

بسم الله الرحمن الرحيم

Republic of Iraq

The Ministry of Higher  
Education

& Scientific Research



University: Diyala

College: Agriculture

Department: Animal Production

Stage: Forth

Lecturer name: Mohammed A. Shwayel

Academic Status: profesier

Qualification: Ph.D.

Place of work: Colle. of Agriculture

## Flow up of implementation celli pass play

Course Instructor	Mohammed Ahmed Shwayel				
E-mail	<a href="mailto:mohammedshwayel@uodiyala.edu.iq">mohammedshwayel@uodiyala.edu.iq</a>				
Title	Buffalo Production				
Course Coordinator	First course – Autumn				
Course Objective	Introducing the student to the benefits of raising buffalo, buffalo breeds, reproductive efficiency, nutrition, ration formation, care of buffalo calves, components of buffalo milk, as well as the genetic and environmental factors affecting milk production and all .factors related to management				
Course Description	1- Study Characters phenotype and genotype for Buffalo Breed and compared with him. 2- Buffalo production in Iraq and how to improvement 3- Rearing Buffalo and calf and how management farm 4- Reproduction in Buffalo 5- Nutrition in Buffalo 6- Buffalo breeding Health Rearing for Buffalo and Disease 7-				
Textbook	1- Cattle Production. PhD. Natick alkydsi and Ashwaq abd and Jeal ilia . 2012. 2- Rearing and Breeding Buffalo. PhD. Adel albarbary .2007. 3- Index for Breeding Buffalo and Cow. PhD. Mustafa fais. 2013 4- Internet				
Course Assessments	Term Tests	Practical	Quizzes	Project	Final Exam
	%40	–	%10	-	%50

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Notes	Practical material	Theoretical material	date	Week
	There is no practical material for the material	History of buffalo, its numbers and classification	1 <sup>st</sup> week	1
	-	Buffalo breeds and genetic and general differences between them	2 <sup>nd</sup> week	2
	-	Buffalo reproduction	3 <sup>rd</sup> week	3
	-	Insemination, pregnancy and birth in buffalo	4 <sup>th</sup> week	4
	-	Buffalo calf rearing and care	5 <sup>th</sup> week	5
	-	Buffalo nutrition	6 <sup>th</sup> week	6
	-	Differences in buffalo rumen compared to cows	7 <sup>th</sup> week	7
	-	First exam	8 <sup>th</sup> week	8
	-	Buffalo milk production and factors affecting it	9 <sup>th</sup> week	9
	-	Components of buffalo milk and factors affecting it	10 <sup>th</sup> week	10
	-	Meat production in buffalo and carcass characteristics	11 <sup>th</sup> week	11
	-	Buffalo calf fattening systems	12 <sup>th</sup> week	12
	-	Health care and the most common diseases in buffalo	13 <sup>th</sup> week	13
	-	Buffalo rearing in Iraq and ways to improve it	14 <sup>th</sup> week	14
	-	Second exam	15 <sup>th</sup> week	15

Instructor's signature  
Prof. Dr. Mohammed A. Shwayel  
15/1/2025

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