

Course Weekly Outline

Course Instructor	Dr. Adnan Ghazi Salman				
E_mail	adnanghazi@uodiyala.edu.iq				
Title	Vegetable plants production				
Course Number	one				
Credits:	3				
Lectures Houres:	2				
Practical Hours:	2				
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				
Prequests	Principles of Horticulture				
Textbook References	Vegetable Production (Part One, Part Two) Prof. Dr. Adnan Naser Matlub - Prof. Dr. Ezzedine Sultan - Prof. Dr. Karim Salih Abdoul- 1980				
Course Assessment	The first quarterly test	The second quarterly test	Final exam.		Final grade
			Teoretical	Practical	
	20	20	40	20	100

Course weekly Outline

week	Date	Topics Covered	Practical Part
1		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		Environmental factors affecting vegetable crops Temperature: light, gases,	preparing the soil for planting vegetable crops
3		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		Vegetable crops service operations. Irrigation, irrigation methods,	preparation of plantlets for cultivation in the field
5		Transplantation and acclimatization of vegetable crop seedlings.	Methods of reproduction of vegetable crops
6		Botanical division of vegetable crops according to plant families, genera and varieties	Agricultural operations in green and plastic houses
7		Plant families / winter vegetable crops - the Cruciferae family / appropriate environmental conditions, nutritional value, planting and harvesting dates	Cruciferae family / botanical description of crops belonging to this family, varieties, cultivation method and service operations
8		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		Study of vegetables belonging to the leguminosae family - environmental conditions and nutritional value - and planting dates for these crops.	Study of the botanical description of crops of the leguminosae family, flowers and method of pollination
10		Study of vegetable crops belonging to the umbilifera family. Environmental conditions - Nutritional value - Planting dates	. Study the botanical description of Umbilifera family crops Flowers and pollination method - Varieties
11		Summer vegetable crops - Solanaceae family - Potatoes - Tuber dormancy - Transplantation - Planting dates	Botanical description of Solanaceae family crops Cultivation method - Flowers and pollination – Varieties
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		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

Instructor Signature:

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