

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA

Semester: 4th

LESSON PLAN

Subject: LANDSCAPE DESIGN AND SITE PLANNING

Session: Jan 2017 – May 2017

Theory / Sessional

Branch/Course: **Architecture**

Name of the Faculty Member: **Ar.Jogesh Chhatra**

Period	Module/Number	Topic to be covered	Remarks/ Sign. of Faculty Member
01	1	Introduction and History of Landscape Architecture. Introduction to landscape Architecture and Role of Landscape design in built environment, A brief review of Landscape Design and garden design in history of various regions Persian,	
02		Spanish, Italian, French,	
03		Moghul, English, Japanese Garden styles,	
04		Changing perception of mans relationship with nature in various phases of history and its influence on environment, Evolution of concepts in landscape design after the industrial revolution leading to new theories in integrating built spaces to open spaces. Increasing awareness of ecological variables in landscape design Site Studies and Site Planning: Principles of site Planning and Land use,	
05		review of definition applied in typical landscape development situations, Site survey and appraisal, understanding different site characteristics,	
06		topography, vegetation, Hydrology,	
07		Access, Surrounding etc. Documents, site characteristics and establishing relationship with design / Architecture programme requirements,	
08		Philosophical and design issues related to site development, sitting of buildings, spatial and contextual relationships of built and outdoor space and circulation,	
09		site and its relationship to surroundings, importance of climate and social factors in development of site, Process of design development,	
10		identifying functional requirements of site, Development of site by mutual exploitation of forms and use of grading principles	
11	2	Plants and design, Introduction to study of plants in relation to landscape design and architecture, an overview of use of plants in history,	
12		Study of plant material, Botanical Nomenclature anatomy and physiology of plant growth study of trees, shrubs	
13		ground cover, indoor plants in Indian context, Design with plants,	
14		basic principles of designs, the physical attribute of plants and relation to design, Appearance,	
15		functional and visual effects of plants in landscape design and built environment, Selection and management of plant material in relation to built environment	
16	3	Elements in landscape design, Use of landform, water and vegetation in landscape design,	
17		Hard landscapes, design of paths, roadways,	
18		streets, terraces etc and use of land form effectively, Soft landscapes,	
19		design of lawns, shrubs, hedges,	
20		trees, in relation to buildings and other landscape elements,	

		Design concepts related to use of sculpture,	
21		outdoor lightings, Architectural feature, steel furniture and	
22		grouping them into meaningful compositions for visual and functional effects.	
23	4	Landscape construction and services, Study of landform, its technical expression through grading plan,	
24		sections and earthwork computations, Irrigation systems- sprinkler trickle irrigation, drip irrigation and	
25		laying irrigation networks, Constriction of structure in landscape circulation roads, parking paths,	
26		level changes, walls, steps, lamps,	
27		construction of screens, trellis, wall fences,	
28		gales decks, pools etc, Contemporary concepts and concerns,	
29		contemporary attitude to development and design of open spaces, Urban landscape, parks,	
30		rural landscape etc, Introduction to concepts of green architecture and micro climate planning, the role of landscape components in modifying micro climate with respect to temperature,	
31		humidity, precipitation and percolation	
<p><i>Signature of the Faculty Member :</i></p> <p><i>Date:</i></p> <p style="text-align: right;">Counter Signature of H.O.D.</p>			