

Course description form

1.	: Course name
Milk cow production	
2.	Course Code:
DACP436	
3.	Semester/Year:
Semester (Spring Semester)	
4.	Date this description was prepared:
1/2/2024	
5.	Available forms of attendance:
in person	
6.	Number of study hours (total) / number of units (total):
hours (2 theoretical + 3 practical) * 15 weeks 75	
7.	Name of the course administrator
<p>M. Nadia Muhammad Bashir (theoretical teacher) M.M. Muhammad Abdel-Ilah (practical teacher)</p>	
<p>A- Cognitive objectives</p> <p>A1- One of the most important goals of the program is to know the most important processes performed on milk</p> <p>A2 - Preparing all requirements for establishing livestock projects by providing him with information related to the implementation of these projects and their administrative and nutritional .organization. Physiologically and economically</p> <p>A3 - Exploiting the different productive capabilities of animals and their interaction with appropriate feed materials to achieve an optimal production level, advance livestock for the better, and meet the market needs as much as possible for livestock products, especially milk, for which there is an increasing demand.</p>	
<p>B - The skills objectives of the course.</p> <p>B1 - Identify and learn about different animals and the most famous breeds in milk production worldwide.</p> <p>B2 - Knowing the requirements necessary for any type of production and the ideal conditions that suit those animals.</p> <p>B3 - Field operations necessary for farm animals.</p>	
8.	Teaching and learning strategies
<p>1- Theoretical lectures (audio, visual, computer-based presentation)</p> <p>2- Practical lessons. (The student participates in field operations in the college field)</p> <p>3- Field visits and observing the most important daily field operations that can be performed .on animals</p> <p>4- .Search the internet</p>	

9. Course structure					
Evaluation method	Learning method	Required learning outcomes	the unit or topic	hours	the week
Short exams, assignments, discussions.	Theoretical: audio methods, And visual Brainstorming Direct dialogue Practical: Write a report on College field	Theoretical: a1 The economic importance of dairy cattle. Production and consumption (high milk). Arab and local milk production and consumption. -Factors that led to increased milk production. -Factors that led to a decline in milk production in Iraq. -Advantages and disadvantages of raising cows the milk Practical: c4 A visit to the college fields	The student gets to know Local and global production and consumption	2Theoretical 3 practical	First
Short exams, assignments, discussions.	Theoretical: audio methods, And visual brainstorming style Direct dialogue Practical: describe parts Milk animal body report	Theoretical: a2 Characteristics and advantages of types of dairy cattle Origin of livestock. Types of purebred dairy cattle. Dual-purpose cattle. Livestock in the Arab world. Iraqi livestock Practical: c5 Milk animal model	Recognize and distinguish types Global dairy cattle And local	2Theoretical 3Practical 1	Second
Short exams, assignments, discussions.	audio methods, Writing style on Chalkboard style Direct dialogue Practical: Learn about the most important objecti	Theoretical: a3 Methods of caring for and feeding livestock a To care for pregnancy and dry periods.	Identify and explain to the student Methods of care and feeding Livestock	2Theoretical 3Practical 1	Third

	of arbitration and the tools used	Birth and care of newborn calves and cows. Practical: c5 Livestock arbitration			
Short exams, assignments, discussions.	Auditory method And visual Writing style on Chalkboard style Direct dialogue Practical: Write a report On the importance of exhibitions	Theoretical: c1 Physiology and structure of the digestive system. - The mechanism of work of the digestive system Practical: a11 Exhibitions and their importance	The student recalls digestive system in Livestock	2Theoretical 3Practical 1	Fourth
Short exams, assignments, discussions.	Theoretical: Audio-visual methods Writing style on Chalkboard style Direct dialogue Practical: participates in Animal numbering process In the field, field practice	Theoretical: A4 Breastfeeding methods Methods of artificial feeding Weaning methods Practical: c6 Numbering and its methods	Feeding suckling calves	2Theoretical 3Practical 1	Fifth
Short exams, assignments, discussions.	Theoretical: audio methods, Writing style on Chalkboard style Direct dialogue Practical: attempt to estimate age in animals field in a practical way, Field practice Self-education	Theoretical: A5 Milk composition Factors affecting milk production Properties of milk Practical: d1 Estimate age	The student remembers and enumerates Factors affecting Milk production	2Theoretical 3Practical 1	Sixth

Short exams, assignments, discussions.	Theoretical: audio methods, Writing style on Chalkboard style Direct dialogue Practical: particip in Animal milking In a practical way Self-learning practice Field	Theoretical: A6 Shape and physiology of the udder Practical: A12 Milking methods	The student remembers parts Installation and physiology of the udder	2Theoret ical 3Practica 1	Seventh
Short exams, assignments, discussions.	Theoretical: audio methods, Writing style on Chalkboard style Direct dialogue Practical: Write a report on Udder installation	Theoretical: c2 Factors affecting milk production Practical: c7 Installation and physiology of the udder	Milk secretion	2Theoret ical 3Practica 1	Eighth
Short exams, assignments, discussions.	Theoretical: Auditory method And visual Writing style on Chalkboard style Direct dialogue Practical: Views and views the records in the field Field practice Self-education	Theoretical: A7 Adjust the milk to 4% fat Laws for adjusting the milk season Laws of perseverance calculation Practical: a13 Records	milk period (calculations)	2Theoret ical 3Practica 1	Ninth
Short exams, assignments, discussions.	Theoretical: audio methods, Writing style on Chalkboard style Direct dialogue Practical: Watch and write a report	Theoretical: b1 Laws for calculating fertility rates Practical: d2 Animal habitats	Reproductive efficiency And fertility	2Theoret ical 3Practica 1	Tenth

	About housing in the field				
Short exams, assignments, discussions.	:Theoretical Auditory method And visual Writing style on Chalkboard style Direct dialogue :Practical Participates in operations Field by field, field practice	Theoretical: A8 Anatomy of the reproductive organs Practical: c8 Daily operations on the farm	Reproductive organs in Cows	2Theoretical 3Practical	Eleven
Short exams, assignments, discussions.	:Theoretical ,audio methods Writing style on Chalkboard style Direct dialogue :Practical Learn about ways to establish a herd	Theoretical: A9 Health care for vaccination bulls Practical: d3 Establishing the herd	Factors affecting fertility in theran	2Theoretical 3Practical	Twelfth
Short exams, assignments, discussions.	:Theoretical ,audio methods Writing style on Chalkboard style Direct dialogue :Practical Knows the roads The process of estimating the percentage of fat	Theoretical: a10 Methods of pregnancy screening and embryo transfer Practical: a14 Calculations for estimating the percentage of fat and adjusting jewelry b	Pregnancy examination in cows	2Theoretical 3Practical	Thirteen
Discussions and dialogue	:Theoretical ,audio methods Writing style on Chalkboard style Direct dialogue :Practical It solves some issues related to milk season	Theoretical: c3 The origin and production of buffalo Buffalo care and feeding Practical: A15 Calculations to evaluate reproductive efficiency	Economic importance For buffalo	2Theoretical 3Practical	Fourteen
He writes a report about what he saw		A scientific trip to one of the animal production fields			Fifteen

during the visit					
10. Course evaluation					
Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc					
	Relative % weight	Class	Calendar date (week)	Calendar methods	T
	%13	7 theoretical + 1 6 practical	My theory for a week (15) My work week (15)	A theoretical final report + a final report on the subject the operation	1
	%6	4 Theoretic + al 2Practic al	week (3)	Quiz Short test (1)	2
	%15	10 theoretical +1 5 practical	week (9)	Midterm test (theoretical and (practical	3
	%6	4Theoret + ical 2Practic al	week (12)	Quiz Short test (2)	4
	%20	20	Practical exams week	Final practical test	5
	%40	40	The week of theoretical exams	Final theoretical test	6
	%100	100		the total	
Milk cattle production 2010			Required textbooks (methodology, if any)		
			Main references (sources)		
Animal Science magazine			Recommended supporting books and references (scientific journals, reports....)		
Agricultural sites specialized in raising dairy cows			Electronic references, Internet sites		

M. Nadia Muhammad Bashir

School subject



Mallah-Omar Daaa Al .Prof. Dr

head of department

Prof .Dr . Muthanna Ahmed Muhmmad Tayyeb

Head of ofientific Committee