

**OBJECTIVES :**

To introduce the various facets of architecture and its influencing factors.

To introduce the formal vocabulary of architecture as one of the ways to experience the built environment.

To understand and appreciate the universals of architectural form and space in terms of elements and principles within particular historical, cultural and geographic contexts.

**UNIT I INTRODUCTION TO ARCHITECTURE 8**

Definitions of Architecture – Origin of Architecture – architecture as a discipline – context for architecture as satisfying human needs: functional, aesthetic and psychological-outline of components and aspects of architectural form-site, structure, skin, materials, services, use, circulation, expression, character, experience – Introduction to the formal vocabulary of architecture and Gestalt ideas of visual perception.

**UNIT II ELEMENTS OF ARCHITECTURE 7**

Understanding fundamental elements such as point, line, plane, form and space, shape, pattern, light, colour, surface and texture with reference to the evolution of architectural form and space.

**UNIT III ELEMENTS OF ARCHITECTURE – FORM 9**

Understanding perceptual effects of specific geometric forms such as sphere, cube, pyramid, cylinder and cone and its sections as well as their derivatives with respect to the evolution of architectural form and space.

**UNIT IV ELEMENTS OF ARCHITECTURE – SPACE 9**

Understanding perceptual effects of specific configuration of architectural spaces – Enclosure – Internal and External, Continuous spaces – Spatial relationship and its types, Spatial organisation: Centralized, Linear, Radial Clustered, Grid – built form and open space relationships.

**UNIT V PRINCIPLES OF ARCHITECTURE 12**

Understanding fundamental principles such as proportion, scale, balance, symmetry/asymmetry, rhythm, axis, hierarchy, datum, unity, harmony, dominance, climax – Movement with reference to the architectural form and space – detailed study of relationship between architectural form and circulation – Types of circulation – Building approach and entrance, path configuration and form, path space relationship, orientation.

**TOTAL : 45 PERIODS**

**OUTCOMES**

A thorough understanding on the definition of architecture; elements of architectures of form and space.

An exposure to the principles of architecture and applications of the same in buildings.

**REQUIRED READINGS:**

Francis D.K. Ching, "Architecture-Form, Space and Order", Van Nostrand Reinhold Company, New York, 2007.

Simon Unwin, "Analysing Architecture", Roulledge, London, 2003.

Pramar V.S., "Design Fundamentals in Architecture", Somaiya Publications Private Ltd., New Delhi, 1973.

Yatin Pandya,"Elements of Space making", Mapin 2007.

**REFERENCES:**

Leland M.Roth, "Understanding Architecture: Its Experience History and Meaning", Craftsman house, 1994.

Peter von Meiss, "Elements of architecture – from form to place", Spon Press 1977.

Rudolf Arnheim, "The dynamics of architectural form", University of California Press, 1977.

Neils Prak, "The language of Architecture", Mounon & Co., 1968.

Paul Alan Johnson, "The Theory of Architecture – Concepts and themes", Van Nostrand Reinhold Co., New York, 1994.

Helen Marie Evans and Carla David Dunneshil, "An invitation to design", Macmillan Publishing Co. Inc., New York, 1982.