



University: Diyala
College: Agriculture
Department: Horticulture and Landscape
Stage: 2
Lecturer name: Aziz Mahdi Abed
Academic Status: prof. assistent
Qualification : : Doctor
Place of work: College Agriculture

Course Weekly Outline

Course Instructor	Aziz Mahdi Abed						
E_mail	azizmabd@uodiyala.edu.iq						
Title	Breeding horticultural plants						
Course Coordinator	Chapter II \ Phase III						
Course Objective	Student's education and training on the most important scientific methods to .develop and improve horticultural crop varieties						
Course Description	Recognition Systems in plant breeding - infertility and incompatibility -anwaa and power hybrid genetic -adoption act and improve self-horticultural crops and humoral vaccination and Propagated .And improvement of the tensile strength and environmental pests						
Textbook	Horticultural plant breeding to Dr. Ahmed Abu Zeid mind						
References	Genetic improvement of fruit and Alkhaddarelcanuto Khaled Al-Mohammad and others .Plant Breeding and Genetics in Horticulture.Dr. C.North						
Course Assessment	The first monthly test (theoretical)	The second monthly test (theoretical)	The first monthly test (practical)	The second monthly (practical)	Final examination		Final grade
					theoretical	Practical	
	14	14	6	6	40	60	100
General Notes	Degrees of classroom activities and given attendance and scientific reports from within the degrees of the monthly theoretical and practical tests.						

**Republic of Iraq
The Ministry of Higher
Education & Scientific
Research**



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		Topics Covered	Assignments	
1		Introduction to the science of evolution Methods plant breeding science and its related specifications .and successful plant breeders	Identify the tools used in plant breeding experiments	

2		.Reproduction systems in the plant	Life for flowering plants, horticultural	
3		.Male infertility and types	Methods of control in the self-pollination	
4		Lack of sexual self-compatibility and situations and means to overcome them	Methods of insulation between plants through breeding programs	
5		Genetic variations and their relation to breeding and improving the plant	Methods of castration in self-pollinated plants and humoral	
6		Inheriting qualitative and quantitative traits and genetic equivalent and some estimate genetic parameters	Lack of sexual self-compatibility and means to overcome it	
7		Gene duplication and the strength of the hybrid internal and horticultural plant breeding	Divide the plants according to the nature and appreciation rate of vaccination	
8		Genetic improvement of self-pollinated plants	Mutations and their role in horticultural crop breeding	
9		Cannot detect language. Please choose it manually	The most important uses of replication in improving crops Bustnbh	
10		Genetic improvement of plants humoral Vaccination	The goals and methods of breeding and improving the family Solanaceae plants - tomatoes, eggplant	
11		Complement the genetic improvement of plants humoral Pollination	The goals and methods of breeding and improvement of Cucurbitaceae family - and pumpkins option	
12		Methods of breeding crops .Propagated	Tarbah goals and methods and improve family Alqraeih-sophistication and watermelon	
13		Genetic improvement of plants through genetic engineering	Breeding aims and methods improve family Alnrjsuh- onion family and pretzels - okra	
14		Breeding and genetic improvement using mutations	The aims and methods of breeding and improvement of pomegranate	
15		Breeding and genetic improvement to withstand pests and environmental tensile	Mutation aims and methods improve the vines	

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Instructor Signature: