

**15ARC 6.6 – LANDSCAPE ARCHITECTURE**

**CONTACT PERIODS : 3 (Lecture) per week**

**PROGRESSIVE MARKS : 50**

**THEORY MARKS: 100**

**DURATION OF EXAM : 3 Hrs**

**OBJECTIVE:**

1. *To introduce the students to the discipline of Landscape Architecture.*
2. *To advance analytical and planning skills for Architectural project sites.*
3. *To develop design skills for small landscape projects.*

**Course Outline:**

Introduction, design philosophies and contemporary approaches to landscape architecture and design are reviewed through various landscape design projects over time while modules on site analysis, site planning, elements of landscape architecture and landscape design process are supported with theoretical inputs.

**Mode of study:**

- i. **Lecture component:** Various landscape design projects to explain the design philosophies, theoretical aspects of site analysis and site planning, element of landscape architecture and design process will be delivered as lecture component.
- ii. **Literature study:** Exercise on 'relating architecture and landscape' may be undertaken as a literature study exercise.
- iii. **Studio component:** Studio exercises in site analysis, site planning and a small landscape design project.

**Module 1: Introduction to the discipline of landscape architecture**

- a. Landscape as a broad terminology, Natural and Man-modified landscapes.
- b. Brief history and the growth of landscape architecture as a design and planning profession from gardens to regional landscapes.
- c. Scope and nature of professional work in contemporary landscape architecture, changing priorities of disciplinary approach: ecology, biodiversity and sustainability.

**Module 2: Relating Architecture and Landscape, Site analysis and Site planning**

- a. Study of architectural response to landscapes and understanding the relation between architecture and landscape through case examples.
- b. The idea of site as part of whole/larger landscape, Site inventory and analysis: physical, biological, social contextual studies and layers of site analysis, site suitability analysis, inferences and response for architectural interventions.
- c. Design considerations and approaches to site planning, site program, siting of buildings and open spaces, introduction to grading and land modifications, working with sloping sites.

Demonstration of understanding of site analysis and site planning through studio exercise.

**Module 3: Elements of landscape architecture and their application in landscape design**

- a. Primary landscape elements: Landform, water and vegetation, Design considerations and their role in articulating outdoor spatial design.
- b. Secondary landscape elements: Street furniture, landscape walls, paving, inert ground covers, trellis, outdoor shading structures, embellishments, etc. Design considerations and their role in spatial design. Hard and soft landscapes.

**Module 4: Works of noted landscape architects and landscape projects**

- a. Eastern landscape philosophies: Chinese and Japanese gardens, Asian landscapes: Mughal and Persian gardens, Western landscape designs: Italian and French gardens, English romantic gardens and American parks, Examples in modern landscape: works of Garret Eckbo, Lawrence Halprin and Peter Latz.
- b. Examples of contemporary landscape projects: works of Martha Schwartz , Maya lin, Peter Walker & Partners, Hargreaves Associates, Sasaki, SWA, Michael Van Valkenburgh, Andropogon Associates, Field Operations, Turenscape etc. Landscape projects in India: works of RavindraBhan, Shaheer Associates etc.

Examples should cover various categories of landscape design such as residential, commercial, institutional, public plaza, water/riverfront and other categories. The content of this module should emphasis on design philosophies, the changing styles and changing priorities of the profession over time.

**Module 5: Landscape Design project**

Demonstration of an understanding of landscape design through simple and small design exercise as studio project. Clarity in design process, detail development and representation of the landscape design scheme is to be emphasized.

NOTE: Studio exercises should be introduced after relevant theoretical inputs are delivered utilizing the contact periods.

**REFERENCES:**

1. **Laurie, M.** *An introduction to landscape architecture*, Elsevier. 1975.
2. **Motloch, J.** *Introduction to landscape design*, John Wiley & Sons, 2001.
3. **Holden, R &Liversedge, J.** *Landscape Architecture: An Introduction*, Laurence King publishing ltd. 2014.
4. **Girot, C.** *The course of landscape architecture: A history of our designs on our natural world*, Thames & Hudson. 2016.
5. **Simonds, J O.** *Landscape Architecture: A manual of site planning and design*, McGraw- Hill, 1997.
6. **LaGro, J.** *Site Analysis: Sustainable site planning and design*, John Wiley & Sons. 2013.
7. **Birksted, J.** *Relating architecture to landscape*, E&FN Spon. 2004.
8. **Shaheer, M &Dua, G.** *Landscape Architecture in India: A reader*, LA, Journal of landscape architecture. 2010.