



Course Weekly Outline

Course Instructor	Aziz Mahdi Abed						
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Title	Genetic Plants Horticultural						
Course Coordinator	The first chapter \ Stage II						
Course Objective	Student teach what and how the genetic material replicated and transmitted across generations and transfer of genetic traits of living organisms						
Course Description	Article components genetics Al Mendel - gene interaction - genetics and sex - genetics and heredity mutations						
Textbook	Fundamentals in the genetics of Dr. Adnan Mohammed Hassan Athari						
References	Quantitative genetics to Dr. Ahmed Abdel-Moneim , plant genetics (practical part) Ghassan Ayash and others						
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.						



Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Introduction to the history and evolution of genetics	Identify the materials used in genetic studies and laboratory devices used in genetic experiments	
2		Alsaitologi basis of Mendelian inheritance (cell cycle and division maitoses)	Mendelian genetics (Mendel (exercises on the first law	
3		Alsaitologi supplement the foundation of Mendelian inheritance (maioses division)	Mendelian genetics (Mendel (exercises on the second law)	
4		Mendelian genetics (isolation Act	Box applications Kay (Kay Square) Genetic	
5		Mendelian genetics (free distribution law)	Install necessary to study Alanksamin filamentous and equitable and coded material	
6		The interaction between genes and . cases of excellence	Determine the continuation of the cell cycle phases and phases split filamentous	
7		ISA Q chemotherapy Article genetics and DNA building	Methods to count the number and the study of chromosomal (karyotype (Alchriutayb	
8		Supplement the chemical basis of genetic material (DNA and repeat the .(reproduction and translation	Microscopic method for measuring the lengths of chromosomes	
9		Inheriting multiple alleles	Detection of DNA and RNA	
10		Cannot detect language. Please choose it manually	Estimate Anbatih and life ability to pollen	
11		Link, transit fee and genetic maps	Mutations: achah And structural changes of chromosomes	
12		Environmental impacts (peripheral) and gene expression	Mutations Chemical - mutagens and chromosomal alterations - -	
13		Genetic mutations	Study the effect of cooling on the chromosomes	
14		Quantitative genetics	Uses colchicine mutations in events	
15		Inheriting peopulation	Supplement uses of colchicine in the events of mutations	

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