



Subject: Urban Design & Landscape - METTC11503

Type of course: Minor Stream

Prerequisite: NIL

Rationale: Urban Design and Landscape Architecture are essential for creating functional, aesthetically pleasing, and sustainable environments in cities and towns. Urban Design focuses on the arrangement and appearance of public spaces, ensuring that cities are well-organized, accessible, and conducive to community life. It integrates architecture, transportation, and public spaces to create cohesive and vibrant urban areas. Landscape Architecture complements this by designing outdoor areas, including parks, gardens, and streetscapes, that enhance ecological health, provide recreational spaces, and improve residents' quality of life. Together, these disciplines shape the physical and social fabric of urban areas, balancing human needs with environmental stewardship. This holistic approach fosters attractive, resilient, and livable communities, making cities more enjoyable and sustainable for future generations.

Teaching and Examination Scheme:

Teaching Scheme			Credits	Examination Marks					Total Marks
CI	T	P		C	Theory Marks		Practical Marks		
			ESE		MSE	V	P	ALA	
03	0	02	4	60	30	10	20	30	150

Legends: CI-Class Room Instructions; T – Tutorial; P - Practical; C – Credit; ESE - End Semester Examination; MSE- Mid Semester Examination; V – Viva; CA - Continuous Assessment; ALA- Active Learning Activities.

Continuous Assessment:

Sr. No	Active Learning Activities	Marks
1	Urban Design The faculty will assign each student the task of preparing an individual feature of urban design. Students will then create a chart based on their assigned feature and upload it to the GMIU Web-Portal.	10



2	Survey The faculty will individually assign each student a country, and students will prepare a report detailing the design characteristics of their assigned country, which they will then upload to the GMIU Web Portal.	10
3	Landscaping The faculty will assign each student an individual city or town for which they will design a landscaping plan and upload it to the GMIU Web Portal.	10
Total		30

Course Content:

Sr. No	Course content	Hrs	% Weightage
1	Introduction Urban Design terminologies & definition, Relevance of Urban Design in Planning & Architecture Urban Renewal, Rehabilitation, Revitalization, Redevelopment and Conservation, Urban design – an integral part of Urban planning, Urban Design Theory, and Principles	10	20
2	Features of Urban Design Urban form and its determinants by the interplay of masses, voids, building typology Scale, harmony, symmetry, color, texture, light and shade Dominance, height, urban signage and graphics, Public Realm, organization of spaces and their articulation in the form of squares, streets, vistas, and focal points, Image of the city and its components such as edges, paths, landmarks, street features, skyline	10	20
3	Surveys Survey techniques for urban aesthetics, Steps to carry out Visual survey and its recordings, Contents, and development of an aesthetic plan, and urban design schemes. Case studies of urban design characteristics of cities in India and abroad, Related issues for public intervention. Role of urban designer	05	10
4	Introduction to Landscape Landscape as a broad terminology, Natural and Man-modified landscapes. Brief history and the growth of landscape architecture as a design and planning profession from gardens to regional landscapes. Scope and nature of professional work in contemporary landscape architecture, changing priorities of disciplinary approach: ecology, biodiversity and sustainability Objective of landscape planning, environmental impact on the landscape. Landscape impact on the environment, Landscape design, and concepts used in different countries. Landscape design is related to land use, and various landscape plans	08	20
5	Landscape in Planning Norms for open spaces and landscape planning. Types,	12	30



	hierarchy, rules and laws, functions, and importance of open spaces. Gardens and parks, National and regional parks, and Special parks. Landscape planning in association with new projects like an expressway, river roads, homes for the blind, etc. Characteristics and components of open space patterns in towns and cities (traditional and contemporary) Basic types: streets, squares, plazas, gardens, river ghats and playgrounds, public parks at district, local, and neighborhood levels, Street furniture as a component of the urban landscape, Process of designing a functional landscape Plan		
	Total	45	100

Suggested Specification table with Marks (Theory): 60

Distribution of Theory Marks (Revised Bloom's Taxonomy)						
Level	Remembrance (R)	Understanding (U)	Application (A)	Analyze (N)	Evaluate (E)	Create (C)
Weightage	20%	30%	30%	10%	10%	NA

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Course Outcome:

After learning the course, the students should be able to:	
CO1	Understand the theories and components of Urban Design
CO2	Understand how the public spaces and forms affect the Urban Landscape
CO3	Evaluate the various norms and practices in the Indian and Global contexts for Urban design and landscape
CO4	Create a functional landscape plan for a public space

List of Assignment

Assignment and tutorial base on above mention topic.

Instructional Method:

The course delivery method will depend upon the requirement of content and need of students. The teacher in addition to conventional teaching method by black board, may also use any of the tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in laboratory.

Web links and Video Lectures (e-Resources):

1. Peoples TV Education:
<https://www.youtube.com/watch?v=q2SmO7pPIPg>
2. EDU-ARCHS:
<https://www.youtube.com/watch?v=ORxhMiRHEpk>

Reference Books:

- [1] Ancient Town Planning in India, Dutta, 2009, Isha Books, India.
- [2] Town planning in India, Rangwala 2015, Charotar Book Distributors, India, 28th Ed.
- [3] History of Urban Form: Before the Industrial Revolution, A.E.J. Morries, 1994, Routledge, New York, 3rd Ed.
- [4] History Builds the Towns, Arthur Korn, 1953, Lund, Humphris, London.
- [5] Urban Pattern, Arthur B. Gallion, 1975, Van Nostrand Reinhold Inc, U.S.; 3rd Revised edition

