Course Description Form

1.	2. Course Name:
	Forage Crops
3.	Course Code:
	FOCR359
5.	Semester / Year:
	The first course 2023-2024
7.	Description Preparation Date:
	2023/2/1 2 first semester (Autumn)
9.	. Available Attendance Forms:
	My presence
11.	. Number of Credit Hours (Total) / Number of Units (Total)
	Two hours my theory , Two hours of work
13.	. Course administrator's name (mention all, if more than one name)
	Name: DR .Salim abdulla salimalghazal@uomosul.edu.iq Name: Saddam Ibrahim alobaidi saddam.alobaidi omosul.edu.iq
15.	16. Course Objectives
	practical: Enabling the student to identify the most important pastoral plants The types of natural pastures and methods of protecting and appreciating them Its payload and exploitation Theoretical Enable understanding and assimilation of pasture management material Enabling the student to know the most important ways to protect natural pastures Enabling the student to become familiar with the most important types of natural pastures Enabling the student to detect and know the palatability of pasture plants The student can judge the quality of pasture plants
17.	18. Teaching and Learning Strategies
	Practical: Assigning group work to reveal leadership skills Assigning tasks and a report for each field visi -Theoretical Enable understanding and assimilation of pasture management material Enabling the student to know the most important ways to protect natural pastures Enabling the student to become familiar with the most important types of natural pastures Enabling the student to detect and know the palatability of pasture plants The student can judge the quality of pasture plants
19.	20. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	2 heoretica 3 ractical	a1 a6	Determines the positive and negative relationship of leguminous fodder crops and soils Compares samples of feed	Theoretical: The importance of fodder crops And its importance Practical: dividing fodder crops/Naceae family	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
2	2 heoretical 3 practical	a2 a7		theoretical: Alfalfa crop Practical botanical description For the Alfalfa crop	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
3	2 heoretica 3 practical	a3 a8	they remember their feed sources checks the types of toxins and their quantities in the feed	theoretical: The yield of ics (Bur clover is about practical: ics (Bur clover Botanical description of a crop around	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
4	2 heoretical	a4	it explains the most important factors affecting the	theoretical: Egyptian clover crop	Auditory methods Writing style On the board Dialogue style Direct	Short exams, assignments, discussions

	3 practical	a9	production of fodder crops and compares different types of fodder crops compares samples of feed contaminated with toxins	Practical: botanical description For the Egyptian clover crop	practical: Assigning tasks And report	
5	2 heoretical 3 practical	a5 a10	theoretical vetch crop practical: Identifies types of mold in feed	theoretical vetch crop practical: botanical description of the vetch crop	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
6	2 heoretical 3 practical	b1 b2	applies the ideas for cultivating traditional fodder crops, whether leguminous or leguminous Determine which feed samples are the most poisonous	theoretical clover crop sweet Practical: botanical description of sweet clover crop	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
7	2 heoretical 3 practical	c1 b3	t encourages the cultivation of the most important fodder crops from other families distinguishes between types of toxins and their quantities found in feed	Theore tical: corn Practical: botanical description For corn	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions

8	2 heoretical 3 practical	d1 b4	determines the most important streptococcal bacteria and their relationship to fodder crops and soil it carries out the cultivation of fodder crops	Heoretical : sorghum practical: botanical description	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
9	2 heoretical 3 practical	c2 b5	it distinguishes between the most important fodder crops that increase soil fertility applies different types of fertilizers	theoretical: sudanese grass practical: botanical description for sudanese grass	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
10	2 heoretical 3 practical	d2 b6	identifies the most important fodder crops that maintain soil maintenance he examines various samples of feed to determine their suitability for feeding the animal	Theoretical: fodder crops Winter Poaceae Practical: botanical description For winter fodder crops	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions

11	2 heoretical 3 practical	d3 c3	explains the most important pros and cons of fodder crops distinguish between different types of toxic substances in feed	theoretical: forage mixtures practical: methods of growing foerage mixtures	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
12	2 heoretical 3 practical	d4 c4	shows the extent of response to saline soils evaluates which samples are the most poisonous	Theoretical: HAY Practical: a way of working HAY	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
13	2 heoretical 3 practical	d5 c5	it shows the importance of fodder crops and their relationship to soil fertility suggests other methods for examining feed	Theoretical: silage Practical: How to make silage	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions
14	2 heoretical 3 practical	e1 e3	Aware of the toxins found in some fodder crops and their impact on animal health Decides the best fodder crops to grow	Theoretical: field visit For fodder crop fields My job: getting to know each other Fodder crops	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions

15	2 heoretical 3 practical	e2 e4	It emphasizes a suitable method of how fodder crops resist drought and can be applied in farmers' fields It expresses the presence of different types of salt-tolerant crops	Theoretical field visit For one of the feed factories And report on the uality Feed practical: Solve the problem	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions

21.	22. Course Evaluation			
Sequence	Calendar methods	Calendar date (week)	Class	Relative weight %
1	Report 1	fourth week	2.5	2.5
2	Report 2	fifth week	2.5	2.5
3	Short test (1) Quiz	sixth week	2	2
4	Short test (2) Quiz	fourteenth week	2	2
5	Short test (3) Quiz	fifteenth week	1	1
6	Semester test (1)	sixth week	7.5	7.5
7	Semester test (2)	eleventh week	7.5	7.5
8	Final theoretical test	Final semester exams	40	40
9	Practical field project	fifteenth week	5	5
10	Field evaluation	third and fifth week	2	2
11	Practical short test (1) Quiz	first week	1	1
12	Short practical test (2) Quiz	fourth week	0.5	0.5
13	Short practical test (3) Quiz	fourteenth week	1	1
14	Live drawings and homework	Weeks 6, 8, 9, 10, 11, 12 and 13	5.5	5.5
15	Final practical test	Final semester exams	20	20
	The total	100	100%	100%

23.	24. Learning and Teaching Resources	
	Required textbooks (curricular boo if any)	Fodder crops and pastures, Muhammad Sa Radwan and Abdullah Qasim Al-Fakhri
	Main references (sources)	
	Recommended books and references (scientific journals, reports...)	Cops and Forage Archives
	Electronic References, Websites	ICARDA, Arab Organization Agricultural Development

Theoretical subject teacher

Dr. Salem Abdullah Younis

Practical subjet

Saddam Ibrahim alobaidi

Head of the forage crop

Dr. Maysar Muhammad

Chairman of the Scientific Committee:

Dr. Weam Yahya Rasheed