

Course 4 – Landscape Design: Exterior Spaces

(Practical)

Course Type	Credits	Hours	Assessment	T-P-Pr
Core	4	120	100	1-3

Course Learning Outcomes (CLOs)

CLO1	Conduct site analyses, evaluating physical, contextual, and microclimatic factors.
CLO2	Develop landscape design concepts through ideation, sketching, and rendering techniques.
CLO3	Choose appropriate plants for design purposes, considering aesthetics, functionality, and sustainability.
CLO4	Integrate hardscape elements like pathways, patios, and walls seamlessly into landscape designs.
CLO5	Design and integrate water features and lighting elements, considering both aesthetics and maintenance.
CLO6	Execute a complete landscape design project from client brief to final presentation.

Course Content

Module	Course Content	Hours	CLO	Module Learning Outcome	Assignments
4.1	<u>Understanding the Site and Context</u> - Site Analysis and Inventory - Contextual Understanding - Physical and Cultural Factors - Microclimate Evaluation and Analysis	10	CLO1	- Perform a site analysis including soil type, topography, and sun/shade conditions. - Understand and evaluate the physical and cultural context of a design site. - Assess and incorporate microclimate considerations into the design process.	
4.2	<u>Design Development and Conceptualization</u> - Design Principles - Order, Unity, and Rhythm - Concept Development and Ideation - Sketching and Rendering Techniques for Landscape Design	15	CLO2	- Apply design principles such as order, unity, and rhythm to exterior landscapes. - Generate multiple design concepts through sketching and other ideation techniques.	
4.3	<u>Plant Selection and Management</u> - Plant Identification and Selection for Design Purpose - Planting Design Techniques and Strategies - Plant Management and Care Techniques	20	CLO3	- Identify a range of plants suitable for various design objectives. - Develop effective planting designs that consider aesthetics, maintenance, and ecological factors. - Understand and apply basic plant management and care techniques.	
4.4	<u>Hardscape Elements and Materials</u>	20	CLO4	Design and integrate hardscape elements	

	- Understanding Hardscape Elements - Pathways, Patios, Walls etc. - Material Selection - Sustainability and Aesthetics - Installation Techniques for Hardscapes			such as pathways, patios, and walls. - Make informed choices about materials for both aesthetic and sustainability considerations. - Understand basic installation techniques for hardscape elements.	
4.5	<u>Water Features and Lighting</u> - Designing Water Features - Pools, Fountains, and Ponds - Landscape Lighting Design - Maintenance of Water and Lighting Features	20	CLO5	- Design various water features like pools, fountains, and ponds. - Create effective lighting designs to enhance the usability and aesthetics of a space. - Understand maintenance requirements for water and lighting features.	
4.6	Final Project Students will design an exterior landscape for a hypothetical community space that serves multiple purposes: a recreational park, a community garden, and a small event space. Students will demonstrate their ability to integrate learned skills from each module, paying special attention to site analysis, conceptualization, plant selection, hardscape, water features, lighting, and sustainable practices.	35	CLO6	Design an aesthetically pleasing, functional, and sustainable exterior landscape that meets specific needs.	

Final Project:

Students will design an exterior landscape for a hypothetical community space that serves multiple purposes: a recreational park, a community garden, and a small event space. Students will demonstrate their ability to integrate learned skills from each module, paying special attention to site analysis, conceptualization, plant selection, hardscape, water features, lighting, and sustainable practices.

Project Components

1. Site Analysis
 - Topographical mapping
 - Soil and microclimate assessment
 - Contextual and cultural understanding
2. Conceptualization
 - Design ideation with sketches and mood boards
 - Initial draft layout
3. Plant Selection and Management
 - A detailed list of plant species
 - Planting design plan
 - Maintenance schedule for plants
4. Hardscape Elements and Materials
 - Detailed layouts for pathways, patios, walls, etc.

- Material selection and rationale
- 5. Water Features and Lighting
 - Design and layout of water features
 - Lighting plan
- 6. Final Design Presentation