

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: Ali S. Ahmed
Qualification: Ph. D.
Place of work: College. Of Agriculture

Flow up of implementation celli pass play

Course Instructor	Ali Shehab Ahmed				
E-mail	alishahab@uodiyala.edu.iq				
Title	Reproductive physiology				
Course Coordinator	Second semester/ 2024-2025				
Course Objective	Knowledge kinds Male and Female reproductive system of Animal and reproductive				
Course Description	Knowledge kinds Male and Female reproductive system: Anatomy , function , Spermatogenesis, Oogenesis Hormones Endocrine glands, Hypothalamus ,and Pituitary gland				
Textbook	Reproductive Physiology of Farm Animal (Mohammed A. Ishak , Hobi. Abed –Al-Kareem)-Ministry of higher education and scientific research.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%		60%
General Notes					

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week	Date	Topics Covered	Practical Part
1	1 st week	Male reproductive system Anatomy and functions in calves.	Explanation and application of semen examinations
2	2 nd week	The process of sperm formation in calves.	Explain the work of diluents used in diluting semen
3	3 rd week	The female reproductive system, its anatomy and functions in calves.	Explanation and application of cryopreservation of semen
4	4 th week	The process of egg formation in cows.	Artificial insemination in cows and the process of pregnancy screening
5	5 th week	Hormones regulating the reproduction.	artificial insemination in sheep
6	6 th week	Semester 1 st exam	
7	7 th week	Endocrine glands, hypothalamus, pituitary gland.	In vitro fertilization IVF
8	8 th week	Puberty and Sexual maturity.	Embryo transfer ET
9	9 th week	Reproductive cycle.	Biological reproduction
10	10 th week	Gamete production and Transmission .	Explanation and Application of Cryopreservation of semen
11	11 th week	Fertilization, Pregnancy and Childbirth.	Artificial insemination in goats
12	12 th week	Semester 2 nd exam	
13	13 th week	Male reproductive system in sheep.	Pregnancy screening process in sheep and goats
14	14 th week	The process of spermatogenesis in sheep	Practical anatomy of the male reproductive system
15	15 th week	The female reproductive system in ewes	Saved semen

Instructor Signature:
Prof. Dr. Ali Shehab Ahmed
15/1/2025

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