Course Description Form

1. Course Name	e: Land cultivation			
Land Cultivation				
2. Course Code	•			
LACU461				
3. Semester / Y	ear:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	autumn) / 2024-2025			
4. Description	Preparation Date:			
1/9/2024	كلية الزراعة والغابات			
	endance Forms:			
Presence + onlin	A 127 127 131 1			
	redit Hours (Total) / Nui			
(2 theoretical + 3	3 practical = 5 hours) ×15	weeks = 75 hours /	3.5 units	
	nistrator's name (menti			
Practical Instructor:	Email: dfhrdheyaa@uomosul.edu.iq tructor: Abdullah Khadir Muhammad abdullah.khder79@uomosul.edu.iq			
8. Course Obje	ctives			
assimilate the scienting in terms of under analysis, and synthe practical skills in idea discrimination, and putheoretical information and produced information and produce	factors for increasing	(practical) 1- Learn about farm 2- Learn about the agricultural crops. 3- Learn about irrig	effects of salinity on	
9.Teaching and Le	earning Strategies			
Strategy	(theoretical) Interactive lecture Brainstorming		(practical) Assignment to team work Assigning tasks and	

I I		Dialogue and discussion Assigning tasks and repo He is assigned to prepare from his diligence It is prepared for discussi	reporting		
100C	ourse Structu			•	
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2Theoretical 3 practical	(theoretical) Known as drought (practical) Enumerates the types of irrigation	(theoretical) Dry farming (practical) Irrigation Solve and the solve an	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
2	2Theoretical 3 practical	(theoretical) It represents the soil (practical) Shows the effect of salt stress on plant germination and growth	(theoretical) the soil (practical) Salt stress	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning	Short exams, assignment of homework, discussions, student attendance

				tasks and reporting.	
3	2 Theoretical 3practical	(theoretical) Mention the factors for increasing productivity in field crop fields (practical) Explains farming methods in terms of performance	(theoretical) Factors that increase productivity in fields Crops (practical) Farming methods	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and	Short exams, assignment of homework, discussions, student attendance
4	2 Theoretical 3 practical	(theoretical) Enumerates the conditions that must be met by seeds prepared for planting (practical) Shows the environmental factors that affect germination	(theoretical) Agriculture seeds (practical) Germination	reporting. (theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
5	2Theoretical 3 practical	(theoretical) List the causes of seed	(theoretical) Quality of	(theoretical) Auditory	Short exams,

		damage (practical) Explains the benefits of storing seeds	agricultural seeds (practical) Store seeds	methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	assignment of homework, discussions, student attendance
6	2 Theoretical 3 practical		(theoretical) Piety (practical) Gestures	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
7	2Theoretical 3practical	(theoretical) Shows plants that do not collect salts (practical) Explains the osmotic effect	(theoretical) The nature of salt- tolerant plants (practical) The effect of soil salinity on plant growth	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue	Short exams, assignment of homework, discussions, student attendance

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				style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	
8	2 Theoretical 3 practical	(theoretical) List the methods of nitrogen fixation (practical) Shows symptoms of nitrogen deficiency	(theoretical) Nitrogen element and its fixation (practical) Pictures of nitrogen in the ground agricultural	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
9	2Theoretical 3 practical	(theoretical) Enumerates the steps used to treat stressed ground (practical) Explains methods of adding fertilizers	(theoretical) Types of land defects (practical) Fertilizers - fertilization	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning	Short exams, assignment of homework, discussions, student attendance

				tasks and reporting.	
10	2Theoretical 3 practical	(theoretical) Know the agricultural cycle (practical) It enumerates the conditions that must be met in the thinning process	(theoretical) Agricultural cycle (practical) Patching - cutting - hoeing	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
11	2Theoretical 3 practical	Harvesting process	(theoretical) Post-harvest losses (practical) harvest	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
12	2Theoretical 3 practical	(theoretical) Demonstrates mutual benefit (practical) Demonstrates stillness	(theoretical) Biological factors and their impact on Production and	(theoretical) Auditory methods. Style of writing on	Short exams, assignment of homework,

			distribution of field crops (practical) Dormancy - hibernation	the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	discussions, student attendance
13	2Theoretical 3 practical	(theoretical) Shows crop service operations (practical) Demonstrates the use of agricultural mechanization	(theoretical) Energy expended for service operations (practical) Some processes are used to increase efficiency energy	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class Google Classroom. (practical) Assigning tasks and reporting.	Short exams, assignment of homework, discussions, student attendance
14	2Theoretical 3 practical	(theoretical) Shows the damage caused by salinity to plants (practical) Shows the effect of soil plate on reproduction	(theoretical) Foundations of farming in desert lands (practical) Indirect effects of salts On plants	(theoretical) Auditory methods. Style of writing on the blackboard. Direct dialogue style. Electronic class	Short exams, assignment of homework, discussions, student attendance

						(prad Assi tasks	gle sroom. ctical) gning s and rting.	
15	2Theoretical 3 practical	accordi classific (practic Explain salinity	is land plants ing to their cation cal) is the effects of	(practio	ture guides cal) stations of ct of on	Aud meth Style writing the black Direction of the class Good Class (praction) and tasks	kboard. et ogue tronic	Short exams, assignment of homework, discussions, student attendance
11	.Course Evalua	tion	W					
	Calendar me		(Calendar date	·	Degree			e weight%
1	Theoretical report + pra experience re	ctical	ctical		7Theoretical 6 practical		13%	
2	Short test Quiz		week (3)	4Theoreti 2 practica				6%
3	Midterm Ex (theoretical (practica	l and al	week (9)		10Theoret + 5 practical	ical		15%
4	Short test Quiz	z(2)	week (12) Charles of the control of the cont	4Theoretic 2 practical			60%
5	Final practic	al test	Practical exams	week	20%			40%
6	Final theoreti	cal test	theoretical exan	1S	40%	40%		

week			
Total	100%	100%	
12.Learning and Teaching Resources			
Required textbooks (curricular books, if any)	Land cultivation: Prof. Dr Sahuki.	. Medhat Majeed Al-	
Main references (sources)	1- Renewable natural reso semi-arid areas. Year (200 Atallah Ahmed Abu Hassa 2- Breeding crops to with Written by Professor Dr. N Sahuki (2013).	95), written by Dr. an and others.	
Recommended books and references (scientific	All books, scientific journ	als, and reports	
journals, reports)	specialized in land cultiva	tion.	
Electronic References, Websites	All references and Internet sites interested in land cultivation.		

Practical Lecturer Abdullah Khadir Muhammad

Chairman of the Scientific.

Dr. Weam Yahya Rashid

Theoretical Lecturer . Dr. Dheyaa Fathi Aljuburi

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/ Head of Field Crops Dep.

Dr. Moyassar Mohammed Aziz