

SYLLABUS: FUNDAMENTALS OF LANDSCAPE ARCHITECTURE



Course name: Fundamentals of landscape architecture
Number of credits: 4.8 ECTS/3MCTS
Period: Fall semester

Host institution	Mongolian University of Life Sciences
Lecturer	Munkhtuvshin Khishigzundui
Level	B.Sc course
Course type	Major course
Course duration	16 weeks
New/Revised	Revised
E-course link	https://online.num.edu.mn/dashboard

Summary

The course introduces the basic concept and style of landscape architecture and consists of two main parts: the concept of landscape - style, and the beauty of the landscape. The first part includes the concept of landscaping - development, concept of landscaping - importance, skills of landscape architect, research of landscape architect, goals - needs of landscaping, landscape development, and classification of landscape styles. The next part is elements of natural beauty, aesthetic elements and principles of landscape design, points, lines, planes and surfaces, shapes, directions, light and shadows, texture, size, color, axis, principles and theories of landscape beauty. content.

Target student audiences

Second grade undergraduate students

Prerequisites

Required courses (or equivalents)

Black nature morte LMD 252

Aims and objectives

The course aims to get familiar with the basic principles of landscape architectural planning and to provide knowledge about the theory of harmony between spatial elements and form of design planning through lectures. The aim is to teach the use of environmental research through practical lessons and to specialize in the planning skills of trees, shrubs, and roads. Studying this lesson will help the student to master the ability to develop images using the results of design composition.

The authentic tasks

- ~ Shape, light, shadow, color, graphic, perspective structure of objects and phenomena
- ~ Draw graphic scenes of trees and shrubs with dots and dashes

General learning outcomes:

By the end of the course, successful students will:

Knowledge

By studying the course, while mastering the basic knowledge of landscape architecture, students will acquire the ability and practice of correct use of images at the initial level by applying the principles and theories to research. In terms of theoretical knowledge, the knowledge written in the content section of the course will be acquired based on the basic textbook.

Application	<input type="checkbox"/> To apply the fundamental knowledge for other professional courses in Landscape Architecture, and to plan and draw sketches and plan drawings through the graphic manually.
Analysis	<input type="checkbox"/> To prepare several models of landscape architecture sketch plan and analyze them to select the appropriate model.
Synthesis	<input type="checkbox"/> To use a variety of drawing tools and materials in combination to create a comprehensive plan and perspective drawing.
Competences	<p>The following practical skills will be acquired based on the theory of form composition widely used in landscape architecture, and they will learn to use it in landscape architecture planning. It includes:</p> <ul style="list-style-type: none"> ~ Learn basic dot and dash operations ~ To map objects and scenes with a perspective structure using shapes, light and shadows, and color charts ~ Draw graphic scenes of trees and shrubs with dots and lines

Overview of sessions and teaching methods

Classes use most of the interactive, self-directed thinking techniques in teaching and learning, and avoid regular lectures and presentations if possible

Learning methods	<input type="checkbox"/> Video presentations <input type="checkbox"/> Interviews, surveys, fieldtrip, group work, written articles/essay <input type="checkbox"/> Project Based Learning <input type="checkbox"/> Literature review <input type="checkbox"/> Stakeholder analysis/client consultancy
Course outline	<p>Week 1: The concept and development of landscaping</p> <p>Week 2: Landscape architect skills. Landscape architectural research</p> <p>Week 3: The purpose and need for decoration. Landscape development</p> <p>Week 4: Landscape style classification</p> <p>Week 5: The beauty of the landscape</p> <p>Week 6: Aesthetic elements and principles of landscape design. Point. Line</p> <p>Week 7: Flat or surface. Shape. Direction</p> <p>Week 8: Light and shadow.(contrast)</p> <p>Week 9: Color. Axis</p> <p>Week 10: Principles and theory of landscape beauty</p> <p>Week 11: Radiation. Repetition. Gradation.</p> <p>Week 12: Rhythm. far near</p> <p>Week 13: Shelter exposure. Illusion.</p> <p>Week 14: Borrow vied. Angle of the eye view.</p> <p>Week 15: Proportion</p> <p>Week 16: Composition of elements</p>

Course workload

Activities	Learning outcomes	Assessment	Workload (hours)
In-class activities			
Lectures	Understanding theories, concepts, methodology and tools	Class participation	
Moderated in-class discussions	Correct composition of elements in landscape space	Class participation and preparedness	

		for discussions	
In-class assignments, field assignment	Understanding and using various design elements on landscape planning	Class participation and preparedness for assignments	
In-class assignments, field assignment	Reading and discussion of assigned papers for seminars and preparation for lectures	Class participation, creative and active contribution to discussion	
Independent work			
Individual work:	Planning and perspective drawing of ~ trees, bushes, shrubs ~ rocks ~ site planning with chairs ~ site planning with bower ~ site planning with trees, bushes, shrubs ~ site planning with complex elements	Quality of perspective drawing and individual planning	
Total			

Grading

The students' performance will be based on the following:

Assessment	1. Attendance – 20% Assessed by access to e-courses
	2. Progress examination – 20%
	3. Skill examination – 30%
	4. Final examination – 30%

Evaluation EU system	A (8,5 – 10) B (7,0 – 8,4) C (5,5 - 6,9) D (4,0 – 5,4)	Evaluation MN system	95-100	A	4.0
			90-94	A-	3.6
			85-89	B	3.1
			80-84	B-	2.7
			75-79	C	2.3
			70-74	C-	1.9
			65-69	D	1.4
			60-64	D-	1.0
			0-59	F	0.0

Course schedule

Week	In-class hours	Topic	Type
1	2	The concept and development of landscaping: The concept and importance of landscaping	Lecture
	2	Coniferous tree depiction (black and white)	Seminar
2	2	Landscape architect skills. Landscape architectural research	Lecture
	2	Image of a deciduous tree (black and white)	Seminar
3	2	The purpose and need for decoration. Landscape development	Lecture
	2	Сөөгний дүрслэл (хар цагаан)	Seminar
4	2	Landscape style classification	Lecture
	2	Stone image (black and white)	Seminar
5	2	The beauty of the landscape: Elements of natural beauty	Lecture
	2	Chair area plan planning	Seminar
6	2	Aesthetic elements and principles of landscape design. Point. Line.	Lecture
	2	Shaded area plan planning	Seminar
7	2	Flat or surface. Shape. Direction	Lecture

	2	Planning of trees and shrubs	Seminar
8	2	Light and shadow.(contrast) Texture. Size.	Lecture
	2	Plan planning with trees, shrubs, shades and chairs	Seminar
9	2	Color. Axis.	Lecture
	2	Plan the area with chairs and paint them in color	Seminar
10	2	Principles and theory of landscape beauty: Symmetry. Constrast. Uniformity	Lecture
	2	Shaded area plan planning coloring	Seminar
11	2	Radiation. Repetition. Gradation	Lecture
	2	Planning of trees and shrubs	Seminar
12	2	Rhythm. far near	Lecture
	2	Plan, color, plan trees, shrubs, shades and chairs	Seminar
13	2	Shelter exposure. Illusion	Lecture
	2	Perspective construction of chairs construction	Seminar
14	2	Borrow vied. Angle of the eye view	Lecture
	2	Perspective construction of shadows	Seminar
15	2	Proportion	Lecture
	2	Perspective construction of trees and shrubs	Seminar
16	2	Composition of elements	Lecture
	2	Perspective structure with trees, shrubs, shades and chairs	Seminar
Lecture 32 Seminar 32			

Course assignments/tests

At the end of each lecture lesson, there are key questions to reinforce the understanding of the topic, which the students answer to strengthen their knowledge. By practice, the students will complete the tasks of the drawing lesson independently, so that at the end of the practice lesson, they will learn to develop the landscape architecture image with the correct proportions.

Literature

Compulsory:

1. Yoon Pyung-seop Landscape architecture (2011)

Recommended:

1. Kh.Munkhtuvshin Graphic handbook of trees, shrubs and bushes (2022)

TRAINING MATERIALS:

1. A guide to landscape trees, shrubs, and shrubs
2. Perspective construction
3. Watum paper
4. Color paints (pencils, watercolors, etc.)