODOLOGY**

- Theoretical explanations and group discussions
- Class work and assignments/presentation

**REFERENCE BOOKS**

- Interior Design Illustrated- Ching and Bingel
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ID– DESIGN STUDIO -1 (SPACE PLANNING)  

FOCUS  
Introduction to Design studio, Anthropometry and Space Planning  

CONTENT  
- function and importance of design  
- Important function in relation to its form, realization of dimension and related proportion  
- Importance of human dimension in working out the size and volume which leads to the solution of arriving to the space of various activities.  

METHODOLOGY  
Exercises  
1. Measure drawing of the articles used in any domestic activity and to study relative proportions  
2. With the help of measured objects arrive to dimension of usable functional space in 2D  
3. Study of anthropometry with dimensions for various activities of day to day life  

REFERENCE BOOKS