

**ARTS & GRAPHICS - II**  
(Anthropometrics, Colour, Elementary perspective and Sciography)  
BEG118AR

**Year: I**

**Semester: II**

Teaching schedule Hours/Week					Examination Scheme				Internal Assessments		Total marks
					Final				Internal Assessments		
					Theory		Practical		Theory Mark	Practical Mark	
Cr.hr	L	Tu	P	T	Duration	Mark	Duration	Mark			
3	2	-	3	5	-	-	-	-	20	80	100

**Course Objectives:**

Further consolidation of architectural graphics knowledge and development of drawing skills required for presentation of two and three dimensional techniques.

**Course Topics:**

1. Understanding of anthropometrics **-2 hrs.**
  2. Understanding of colour theory, colour wheel, colour scheme etc. **- 4 hrs.**
  3. Composition of three dimensional objects, textures, trees, vehicles, human figures etc. **-2 hrs.**
  4. Further development of drawing skill in pen and pencil color (Magazine cover, Book cover, and L.P. cover design) **-2 hrs.**
  5. Introduction of perspective drawings, its use and necessity for architectural presentation. **-8 hrs.**
    - Types of perspective: One point, Two point, Three point.
    - Basic principles of one and two point perspectives.
    - Difference between perspective and isometric drawings
  6. Introduction of sciography, its use and necessity for architectural drawing **-4 hrs.**
    - General concept
    - Principle of sciagraphy
    - Importance of sciagraphy in architectural drawing
  7. Preparation of a set of large residential buildings drawing **-8 hrs.**
    - Plans
    - Elevations
    - Section and details
    - Pictorial views: i. Axonometric,    ii.Perspective
    - Model
    - Sketches
-

**Lesson Plan of Practical Works:**

1. Redraw anthropometric drawings of different standards
2. Draw own body measurement
3. Colour wheel and their schemes
4. Free hand sketching of three dimensional objects and stiff life objects
5. Magazine cover or Book cover/L.P. cover
6. Reproduction/Tracing of a Residential building in pencil/Ink medium
7. One point perspective view of geometric objects and simple residence
8. Two point perspective view of geometric objects and simple building elements
9. Reproduction of drawings provided with a standard practical set of drawings of residential building / measured drawing of a residential building
10. Sketch and redraw of human figures, tree, vegetation, water bodies, clouds, vehicles etc.
11. Class assessment about anthropometrics, colour, one point. or two point, perspective and sciography.

**Reference:**

1. Theodore D. Walker, David A. Davix : Plan Graphics, 4th Edition, John Wiley and Sons;
2. Stephen Kliment, Architectural Sketching and Rendering, Watson - Guptill Publications
3. Frank Ching, Francis D. Ching, Architecture Graphics, 3rd Edition, John Wiley and Sons,
4. Francis, D. Ching, A Visual Dictionary of Architecture, VNR Publications, New Yourk,
5. C. Leslie Martin, Architectural Graphics.
6. Robert B. Gill; Rendering with Pen and Ink;