

AR133	Introduction to Architecture	HRS 3-0-0	CR-3
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Objective

This course is introduced in the beginning of the B.Arch programme to impart an overall orientation towards Architectural course. To acquaint the students with fundamental knowledge of space and spatial organisation, basic aesthetic principles involved in architectural design, and approach to conceptualise and develop architectural design.

The course can be taught through interactive discussions, audio-visual presentations and creative assignments.

Module 1

ARCHITECTURE, SPACE AND MASS

Introducing Architecture as a profession and role of an Architect, Definition of architecture- elements of architecture - Concept of space, Articulation of form and space (Primary forms, properties of form, transformation of forms - dimensional transformation, subtractive, additive forms, organization of additive forms), Organisation of spaces, sense of enclosure, openings in space defining elements.

Module 2

AESTHETIC COMPONENTS OF DESIGN

Exploration of the basic principles of design such as Proportion, scale, balance, rhythm, contrast, harmony axis, symmetry, hierarchy, datum; Golden proportion, Theories of scale and proportion, Vitruvian theory, Modular man, Relationship between Art and Design with man, space and environment.

To be explained with building examples both historical as well as contemporary.

Module 3

SPATIAL ORGANISATION AND CIRCULATION

Different types of spatial organizations of masses linear, centralised, radial, clustered, grid organization illustrations of buildings both historical & contemporary.

Building approach, building entrance, Configuration of path, Path space relationship.

Module 4

DESIGN PROCESS

Integration of aesthetics, function and form - Understanding of formative ideas, organization concepts, spatial characteristics.

Massing and circulation in design analysis of the following buildings: Falling water house & Guggenheim museum by F. L. Wright -Villa Savoye & Chapel of Notre-dame Du Haut by Le Corbusier.

Module 5

Case studies of historical and contemporary site and buildings (Study of spatial organisation, form, element and art).

References

1. Francis D. K. Ching, *Architecture - Form, Space and Order*, Van Nostrand Reinhold Company, 1979
2. Roger H. Clark, Michael Pause, *Precedents In Architecture*, Van Nostrand Reinhold Company, 1996
3. K.W.Smithies, *Principles of Design in Architecture*, Van Nostrand Reinhold Company, 1981 4.

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- Sam F. Miller, Design Process - A Primer For Architectural & Interior Design, Van Nostrand Reinhold Company, 1995*
5. *Ernest Burden, Elements of Architectural Design – A Visual Resource, Van Nostrand Reinhold Company, 1994*
6. *V.S.Pramar, Design Fundamentals in Architecture, Somaiya Publications, New Delhi, 1973.*
7. *Vitruvius, Translation: Morris, H. M. (1960). The*