

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Horticulture and
landscaping
Stage: Second
Lecturer name: Raad Wheeb Mhmood
Scientific title: assistant professor
Qualification: PhD
Place of work: College of Agriculture

Flow up of implementation celli pass play

Course Instructor	Raad Waheeb Mahmoud				
E-mail	raadalzuhairi@uodiyala.edu.iq				
Title	Garden design principles				
Course Coordinator	Second semester				
Course Objective	The student will become familiar with the science of landscape and its history, and will learn the systems for creating gardens and the foundations and standards for creating gardens				
Course Description	5 hours 3.5 units				
Textbook	Garden Engineering and Design, Dr. Talal Al-Chalabi (1990). Ornamental and garden design, Dr. Sami Karim and Mohsen Khalaf (1989). Fahy, Frank J. <i>Foundations of engineering acoustics</i> . Elsevier, 2000. HOU, Jingming, et al. Numerical simulation for runoff regulation in rain garden using 2D hydrodynamic model. <i>Ecological Engineering</i> , 2020, 153: 105794 APAZHEV, A. K., et al. Environmental engineering approach for ecologization of plant protection systems. In: <i>IOP Conference Series: Materials Science and Engineering</i> . IOP Publishing, 2020. p. 062002.				
Course Assessments	Theoretical semester tests %	Practical semester tests %	Quizzes %	Final practical test %	Final Exam %
	(25%)	(10%)	(5%)	20%	(40%)
General Notes	Final grade 100%				

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the week	the date	Topics Covered	Practical Part	Notes
1		Introduction to the importance of foundations, elements and the concept of (forming the design idea(Training on the use of laboratory tools (ruler, triangles, pens, papers including regular, granular, etc(.	
2		Definitions - Terms - Design, Designer, Creativity, Imagination and Talentetc.	Framing the design board space (A4, A3) with information key and symbols	
3		Factors in light of which the design idea is developed.	Exercise 1 - All types of lines (straight, oblique, curved(...	
4		Factors in light of which the design idea is developed.	Exercise 2 - The point and its embodiment in the form of a circle to express the components of the garden	
5		Design elements (dots and lines of all kinds(Exercise 3 - Overlapping lines to form 2D and 3D shapes and shading	
6		Space, solids and two-dimensional shapes	Exercise 4 - The relationships that link the above shapes (overlapping, contact, etc.)	
7		harmony, movement, direction	Exercise 5 - Training on using different types of colors (oil, water, wood, tracing paper, grainy paper, etc(.	
8		Repetition, color, its effects, its connotations, etc.	Exercise 5 - Training on using different types of colors (oil, water, wood, tracing paper, grainy paper, etc(.	
9		Design basics (simplicity, balance, proportion(Show the designs of the previous stages to learn how to (discuss, analyze, make observations, etc.) and benefit from previous experiences.	
10		The scale in its two types: human scale and drawing and harmony scale...etc.	Students prepare design ideas for each of them (to start orientation and preparation	

11		Gradation, contrast, sovereignty, symmetry, opinions and theories	Continue the preparation process and provide the requirements for implementing each idea.	
12		Diversity, unity in all its forms, unity of idea, unity of form	Present design ideas for discussion with fellow designers.	
13		Diversity, unity in all its forms, unity of idea, unity of form	Discussions continue	
14		Street and island gardens	Agree on a format for displaying all designs.	
15		Historical sequence of garden design (Mesopotamian gardens, Nile Valley gardens, Persian gardens, etc.)	Agree on a format for displaying all designs.	



Teacher's signature
Assist. Prof. Dr. Raad Wheeb Mhmood
15/1/2025



Dean's signature
Prof. Dr. Raaed Ibrahim Khalil
15/1/2025