

A course describing agricultural extension

1. Course Name :	
Livestock production	
2. Course Code :	
CAPR129	
3. Semester / Year : Annual	
The second spring semester/first stage/2023-2024	
4. Date this description was prepared	
1/2/2024	
5. attendance Available forms of:	
My presence	
6. Number of study hours (total)/number of units (total):	
2theoretical hours / 3 practical hours (5 hours) / 3.5 units	
7. Name of the course administrator (if more than one name is mentioned)	
Teacher. Raghad Nabeel Daowd Assistant teacher .Mohamme .Mohammed Ryadd	
8. Course objectives	
<p>Theoretical</p> <ul style="list-style-type: none"> • Enabling the student to understand and comprehend what is related to livestock production and its relationship to improving and .increasing production • important breeds of milk, Enabling the student to know the most .purpose cattle-beef and dual • Enabling the student to become familiar with distinguishing breeds from each other through formal characteristics And .productivity • Enabling the student to judge the production of each breed .lyseparate • Conducting a scientific visit to farms and livestock breeding .projects to learn about breeding and production methods 	<p>Practical</p> <p>Enabling the student to learn about the most important field operations that occur in livestock , ‘ such as milking breastfeeding young calves, and other .operations</p>
9. Teaching and learning strategies	
<ul style="list-style-type: none"> - Theoretical - lecture Interactive 	

- Brainstorming
- Assigning tasks and reports
- Presentations of models of cattle breeds The different one.

Course structure .10

the week	hours	Required learning outcomes	Name of the unit or topic	Learning method	Evaluation method
1	2 Theoretical	A1 The student learns about the most important : obstacles to animal production and ways to improve . its productivity	The economic importance of livestock	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	A Sees and recognizes the field :	He sees and recognizes the field	Assigning tasks and reporting	
2	2 Theoretical	A2 The student learns about dairy cattle and their : . most important characteristics and features	Cattle breeds (location, types, original dairy cattle)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	--short exam. -Assignment of duty. -discussions
	3 practical	B6 The student sees and learns about field : operations	The student sees and learns about field operations (learning about field operations that take place in livestock fields)	Assigning tasks and reporting	
3	2 Theoretical	3A The student learns about beef cattle and their : . most important characteristics and advantages	Cattle breeds (beef cattle and their types, characteristics and advantages)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	--short exam. -Assignment of duty. -discussions
	3 practical	C6 :The student learns about the importance of herd management and how to deal with it	The student learns about the importance of herd management and how to deal with it (methods of herd management, its goals)	Assigning tasks and reporting	
4	2 Theoretical	4A The student distinguishes between African : . cattle and other types of livestock	Cattle breeds (African cattle, their characteristics and advantages).	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	--short exam. -Assignment of duty. -discussions
	3 practical	B7 The student learns about the milking process :	The student learns about the milking process (its objectives and importance)	Assigning tasks and reporting	
5	2 Theoretical	5A purpose cattle with -The student compares dual : Iraqi cattle and other cattle breeds	Cattle breeds (dual-purpose cattle and their types, characteristics and advantages)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	B8 The student learns about milking places :	The student learns about the milking places (number of sections of the milking places)	tasks and Assigning reporting	
6	2 Theore	B6 The student chooses good animals to establish : herds of sheep and goats	Establishing a flock of sheep and goats.	-Audio methods. -Style of writing on the	-short exam. -Assignment

	tical		(Types of sheep flocks The age gradation of the herd and the most important points that must be met to establish the herds.	blackboard. -Direct dialogue style	of duty. -discussions
	3 practical	B9 age in animals Estimated :	Estimating age in animals (methods used to estimate age)	Assigning tasks and reporting	
7	2 Theoretical	B2 The student explains how to detect puberty and : estrus in cows and the signs of birth in them	The reproductive system in cows (puberty, sexual maturity, estrus cycle, birth and its signs in cows)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	B10 breastfeeding Experiments with the process of : young calves	Experiments with the process of breastfeeding young calves (methods of artificial feeding of calves)	Assigning tasks and reporting	
8	2 Theoretical	C1 The student identifies the stages that the heifers : insemination and explains go through from birth to the methods of renewing the herd	Raising and caring for heifers (identifying herds, caring for newborns, and the stages that heifers go through from birth to insemination)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	A2 Recognizes animal pens :	Learn about animal pens (learn about the conditions that must be met when constructing pens)	Assigning tasks and reporting	
9	2 Theoretical	D1 The student uses primary feed materials in : formulating cow diets and methods of balancing them	Nutritional requirements of cows and their feed	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	C5 Sees and mentions the importance of records :	Sees and mentions the importance of records (their importance and types)	Assigning tasks and reporting	
10	2 Theoretical	A6 The student learns about the advantages of : buffalo and its most important breeds raising	Buffalo (characteristics and sections of buffalo and its most important breeds)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	A3 Identify and explain the types of feed materials : used in feeding animals	Identifies and explains the types of feed materials used in feeding animals (types of feed materials)	Assigning tasks and reporting	
11	2 Theoretical	C2 familiar with the reproductive The student is : characteristics of buffalo	Reproduction in buffalo (reproductive characteristics of buffalo)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	--short exam. -Assignment of duty. -discussions

	3 practical	A4 The student learns about pastures and grazing :	The student learns about pastures and grazing (types of natural pastures)	Assigning tasks and reporting	
12	2 Theoretical	A7 The student differentiates between different : according to their productivity breeds of sheep	Sheep breeds (Meat and wool sheep breeds)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	A5 agricultural Identify the reproductive systems of : animals	Recognizes the reproductive systems of agricultural animals (components of the reproductive system)	Assigning tasks and reporting	
13	2 Theoretical	A8 The student is familiar with the most important : specifications breeds of Iraqi sheep and their	Sheep breeds (milk sheep and Iraqi sheep breeds)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	B11 Learn about artificial insemination :	Learn about artificial insemination (the factors that led to the expansion of artificial insemination)	Assigning tasks and reporting	
14	2 Theoretical	A9 Explains the most important types of camels in : the world	Camels (location, numbers, and most important camel breeds)	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	B12 Solve mathematical operations to adjust the : milk season	Solve mathematical operations to adjust the milk season (mathematical operations to adjust the milk season)	Assigning tasks and reporting	
15	2 Theoretical	D2 Explains the methods of feeding camels and : producing meat and hair from them	Nutrition and production of meat and dander	-Audio methods. -Style of writing on the blackboard. -Direct dialogue style	-short exam. -Assignment of duty. -discussions
	3 practical	A6 Learn about field operations related to sheep :	Learn about field operations related to sheep (conditions that must be taken into account when shearing sheep's wool)	Assigning tasks and reporting	

11. Course evaluation

Calendar methods	Calendar date (week)	Class	% Relative weight
a report ultimate Theoretical + reports Experiments Practical	My theory week (15) My work week (15)	theoretical + 6 practical 7	%13

Short test (1) Quiz	week (3)	theoretical + 2 practical 4	%6
Midterm test (theoretical and practical)	week (9)	theoretical + 5 10 practical	%15
Short test (2) Quiz	week (12)	theoretical + 2 practical 4	%6
test Final practical	Final exam week	20	%20
Final theoretical test	Final exam week	40	%40
the total		100	%100

12. Learning and teaching resources

Required textbooks (methodology, if any)	Livestock production book
Main references (sources)	
Recommended supporting books and references (scientific journals, reports....)	. Lectures and books published in Iraqi universities
Electronic references, Internet sites	. Websites specialized in livestock production

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