

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research



University: Diyala
College: Agriculture
Department: Horticulture and
landscaping
Stage: second class
Lecturer name: Mohammed Ali Zain
aldain
Scientific title: Lecturer
Qualification: Ph.D.
Place of work: College of Agriculture

Form of completing the teaching plan for the course

Course Instructor	Mohammed Ali Zain aldain				
E-mail	Mohamed.greengold@yahoo.com				
Title	Organic Agriculture				
Course Coordinator	Second semester (fall)				
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	Learn about organic agriculture, purpose, establishing an organic farm, obtaining a healthy organic agricultural crop, uses of organic fertilizers, etc.				
Textbook	1- Plant nutrition -Abu Dahi.1988 2- Plant nutrition – alraes.1987				
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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Course weekly Outline

الملاحظات	المادة العملية	المادة النظرية	التاريخ	الاسبوع
	Principles of organic farming	Historical summary of organic agriculture		1
	Organic farming terminology	Nutritional value of organic agricultural products		2
	Organic production	Sources of organic matter		3
	Organic matter	Organic agriculture requirements and conditions that must be met in the elements of organic agriculture		4
	organic fertilizers	Organic matter and humus in agricultural soils		5
	Humus formation	Humic acid, Fulvic acid, humine		6
	Action of Humic and Folvic in the soil	Organic fertilizers and soil terminology, types of organic fertilizers		7
	Green fertilizers	Good qualities of green manure crop		8
	Industrial organic fertilizers	Agricultural courses		9
	Compost	Bio fertilization		10
	Compost tea	Animal fertilizers (animal waste)		11
	Preparing compost	The effect of organic fertilizers on the quality of plant yield		12
	Organic crop	Types of organic compounds found in organic matter and the method of their decomposition		13
	Healthy organic farms	Decomposition of organic matter		14
		General review of all topics		15

توقيع العميد

أ.د. راند ابراهيم خليل