Republic of Iraq

The Ministry of Higher Education

& Scientific Research

بسم الله الرحمن الرحيم

University: Diyala
College: Agriculture
Department: Field crops
Stage: three
Lecturer name: Dania Salman Qahraman
Qualification: ph.D
Place of work: Coll. Of Agriculture

Flow up of implementation celli pass

Course Instructor	Dania Salman Qahraman				
E-mail	daniasalman@uodiyala.edu.iq				
Title	General genetics				
Course Coordinator	2				
Course Objective	Identify the importance of genetics, cell division, Medndelian Inherit,Chromosome structure of, and Chromosomal abnormalities				
Course Description					
Textbook	Crop Science Society Of America Library Genesis The field crops _ principles and a practice. Agronomy journal Fundamentals of Weed Science. Spencer & Cummings , Clug (2014, 2006). Genetics Concepts				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final
	35%	15%	10%		40%
General Notes					

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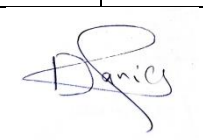
week	Date	Topics Covered	Practical Part
1	2024/2/11	Introduction to the history and development of genetics.	Familiarity with the history and development of genetic sciences
2	2024/2/18	Cytological basis of Mendelian inheritance (cell cycle and mitosis.)	Identify the cell cycle and the process of mitosis
3	2024/2/25	Complementing the cytological basis of Mendelian inheritance (meiotic division).	Identify meiotic cell division
4	2024/3/3	Mendelian inheritance (law of isolation).	Identify the law of isolation according to Mendelian inheritance
5	2024/3/10	Mendelian inheritance (law of free distribution).	Identify the law of free distribution according to Mendelian inheritance
6	2024/3/17	Semester 1st exam	
7	2024/3/24	Interaction between genes and superiority states.	The student learns the relationship between genes
8	2024/3/31	The chemical basis of heredity and the construction of DNA.	The student learns what genetic material consists of and how it is replicated and transmitted to the following generations
9	2024/4/7	Complementing the chemical basis of genetic material (DNA replication, cloning, and translation).	The student learns how to replicate genetic material and pass it on to the following generations
10	2024/4/14	Inheritance of multiple alleles.	The student learns what multiple alleles are and their effect on genetic variation
11	2024/4/21	Sex determination systems and sex-linked genetics	The student will learn about the relationship between

			heredity and the transmission of sex characteristics to generations
12	2024/4/28	Linkage, crossing and genetic mapping.	The student learns what is linkage, crossing, and genetic mapping
13	2024/5/5	Environmental (environmental) influences and gene expression.	The student will know how the environment affects the expression of genes.
14	2024/5/12	Semester 2nd exam	



Instructor Signature
Dr. Dania Salman Qahraman
15/1/2025

Dean Signature
Prof. Dr. Raaed Ibrahim Khalil
15/1/2025