

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Horticulture and
landscaping

Stage: Third

Lecturer name: Ekhlas Meteab Marer
Ahmed

Scientific title: Assistant Professor.

Qualification:

Place of work: College of Agriculture

Flow up of implementation celli pass play

Course Instructor	: Ekhlas Meteab Marer Ahmed
E-mail	ekhlasmeteab@uodiyala.edu.iq
Title	Medicinal and Aromatic Plants
Course Coordinator	First semester (fall)
Course Objective	<p>The aim of teaching the profession is:</p> <ol style="list-style-type: none">1. The importance of medicinal and aromatic plants in agricultural production. The most important problem facing the production of medicinal and aromatic plants in Iraq, and the possibility of overcoming them.2. Teaching students the concept of medicinal and aromatic plants and their uses3. Teaching students about the factors affecting medicinal and aromatic plants.4. Teaching students about methods of propagating and cultivating medicinal and aromatic plants in their various species5. Identify the bioactive components in it and how to extract them.6. On the plant parts in which the bioactive components are concentrated7. Teaching students about the common types of medicinal and aromatic plants.8. Teaching students about all service operations required by medicinal and aromatic plants.9. Teaching students about diseases that can be treated with medicinal and aromatic plants.10. Modern research trends in the production of medicinal and aromatic plants.11. Environmental and agricultural conditions and their impact on the production of medicinal and aromatic plants.12. The student learns about the importance of medicinal and aromatic plants in agricultural production and their role in raising national income

Course Description	<p>education outcomes include the student's cognitive and scientific objectives</p> <ol style="list-style-type: none"> 1. Enabling students to know and understand the basics of medicinal and aromatic plants 2. Enabling students to know and understand the methods of production and propagation of economic medicinal and aromatic plants common in Iraq. 3. Enabling students to know and understand modern methods for extracting and evaluating bioactive components. 4. Enabling students to identify the bioactive components of most medicinal and aromatic plants that are used as drugs for some diseases. 5. Enabling students to know the methods of collecting and drying medicinal and aromatic plants. 				
Textbook	<ol style="list-style-type: none"> 1- Al-Saadi, A. H. and et al. Medicinal Plants 2- Al-Shahat A. N. (1985). Medicinal Plants and Herbs. Publishing house, Madbouly Library, 496pp. 3- Harborne, J.B. (1973): Photochemical Methods A Guide to Modern Techniques of plant Analysis. Distributed in the USA by Halsted press, a Division of John Wiley & Sons, INC New York P. 1-271. 4- Wagner, H.; Hiroshi, H. and Norman, R.F. (1988): Economic and Medicinal plant research. Volume 2. Academic press 				
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	17-9-2024	1- An introduction to the history of medicinal and aromatic plants in the world and the Arab world	The economic and therapeutic importance of medicinal and aromatic plants	The article has been updated with an addition Sustainable development(Management) within Scientific lectures on Medicinal and Aromatic Plants
2	24-9-2024	1- Introduction historical study of medicinal and aromatic plants.	The economic and therapeutic importance of medicinal and aromatic plants	
3	1-10-2024	Collecting, preparing, handling and storing medicinal and	The most important horticultural operations that	
4	8-10-2024	1-Study the reality of medicinal and aromatic plants in Iraq 2- The importance of medicinal	The most important horticultural operations that take place for medicinal and	
5	15-10-2024	An introductory study of medicinal plants	The most important horticultural operations that take place for medicinal and aromatic plants during production	
6	22-10-2024	Introducing the student to the economic and therapeutic importance of medicinal and	The most important horticultural operations that take place for medicinal and	
7	29-10-2024	Collecting, preparing, handling and storing medicinal and	The most important medicinal and aromatic	
8	5-11-2024	- Study the reality of medicinal and aromatic plants in Iraq	Displaying examples of pictures and plant samples with an explanation of each type and class of plant, along with periodic visits inside the field to detect and explain medicinal and aromatic	

9	12-11-2024	2- The importance of medicinal plants in preparing medicine and medical and aromatic supplies.	The most important medicinal plants that contain active compounds	
10	19-11-2024	Introducing the student to the divisions and classification of medicinal and aromatic plants	The most important medicinal plants that contain alkaloids.	
11	26-11-2024	-1 Division and classification of medicinal plants	1- Follow the most important medicinal plants that contain glycosides.	
12	11-12-2024	The Sustainable development(Management) and its relationship to Medicinal and Aromatic Plants	The Sustainable development(Management) and its relationship to Medicinal and Aromatic Plants	
13	11-12-2024	Division of secondary compounds in medicinal and aromatic plants, their uses, their most important	1- Medicinal plants that contain insect killers 2-- Medicinal plants that	
14	10-12-2024	Use of medicinal and aromatic plants as treatment	Medicinal plants containing tannins and resins Medicinal plants that contain brown, mucous and gum	
15		The most important common medicinal and aromatic plants in Iraq The most important problems facing the production of medicinal and aromatic plants in	Various ways to separate some active substances (volatile oils, fixed, alkaloids, kucloside, etc.	
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Dean's signature
Prof. Dr. Raaed Ibrahim Khalil
15/1/2025

Teacher's signature
Assist. Prof. Dr. Ekhlas Meteab Marer Ahmed
15/1/2025