Course Description Form

1. Course N	ame:							
Molecular Gene		2004 BVVV						
2. Course C	ode:							
MOGE462			State					
3. Semester	/ Yea	ır:						
2024/2023				1				
4. Descripti	ion Pr	epa	ration Date:				designation -	
2024 / 2 / 1								
5. Available	Atten	dar	nce Forms:					
In Classr						The second second second	Maria Vandaria Carrego a successiva de successiva de successiva de successiva de successiva de successiva de s	
6. Number of	of Cree	dit l	Hours (Total) / N	Number	of Units	(Total)		
(3 unit) (4	15 hou	m)						
(3 unit) (+3 110u	11)						
7. Course	admin	istr	ator's name (m	nention	all, if me	ore than one	e name)	
			hammed Subhi				•	
Email: dı	raltwe	1@	<u>uomosul.edu.iq</u>					
8. Course C	bjectiv	ves						
Course Objectives					1-Familiarity with genetic material 2-The nature of the formation of DNA and I			
)		No. anna Landon				g on DNA isolatio		
9. Teaching	and L	.eai	rning Strategies					
0.0			1- Education strategy collaborative concept planning.					
			- Brainstorming education strategy.					
		3-	Education Stra	tegy No	tes Serie	es		
10 0 0								
10. Course Str		Total Control						
Week	Hours		Required			Learning	Evaluation	
			Learning	name		method	method	
			Outcomes					
The first	3Theoretical		Introduction to molecular genetics Identify cells and their types	The cell and its components		In class and Use the Google Classroom website	Exams, reports, discussions, quizzes	
The second	d 3Theoretical		Familiarity with cell division methods	Cellular division		In class and Use the Google Classroom website	Exams, reports, discussions, quizzes	

The third	3Theoretical	What is genetic material?	Genetic material		In class and Use the Google Classroom website	Exams, reports, discussions, quizzes
The fourth	3Theoretical	How genetic material is replicated	genetic material is replicated		In class and Use the Google Classroom website	Exams, reports, discussions, quizzes
Fifth	3Theoretical	Chemical components of genetic material	Chemical composition of genetic material		In class and Use the Google Classroom website	Exams, reports, discussions, quizzes
VI	3Theoretical	Identify the genetic code	Genetic code		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Seventh	3Theoretical	Familiarity with the chemical structure of the chromosome	Chemical structure of the chromosome		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
VIII	3Theoretical	Inference about gene expression and protein synthesis	Gene expression and protein synthesis		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Ninth	3Theoretical	How gene expression is regulated in prokaryotes and eukaryotes	Regulation of gene expression in prokaryotes and eukaryotes		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
The tenth	3Theoretical	Identifying genetic material outside chromosomes	Genetic material outside the chromosomes		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Eleventh	3Theoretical	Identification of DNA in mitochondria	DNA in mitochondria		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Twelveth	3Theoretical	How to obtain chloroplast and cytoplasmic genetics	Chloroplast and cytoplasmic genetics		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Thirteenth	3Theoretical	Familiarity with genetic transfer	Genetic transfer		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
fourteenth	3Theoretical	Learn about ways to diagnose genes	Molecular methods in genetic diagnosis		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
Fifteenth	3Theoretical	Learn about the applications of genetic engineering	Applications genetic engineering		In class and Use the Google Classroom website	Exams, reports discussions, quizzes
11. Course E		of 100 according	to the	tasks assig	ned to the st	ıdent such a
daily preparation	n, daily oral	, monthly, or writt		_		
Required textbook		STATES OF THE STATES OF THE	1975		Complete Street	
Main references (. Jooks, it dily)	Molecular genetics and applications				

journals, reports)	
Electronic References, Websites	

Subject teacher

Prof.Dr.Mohammed Subhi Mostufa

Head of scientific committee
Weam Yahya Rashid

Head of department Maysar Muhammad Aziz