

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Soil Science and
Water Resources
Stage: Second
Lecturer name: Dr. Bassim
A.Essa
Qualification: Ph.D.
Place of work: Coll. Of
Agriculture .

Course syllabus

Course Instructor	.Dr.Bassim A. Essa				
E-mail	Mobasim1582014@gmail.com				
Title	Vegetables Production				
Course Coordinator	First semester.				
Course Objective	Introducing students to the vegetable crops. Vegetables are also divided according to environmental factors, as well as according to the botanical division of these crops, and to identify some of the seed families that include vegetable crops.				
Course Description	the course included defining the areas for growing vegetable crops - knowing the environmental factors affecting the cultivation of vegetable crops such as temperature, light, gases and soil factors - soil acidity, soil salinity - soil texture - the processes of serving vegetable crops, irrigation and fertilization - defining the transplantation and acclimatization process - dividing vegetable crops according to their response to conditions Environmental - Botanical division of vegetable crops - Identification of some plant families to which vegetable crops belong - Winter vegetable crops - Cruciferous family - Lilaceaes family - Leguminous family - .Summer vegetable crops - Solanaceae family - Cucurbitaceae family				
Textbook	1-Vegetable Production (Part One, Part Two) Prof. Dr. Adnan Naser Matlub 2.- Prof. Dr. Ezzedine Sultan - Prof. Dr. Karim Salih Abdoul- 1980.				
External sources	Different articles from World Wide Web.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(15%)	(5%)		(60%)
General Notes					

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week	Date	Topics Covered	Practical Part	Notes
1	/2024 16/9	Introduction, definition of horticulture and some of the sciences related to this specialty, including the production of vegetable crops,	identification of agricultural facilities such as vegetable fields and green houses	
2	/2024 23/9	Environmental factors affecting vegetable crops Temperature: light, ,gases	preparing the soil for planting vegetable crops	
3	/2024 30/9	Soil factors affecting the success of growing vegetable crops: soil texture, acidity and salinity of the soil,	preparing the field soil for growing vegetables, dividing the field soil	
4	/2024 7/10	Vegetable crops service operations. ,Irrigation, irrigation methods	preparation of plantets for cultivation in the field	
5	/2024 14/10	Transplantation and acclimatization of vegetable crop .seedlings	Methods of reproduction of vegetable crops	
6	/2024 21/10	Botanical division of vegetable crops according to plant families, genera and varieties	Agricultural operations in green and plastic houses	
7	/2024 28/10	Plant families / winter vegetable crops - the Cruceferae family / appropriate environmental conditions, nutritional value, planting and harvesting dates	Cruceferae family / botanical description of crops belonging to this family, varieties, cultivation method and service operations	
8	/2024 4/11	study of vegetables belonging to the Alliaceae family - environmental conditions and nutritional value of these crops	Botanical description of Alliaceae family plants and pollination method	
9	/2024 11/11	Study of vegetables belonging to the legumenosae family - environmental conditions and nutritional value - and planting .dates for these crops	Study of the botanical description of crops of the legumenosae family, flowers and method of pollination	
10	/2024 18/11	Study of vegetable crops belonging to the umbilefera family. Environmental conditions - Nutritional value - Planting dates	Study the botanical description of Umbilefera family crops Flowers and pollination method - Varieties	
11	/2024	Summer vegetable crops -	Botanical description of Solanaceae family	

	25/11	Solanaceae family - Potatoes - Tuber dormancy - Transplantation - Planting dates	crops Cultivation method - Flowers and pollination – Varieties	
12	/2024 2/12	Solanaceae family / Tomato - Environmental conditions - Nutritional value - Plant breeding methods - Cultivation dates in Iraq	Botanical description of the tomato crop - Methods of cultivation in greenhouses Limited and unlimited varieties	
13	/2024 9/12	cucurbitaceae-family crops / nutritional value - suitable environmental conditions - cultivation methods	Botanical description of the cucurbitaceae family crops - the nature of flowering - the nature of pollination in these plants	
14	/2024 16/12			

Instructor's signature
Dr. Bassim A.Essa

Dean's signature
Prof. Dr.Raaed Ibrahim Khalil