

Republic of Iraq

**The Ministry Of Higher Education
& Scientific Research**

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Animal Production

Stage: Third

Lecturer name : Raaed I. Khalil

Qualification: Ph.D.

Place of work :College Of Agriculture

Flow up of implementation celli pass play

Course Instructor	Prof.Dr. Raaed Ibrahim Khalil				
E-mail	raaedibrahim@uodiyala.edu.iq				
Title	Animal physiology				
Course Coordinator	First semester				
Course Objective	Introducing students to the physiological mechanisms of body system				
Course Description	To identify the Structure , Function & Properties of Cell, Nervous System , Endocrine system ,Blood , Digestive system, Urinary System, Respiratory system and Muscle physiology				
Textbook	Animal Physiology				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%		60%
General Notes					

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week	Data	Topics Covered	Practical Part
1	1 st week	Introduction of Physiology , Homeostatic mechanisms, Cell , Function of Organelles	Laboratory tools ,Laboratory safety
2	2 nd week	Cell membrane Structure ,Function ,Movement of substances across the membranes ,Metabolic mill	Methods of Blood Collection
3	3 rd week	Structure of neuron, Nerve Impulse, Action potential, Central Nervous System	Hematocrit measurement (PCV)
4	4 th week	Introduction of Endocrinology , Hormones, Nature of Hormones	Hb measurement
5	5 th week	Function of Pituitary , Thyroid , Adrenal and Pancreatic gland.	Hemocytometer
6	Semester 1 st exam		
7	7 th week	Blood ,Structure , Function, Properties	RBC(Erythrocytes) count
8	8 th week	Blood Coagulation, Lymph , Cerebrospinal fluid	WBC(Leucocytes) count
9	9 th week	Digestive system ,Structure ,Function	WBC Differential count
10	10 th week	Urinary System, Structure	Measurement of respiratory and pulse rate
11	4 th week	Function of Urinary System , Urine Formation	Measurement of MCH,MCHC,MCV
12	Semester 2 nd exam		
13	13 th week	Respiratory system ,Alveolar ventilation, Diaphragm & thoracic muscles , Alveolar ventilation	Blood Serum Preparation
14	14 th week	Muscle physiology	Spectrophotometer
15			

Prof. Dr. Raaed Ibrahim Khalil
Instructor Signature:
15/1/2025

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Dean Signature:
15/1/2025