

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Horticulture and
landscaping

Stage: Second Class

Lecturer name: Nisreen Mohammed
Hathal

Scientific title: Teacher

Qualification: Ph.D

Place of work College of
Agriculture

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|--------------------|---|---------------------------|---------------------------|-------------------------|-------------------------|
| Course Instructor | Nisreen Mohammed Hathal | | | | |
| E-mail | nisreenmohammed@uodiyala.edu.iq | | | | |
| Title | Principles of Horticulture | | | | |
| Course Coordinator | First semester/ 2023-2024 | | | | |
| Course Description | - Study of science horticulture , environmental factors, and methods of propagation of horticultural plants. | | | | |
| Textbook | Principles of horticulture - Faisal Rashid Al-Kanani Principles of horticulture - Dr. Karim Saleh Abdul and Dr. Saad Zaghoul | | | | |
| Course Assessments | The theoretical semester exam | % Practical semester exam | Daily % theoretical exams | % Practical final exams | Theoretical% final Exam |
| | 20 | 15 | 5 | 20 | 40 |

Course weekly Outline

| Notes | Practical part | Theoretical part | Date | الاسبوع |
|-------------------------------|--|---|------|---------|
| | Recognition of Horticultural field and stricture gardens, orchards. Fields. Plastic and green houses | Horticulture Science .Development of horticulture Science Economical | | 1 |
| | Methods of vegetative propagation (cutting , layering , budding , grafting) | Horticultural plant Taxonomy | | 2 |
| | Different seeds planting and transplanting (sexual propagation) | Ecological factories and it's in fluencies in Horticultural plant (high , temperature, Humidity soil) | | 3 |
| | Planning Nurseries and planting of Horticultural plant and nurseries management | Methods of propagation of horticultural plants | | 4 |
| | Irrigation and fertilizer methods and the application of them in the field. | Nurseries, field cultivation patterns (fruits, vegetables, ornamental, medicinal and aromatic plants) | | 5 |
| Semester 1 st exam | | | | 6 |
| | Practical application in the green and plastic house and the method of controlling the ecological factors to sate the procreation of crops | Agricultural practices Irrigation , Fertilizer , Thinning ,weed control | | 7 |
| | Visiting different garden and National parks and orchards . | Cultivation under controlled atmosphere | | 8 |
| | Planting Date plum ,Citrus, and pomes crops and stone fruits | Examples of fruit trees (deciduous and evergreen fruit) | | 9 |
| | Examples of crops in different families | Examples in vegetable crops | | 10 |
| | Examples of important ornamental crops | Examples in ornamental plants and garden design (Annuals , biannual) . | | 11 |

Semester 2nd exam**12****Examples of important medicinal and aromatic plants****Examples of cultivation of the most important medicinal and aromatic plants****13****Harvesting and picking and packaging of Horticulture crops****Plant Breeding****14**