

Course Description Form

1. Course Name	
Genetics	
2. Course Code	
VEH2106	
3. Semester / Year	
First semester / Second stage	
4. Description Preparation Date	
1/2/2024	
5. Available Attendance Forms	
Second stage	
6. Number of Credit Hours (Total) / Number of Units (Total)	
3 0 hours / 2 unit	
7. Course administrator's name (mention all, if more than one name)	
Name: Assist .Prof. Dr. Marwan Hatem Abdullah Email: marwan_hatem@uokirkuk.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> 1 - Introducing students to the field of veterinary medicine in the community 2 - Enabling students to take a course in protecting society from genetic diseases 3 - Develop the student's own abilities to expand the course's awareness in the field of genetics, which is an essential part of the components of human health
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> 1- The traditional recitation method 2- Team learning team project 3- A workshop to develop students' skills, work shop 4- Application learning

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2		Genetics history and its theories	Theoretical	
2	2		The cell and chromosome behavior	Theoretical	
3	2		Mendelian inheritance and its modification	Theoretical	
4	2		Genetics and statistics in pedigree analysis	Theoretical	
5	2		Genes interaction	Theoretical	
6	2		Multiple alleles and pseudoalleles	Theoretical	
7	2		Sex determination and inheritance related to sex	Theoretical	
8	2		Linkage, crossing over and genetic map	Theoretical	
9	2		Chromosomal mutations	Theoretical	
10	2		The chemical and engineering basis of heredity	Theoretical	
11	2		Gene frequency and factors affecting it	Theoretical	
12	2		Resemblance between relatives	Theoretical	
13	2		Selection	Theoretical	
14	2		Methods of mating	Theoretical	
15	2		Exam	Theoretical	
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reportsetc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)			Introduction to Veterinary Genetics Frank W. Nicholas ²⁰¹³		
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites			https://ghr.nlm.nih.gov/		