

Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
2.	22AR424	Landscape Design & Site Planning	2	0	2	4

**Course Objective** Introducing the relationship between the built and the un-built environment and principles of sustainable site planning; To enable the students to understand the principles of site planning, site analysis techniques and its application in design of different landscape types.

**Anticipated Learning Outcomes:** Ability to analyse ecological and geomorphological characteristics of a site; use site analysis information to propose appropriate site planning and landscape design.

**Module 1 Principles** Landscape design definition, Theories and principles, aesthetic value of landscape, site survey analysis and appraisal, Elements of Landscape design

**Module 2 Landscape elements** Contours Representation of Land form and Landform design, interpolation of contours, slope analysis, Grading

Design of water bodies, swimming pool, storm water drainage design, design to reduce surface runoff paving and surface treatments

Vegetation, planting design principles and practice, indoor landscaping, terrace gardening, industrial landscaping. An assignment to be given to identify native plant species, their availability

**Module 3 Landscape design styles** History of landscape design. Landscape design style and principles: Chinese, Japanese, English, French, Moghul

**Module 4 Site planning and landscape design** Site Zoning. Organization of vehicular and pedestrian circulation; parking; street widths; turning radii; street intersections; steps and ramps. Site planning considerations in relation to water systems, sewage disposal, outdoor electrical systems.

Landscaping of residential areas, parks, archaeological gardens, urban avenues, Roads and Highways and Parking design Landscaping details.

An assignment to be prepared on designing and execution of a small landscape.

**Module 5** Methods for multi-criteria landscape evaluation.

**Note: Most Architectural subjects do not have Textbooks. The Reference books mentioned below are for reference only and University question paper should be prepared from the Syllabus descriptions.**

### References

1. Appleton. (1996). *The Experience of Landscape*. Wiley.
2. Laurie. (1986). *An Introduction to Landscape Architecture*. Elsevier.
3. Lynch, K. (1962). *Site Planning*. Cambridge: The MIT Press.
4. Simonds, J. O. (2006). *Landscape Architecture: A Manual of Land Planning and Design*.