



زانکۆی سه‌لاحه‌دین - هه‌ولێر  
Salahaddin University-Erbil

**Department of Horticulture**

**College of Agricultural Engineering Sciences**

**Salahaddin University- Erbil**

**Subject: Landscape Design**

**Course Book – 4<sup>th</sup> Stage / Fall Semester**

**Lecturer's name: Dr. Eng. Land. Arch. Kardo Nooruldeen Kareem**

**Academic Year: 2021/2022**

# Course Book

<b>1. Course name</b>	Landscape Design
<b>2. Lecturer in charge</b>	Dr. Eng. Land. Arch. Kardo Nooruldeen Kareem
<b>3. Department/ College</b>	Horticulture/ Agricultural Engineering Sciences
<b>4. Contact</b>	E-mail: kardo.kareem@su.edu.krd
<b>5. Time (in hours) per week</b>	Theory: 2 and Practical: 3
<b>6. Office hours</b>	5 days a week
<b>7. Course code</b>	
<b>8. Teacher's academic profile</b>	<p>- B.Sc: 2006/ Plant Production / College of Agriculture/ Salahaddin University -Erbil/ Kurdistan Region/ Iraq.</p> <p>- M.Sc : 2009/ Landscape Gardening/ College of Natural Science /Lugansk Taras Shevchenko National University Ukraine.</p> <p>- Ph D.: 2018/ Landscape Architecture / Architecture and Urban Planning/ Faculty of Architecture/ Poznan University of Technology / Poznan/ Poland.</p>
<b>9. Keywords</b>	Landscape Gardening, landscape Design, Landscape Architecture, Ornamental Plants, Sustainable Landscape Design , Landscape Ecology, Cultural Landscape ,Environmental, History of Gardening and Components

## 10. Course overview:

**Landscape Design** is the art of arranging or modifying the features of a yard, an urban area, or other space for aesthetic or practical reasons.

Landscape design courses teach students how art and science work together to create beautiful and functional landscapes. Students who take landscape design courses are well suited to become professional landscape designers, landscape gardening, or landscape architecture. Curricula in landscape design programs typically include:

- Procuring knowledge of various plant species and their required care
- Theory and Principles of Landscape Design
- Understanding local and seasonal climate and plant variance
- Gaining thorough working knowledge of design and drafting programs
- Drafting and Drawing
- Site Analysis
- Components (Soft landscape and Hard landscape)

Landscape design course is highly regarded in the architecture and industry and enables students to enter many professions including: Urban planning, site planning, Environmental restoration, Greenery (Gardens, Parks or open space) and recreation planning, Green infrastructure design and planning.

**11. Course objective:**

**UNDERGRADUATE LEARNING OBJECTIVES**

These statements are made operational by skills and abilities common to the theory and practice of landscape design that our undergraduate students are expected to acquire:

- To communicate effectively in graphic, written, and verbal formats.
- To understand the relationship of the history and theory of landscape design and gardening.
- To acquire knowledge of the basic fundamentals of environmental design, particularly the implications of social and natural factors.
- To apply design principles in a range of sites and scales.
- Understand the Landscape as a built environment that interacts with aesthetical, social, ecological, and cultural aspects.

Additionally, it is our philosophy that our students be compelled to bring their creative talent to the public landscape. Further, we hope our students will self-actualize through their educational process while being grounded in theory, methods (including field), construction craft, and studio design.

**12. Student's obligation**

The obligation of the students in this academic course includes attendance in the lectures on time and listening teachers carefully, try as much as possible to read the material and teachers notes daily participate in class activities and prepare the assignments to gain the benefits from the course. However, preparation every week they will do quiz, homework and also encourage all students to participate by giving then questions and giving opportunity to all of them, attendance the exam by studying the materials, make a drawing about gardens and parks and present it for the other students at the class or homework.

**13. Forms of teaching**

The form of teaching is including use of white board mostly, However, Projector will be used to display my objectives by PowerPoint to present the lecture, and sometimes, give the lecture to the students by Microsoft word for each lecture. Moreover, the other primary materials drawing and the practical part there will be investigation presentations and also discussions that will encourage team work between the students in one hand, and interaction between the lecturer and students in another hand.

**14. Assessment scheme**

First exam after five lectures

Second exam after ten lectures

Mark distribution:

Monthly exam 50% (Theoretical 15% + Practical 35%).

Final exam 50%

Final mark 100%

**15. Student learning outcome:**

Demonstrate a fundamental understanding of the fundamental design methodologies in landscape design at appropriate scales: context, strategy and detail. After finishing this course students will be introduced to the importance of landscape design. They will be got information about gardening, parks, and ornamental plants, as well as history of gardening,

hard landscape, soft landscape drawing, sketch and scales. Understanding, interesting and enjoy in the term of landscape design.

## 16. Course Reading List and References:

Abdullwahed, A. (2012). An introduction to planning and design of greenery and general open area in cities (Landscaping). Dar Almaarefa Library. Al-Azhar University, Egypt. (in Arabic).

Albatal, N. and Awath, A. A. (2005). Ornamental plant and landscape gardening. Damascus university. College of Agricultural Engineering. Third publication. Damascus. Syria.(in Arabic).

Campbell, Gordon. (2016). A Short History of Gardens. Oxford University Press. United Kingdom. Printed in Great Britain by Bell & Bain Ltd., Glasgow.

Dally, Stephanie. (1993). Ancient Mesopotamian Gardens and the Identification of the Hanging Gardens of Babylon Resolved. Garden History 21: 7. JSTOR 1587050

Fromme, Tres. (2006). Designing great gardens: Defying classification and seeking relevance. Public Garden 21 (1):24-27.

King, Ronald. (1979). Great gardens of the world. London: Peerage books. p.11.

Robertson, I. M. (1989). Botanical Basics. Landscape Architecture, 1: 69-74.

Spence-Jones, R. (2012). 1001 Gardens you must see before you die. Designed and produced by Quintessence, London. UK.

Turner, Tom. (2005). Garden History: Philosophy and Design 2000 BC–2000 AD. Published by Spon Press, Taylor and Francis Group, London and New York.

Ullmann, h.f. (2007). Gardening Encyclopedia. Botanica's Pocket. Over 1000 pages and Over 2000 Plants listed. Printed in China.

Virtudes, Ana. (2016). Benefits of Greenery in Contemporary City. IOP Conf. Series: Earth and Environmental Science 44: 032020.

Waymark, Janet. (2003). Modern Garden Design. Thames and Hudson.

<b>17. The Topics:</b>	<b>Lecturer's name</b>
<b>Theoretical Part</b>	<b>Dr. Kardo N. Kareem</b>
Introduction	2 hours
Importance Greenery in the City	13/9/2021
Glossary of Landscaping Terms	
History of Gardening	2 hours
Ancient Gardens	20/9/2021
Gardens in Classical Antiquity	
The Medieval Garden	
The Islamic Garden	2 hours
Renaissance Gardens	27/9/2021

Design and Drawing Steps Implementation of the Drawing and Cultivation of Various Plants Symbols and Elements of Visualization	2 hours 4/10/2021
Establishing or Creating Gardens and Parks	2 hours 11/10/2021
Principles of Landscape Design Unity- Symmetric- Balance- Proportion-Simplicity- Variety- Rhythm	2 hours 18/10/2021
First Examination	2 hours 25/10/2021
Design Components of Landscape Natural Components (Soft Landscape)	2 hours 1/11/2021
The Components of Gardens and Parks Design Natural Components (Soft Landscape)	2 hours 8/11/2021
Design Components of Landscape Artificial Components (Hard Landscape)	2 hours 15/11/2021
The Components of Gardens and Parks Design Artificial Components (Hard Landscape)	2 hours 22/11/2021
Maintenance of Parks and Gardens	2 hours 29/11/2021
Home Gardens Villa Gardens	2 hours 6/12/2021
Public Parks	2 hours 13/12/2021
Second Examination	2 hours 20/12/2021
Lighting in Landscape	2 hours 27/12/2021
Irrigation in Landscape	2 hours 3/01/2022
Children Garden & School Garden	2 hours 10/1/2022
Hospital Garden & Roof Garden	2 hours 17/01/2022
<b>18. Practical Topics</b>	<b>Lecturer's name Dr. Kardo N. Kareem</b>
Principles Engineering Drawing	3 hours
Practical Engineering Drawing	3 hours
How to Draw a circle within a (triangle, quadrangle, pentagon, hexagon, heptagon, octagon,.etc) inside.	

Steps of Home Garden Design	3 hours
Steps of Gardens & Parks Design	
Symbols and Elements of Landscape Design	
Small Yard Landscaping	3 hours 27/10/2020
House and Garden Design	3 hours
First Examination	3 hours
Villa Garden Design	3 hours
Individual Criticism	3 hours
Types of Graphic	3 hours
Public Garden	3 hours
Individual Criticism	3 hours
Park Landscape Design	3 hours
Individual Criticism	3 hours
Second Examination	3 hours
Japanese Garden Design	3 hours
Ottoman Garden	3 hours
Persian Garden	3 hours
English Garden	3 hours
Rock Garden	3 hours

## 19. Examinations:

1. Compositional: In this type of exam the questions usually starts with Explain how, What are the reasons for...?, Why...?, How....?

Example :

What is the meaning of Hedges? Mention their types? With examples of scientific name?

2.True or false type of exams:

In this type of exam a short sentence about a specific subject will be provided, and then students will comment on the trueness or falseness of this particular sentence.

Examples :

Stones play an important and traditional role in Japanese garden.

True

3. Multiple choices:

In this type of exam there will be a number of phrases next or below a statement, students will match the correct phrase.

Examples :

The typical tree silhouette that has the characteristic of horizontally branching pattern is :-

A- round B-wide- oval C- weeping

## 20. Extra notes:

Here the lecturer shall write any note or comment that is not covered in this template and he/she wishes to enrich the course book with his/her valuable remarks.

## 21. Peer review:

This course book has to be reviewed and signed by a peer. The peer approves the contents of your course book by writing few sentences in this section.

*(A peer is person who has enough knowledge about the subject you are teaching, he/she has to be a professor, assistant professor, a lecturer or an expert in the field of your subject)..*