AR8111	ARCHITECTURAL DRAWING I	L	T	P/S	C
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AIM

To introduce the concepts and fundamentals of architectural drawing, to develop representation skills and to nurture the understanding of the nature of geometrical forms and simple building forms and to teach the language of architectural and building representation in two- and three-dimensions; To introduce the basics of measured drawing.

UNIT I GEOMETRICAL DRAWING: INTRODUCTION 15

Introduction to fundamentals of drawing/ drafting: Construction of lines, line value, line types, lettering, dimensioning, representation, format for presentation, etc.; Construction of angles, use of scales; Construction of circles, tangents, curves and conic sections.

UNIT II GEOMETRICAL DRAWING: PLANE GEOMETRY 20

Construction and development of planar surface – square, rectangle, polygon etc Introduction of multi- view projection – projection of points, lines and planes.

UNIT III GEOMETRICAL DRAWING: SOLID GEOMETRY 10

Multi- view projection of solids – cube, prism, pyramids, cones, cylinders etc.; Sections of solids, true shape of solids.

UNIT IV GEOMETRICAL DRAWING: AXONOMETRIC PROJECTION 10

Isometric, plan oblique and elevation oblique projection of planes, solids and combination of solid etc.

UNIT V MEASURED DRAWING 20

Introduction to fundamentals of measured drawing, line value, lettering, drawing representation, format for presentation methods and technique of measuring buildings and their details.Measured drawing of simple objects like furniture, detailing in terms of construction,ornamentation, measured drawing of building components like column, door, window, cornice,etc.

TOTAL : 75 PERIODS

REQUIRED READINGS

1. IH. Morris, Geometrical Drawing for Art Students - Orient Longman, Madras, 2004.
2. Francis D. K. Ching, Architectural Graphics, John – Wiley and Sons, 2009.
3. Fraser Reekie, Reekie's Architectural Drawing, Edward Arnold, 1995

REFERENCES:

1. C.Leslie Martin, Architectural Graphics, The Macmillan Company, New York, 1978.