

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: Dr. Nisreen Mohammed
Hathal
Scientific title: Lecturer
Qualification: Ph.D.
Place of work: College of Agriculture

Flow up of implementation celli pass play

Course Instructor	Nisreen Mohammed Hathal				
E-mail	nisreenmohammed@uodiyala.edu.iq				
Title	Organic Agriculture				
Course Coordinator	Second semester (spring)				
Course Objective	<ul style="list-style-type: none">-Introducing students to the concept of organic agriculture in general and its difference from traditional agriculture.-Study the effect of organic agricultural practices on plant growth and soil health.- Promoting awareness of sustainable agriculture by reducing dependence on industrial chemicals.-Promoting human health by providing high-quality food crops free of harmful chemicals.				
Course Description	Introducing to the importance of organic agriculture, its conditions and some of its laws, the use of organic pesticides, and the quality and quantity of production in organic agriculture.				
Textbook	<p>Principles in Organic Farming by Musallat and Musleh (2012).</p> <p>Organic Farming: Its Specifications and Importance to Human Health by Azmi Abu Rayyan (2010).</p>				
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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Mohammed Hathal**
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the week	the date	Topics Covered	Practical Part	Notes
1		Identification and importance of organic farming	Distinguish among types of organic fertilizers	
2		Prevalence of organic farming in the world	Training on decomposition of organic matter	
3		Types and sources of organic matter	Carrying out experiment of organic fertilizers types in pots	
4		Non nitrogenic organic compounds	Visiting the researches of high graduate students which it executed under organic farming system	
5		Non nitrogenic organic compounds	Measurement temperature degree of different organic fertilizers during decomposition	
6		Nitrogenic organic compounds	Determination of chlorophyll pigment in leaves	
7		Semester 1 st exam	Semester 1 st exam	
8		Decomposition of organic compounds (cellulose ,hemicellulose ,starch ,pectin ,chitin)	Determination of external density in soils which added to it different organic fertilizers	
9		Decomposition of organic compounds (cellulose ,hemicellulose ,starch ,pectin ,chitin)	Evaluation of organic farming products	
10		Decomposition of nitrogenic organic compounds (proteinic and non proteinic	Visiting the Organic Farming Centre in the Ministry of Agriculture	
11		Formation of Humus and Humic acids groups	Decomposition indicators of organic matter	
12		Interaction among glycolic of organic matter , glycolic of soil and soil content of organic matter	Discussion the results of analyses above	
13		The role of organic matter in soil fertility ,activity of soil organs and physical characteristic of soil	Discussion the results of pot experiments	

14		Semester 2 nd exam	Semester 2 nd exam	
15		Lows of organic farming and uses of organic pesticides	preparation reports	



Teacher's signature
Dr. Nisreen Mohammed Hathal
15/1/2025



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