Course Description Form

1.	2. Course Name:
	Pasture management
3.	4. Course Code:
	PAMA433
5.	6. Semester / Year:
	2023/2024 second semester (spring)
7.	8. Description Preparation Date:
	2024 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

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	**Heoretical** Enable understanding and assimilation of pasture management material Enabling the student to know the most important ways t 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 visit**	theoretical Interactive lecture Brainstorming Dialogue and discussion Assigning tasks and reporting View examples o forage crop 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	It uses special ideas in managir natural pastures and its relationship with other science	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 fam	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning t And report	Short exams, assignments, discussions

3	2 heoretica 3 practical	a3 a8	He compares the factors affecting the growth of pastures and compares these factors and their effect on plants. Differentiates between poisonous plants and others .	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
4	2 heoretical 3 practical	a4 a9	It gives examples of the exten which pastures are vulnerabl degradation . Classifies which types of plan are most suitable for growing pastures	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
5	2 heoretical 3 practical	a5 a10	Finds ways to protect natural pastures and can be applied to the pastures of Nineveh Governorate . Identify the types of toxins in plants	Theoretical: Physiology 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
6	2 heoretical 3 practical	b1 b3	It carries out the most import steps to identify the most important leguminous plants common in natural pastures . Shows which plants are most susceptible to grazing.	Theoretical : physiology of pasture pla These . Practical: grazing systems cond pa	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
7	2 heoretical 3 practical	b2 b4	It implements the most important special recommendations in cultivating the most important common grass plants in natural pastures . Determines the types and quantities of toxins found in pasture plants	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
8	2 heoretical 3 practical	c1 b5	Distinguish between the mos important factors through wh pasture germination can be improved Distinguish t types of animals	Exploiting pastu Practical: Animal behaviorres, part one	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
9	2 heoretical 3 practical	c2 b6	Selects the most important poisonous grazing plants found in . Illustrates different types of plants to grow in pastures	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
10	2 heoretical 3 practical	d1 b7	Identifies the most important harmful plants in natural pastures . He carries out various samples of pasture plants to determine their suitability for animal feed .	Theoretical trend of pasture condition Practical: methods of measuring condition Pastur	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions
11	2 heoretical 3 practical	d2 c3	Explains some of the benefits of natural pastures Carrying out samples of pasture plants	Theoretical: animal loa Practical: Methods of measuring animal load	Auditory methods Writing style On the board Dialogue style Direct practical: Assigning tasksAnd report	Short exams, assignments, discussions

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 pastu safety Explain why some plants are declining pasture	A field visit to one of th 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 pla	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				100

Required textbooks (curricular books, if any)	Fodder crops and pastures, Muhammad Sayed Radwan Abdullah Qasim Al-Fakhri
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Cops and Forage Archives
Electronic References, Websites	ICARDA, Arab Organization for Agricultural Developmer

Theoretical subject teacher
Dr. Salem Abdullah Younis

Practical subject:
Ahmed Majeed Abdulaah

Head of the forage crop Department: **Dr. Maysar Muhammad**

Chairman of the Scientific Committee :
Dr weam yahya Rasheed