

### Course Description Form

1.	2. Course Name:					
	Pasture management					
3.	4. Course Code:					
	PAMA433					
5.	6. Semester / Year:					
	2024/2025 second semester (spring)					
7.	8. Description Preparation Date:					
	2025 2-1					
9.	10. Available Attendance Forms:					
	My presence					
11.	12. Number of Credit Hours (Total) / Number of Units (Total)					
	Two hours my theory , Two hours of work					
13.	14. Course administrator's name (mention all, if more than one name)					
	Name: DR. salim abdulla Younis			Email: salimalghazal@uomosul.edu.iq		
	Name : Ahmed Majeed Abdullah			ahmed3079@uomosul.edu.iq		
15.	16. Course Objectives					
	<b>Practical:</b> 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			<b>Heoretical</b> 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					
	<b>Practical:</b> Assigning group work to reveal leadership skills Assigning tasks and a report for each field visit			theoretical Interactive lecture Brainstorming Dialogue and discussion Assigning tasks and reporting View examples of forage crop plants		
19.	20. Course Structure					
We ek	Hours		Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 heoretical 3 ractical	a1 a6	It uses special ideas in managing natural pastures and its relationship with other sciences	Theoretical: The importance of pastures  Practical botanical description For plants of the Poaceae 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	Identify the most important causes of pasture degradation  Determine which plants are more toxic	Theoretical: Types of pasture  Practical: botanical description For the leguminous family	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasks And report	Short exams, assignments, discussions



3	2 theoretical	a3	He compares the factors affecting the growth of pastures and compares these factors and their effect on plants.	Theoretical: Factors affecting NPT Pastures . Practical: technical methods of measurement Pastures grew .	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	a8	Differentiates between poisonous plants and others .			
4	2 theoretical	a4	It gives examples of the extent which pastures are vulnerable to degradation .	Theoretical: Grazing areas in Iraq . Practical: measuring quantitative traits .	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	a9	Classifies which types of plants are most suitable for growing pastures			
5	2 theoretical	a5	Finds ways to protect natural pastures and can be applied to the pastures of Nineveh Governorate .	Theoretical: Physiology of fodder plants part One . Practical: measuring qualitative characteristics .	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	a10	Identify the types of toxins in plants			
6	2 theoretical	b1	It carries out the most important steps to identify the most important leguminous plants common in natural pastures .	Theoretical : physiology of pasture plants These . Practical: grazing systems conditions	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	b3	Shows which plants are most susceptible to grazing.			
7	2 theoretical	b2	It implements the most important special recommendations in cultivating the most important common grass plants in natural pastures .	Theoretical: Animal management in pasture Practical: salting	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	b4	Determines the types and quantities of toxins found in pasture plants			
8	2 theoretical	c1	Distinguish between the most important factors through which pasture	Exploiting pasture	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	b5	germination can be improved Distinguish types of animals	Practical: Animal behavior, part one		
9	2 theoretical	c2	Selects the most important poisonous grazing plants found in .	Theoretical: pasture exploitation, part two Practical: methods for measuring exploitation Pasture	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	b6	Illustrates different types of plants to grow in pastures			
10	2 theoretical	d1	Identifies the most important harmful plants in natural pastures .	Theoretical trend of pasture condition	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	b7	He carries out various samples of pasture plants to determine their suitability for animal feed .	Practical: methods of measuring condition Pasture		
11	2 theoretical	d2	Explains some of the benefits of natural pastures	Theoretical: animal load	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
	3 practical	c3	Carrying out samples of pasture plants	Practical: Methods of measuring animal load		



12	2 heoretical 3 practical	d3 c4	It explains the extent to which humans benefit from pastures and the ways to benefit . from them Write a report on toxic and non-toxic plants	Theoretical: cladding Practical: cladding methods	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
13	2 heoretical 3 practical	d4 c5	Supports the protection and revitalization of pastures and methods for measuring their growth Distinguish between harmful and harmless plan	Theory: harmful plants Practical: getting to know each other Harmful plants in pastures	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
14	2 heoretical 3 practical	e1 d5	Recognizes the environmental biological risks that affect pasture safety Explain why some plants are declining pasture	A field visit to one of the pastures Natural Practical: identifying plants For natural pastures	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
15	2 heoretical 3 practical		He decides to use one of the methods to protect pastures Trying out some growing plan	Theoretical: A field visit to artificial pastures Practical: Solve a problem	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions

16	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				
	Required textbooks (curricular books, if any)		Fodder crops and pastures, Muhammad Sayed Radwan Abdullah Qasim Al-Fakhri		

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	Main references (sources)	
	Recommended books and references (scientific journals, reports...)	Cops and Forage Archives
	Electronic References, Websites	ICARDA, Arab Organization for Agricultural Development

Theoretical subject teacher  
Dr. Salim Abdullah Younis

Head of the for a  
Department:

**Dr. Maysar Muhammad**

Practical subject:

Ahmed Majeed Abdullah

Chairman of the Scientific Committee :

**Dr. weam yahya Rasheed**