

Course Description Form

1. Course Name : Biology 2	
2. Course Code: VED1106	
3. Semester / Year : Second semester , First year	
4. Description Preparation Date : 7/2/2024	
5. Available Attendance Forms:	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours , 3 Unite	
7. Course administrator's name (mention all, if more than one name)	
Name : Assist Prof. D. Thikra mostafa Email : Name : Assest pro.D. Selda Saeed Yaseen Email: seldabakar33@uokirkuk.edu.iq	
8. Course Objectives	
Course Objectives	1- Teaching the student the concept of biology and its general principles . 2-Knowledge, understanding and comprehension of the scientific subject curriculum 3- To classify the theoretical and practical needs for developing learning and teaching in a manner appropriate to the scientific material 4-Identifying the genetic material in the organism's body and its types 5- Identify the structural unit in the body of a living organism, its components, and the types of tissues that make up the animal's body.
9. Teaching and Learning Strategies	
Strategy	1- Enabling the student to think according to his ability let's think about thinking ability. 2- Make the student know when, what and how he should think in order to improve his self-abilities. 3- Critical thinking strategy in learning symbolizes the highest levels of thinking Which aims to present a problem in order to analyze it logically and properly to reach the desired solution .

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Living organism	Biology 2	(2 hours)Theory (2 hours) Lab	
2	4	Comparison between prokaryote and Eukaryote cells		(2 hours)Theory (2 hours) Lab	
3	4	Mitosis		(2 hours)Theory (2 hours) Lab	
4	4	Meiosis		(2 hours)Theory (2 hours) Lab	
5	4	Type of Living Tissue 1		(2 hours)Theory (2 hours) Lab	
6	4	Type of Living Tissue 2		(2 hours)Theory (2 hours) Lab	
7	4	Stem cells		(2 hours)Theory (2 hours) Lab	
8	4	Mid-term exam .		(Theory 27) + (13 practical)	
9	4	Blood Composition and Function		(2 hours) Theory (2 hours) Lab	
10	4	General Characters of Bacteria		(2 hours)Theory (2 hours) Lab	
11	4	General Characters of Viruses		(2 hours)Theory (2 hours) Lab	
12	4	Introduction to molecular Biology		(2 hours)Theory (2 hours) Lab	
13	4	Nucleic acid type and functions		(2 hours)Theory (2 hours) Lab	
14	4	Gene and Chromosomes		(2 hours)Theory (2 hours) Lab	
15	4	Genetic Engineering		(2 hours)Theory (2 hours) Lab	
		Final Term Exam		(40 theory+20 practical)	
11. Course Evaluation					
<p>Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc . It includes (27) theoretical and (13) practical exams, and the final exam is (40) theoretical + (20) practical .</p>					

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	-
Main references (sources)	Quinn, P.J., M.E. Carter, B.K. Markey and G.R. Carter. 2011. Veterinary biology and Microbial Disease , John Wiley & Sons, UK , Jawetz 2021 , Prescott 2020.
Recommended books and references (scientific journals, reports...)	- Jawetz, E. 2010. Medical Microbiology, 25th Ed. Prentice Hall Ltd. London. - Jawetz, E. 2013. Medical Microbiology, 26th Ed. Prentice Hall Ltd. London.
Electronic References, Websites	