

09ARC 1.3: GRAPHICS-I

Written by Administrator
Saturday, 31 October 2009 12:53 -

CONTACT PERIODS: 4 (STUDIO) PER WEEK

PROGRESSIVE MARKS : 50

TERM WORK MARKS : 100

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OBJECTIVE:

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To introduce the students to the fundamental techniques of architectural drawings.

OUTLINE:

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□□□□□□□□□□□□□□□□ Introduction to the basic principles of drawing, sign conventions. Practice in lettering, lettering used in architectural drawings, including different fonts. Introduction to plane geometry and exercises in lines and angles, construction of triangles, quadrilaterals and regular polygons. Construction of plane curves, ellipse, parabola, hyperbola and ovals. Arches, typical arch forms and methods of drawing them. Scales, construction of plain and diagonal scales and their uses in practice. Orthographic projection (first angle projection). Principles of orthographic projection, projection of points, lines, planes, solids. Three dimensional representation, isometric and axonometric projection of solids.

Plates on each of the above topics shall be presented for term work.

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REFERENCES:

1. "Engineering Drawing". by ND Bhat
2. "Geometrical Drawing for Arts Students" by IH Morris
3. "Engineering drawing Vol I and II" by KR Gopalakrishna