

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: soil science and
water resources

Stage: Fourth

Lecturer name: Mohammed Ali
Abood

Qualification: Ph.D

Place of work: soil science and
water resources

Flow up of implementation celli pass play

Course Instructor	Mohammed Ali Abood				
E-mail	Mohammed.Ali.Abood@uodiyala.edu.iq				
Title	desertification				
Course Coordinator	Second				
Course Objective	Desertification: is the ability of the desert or semi-desert conditions to extend across its borders and sweep green areas or agricultural areas and productive lands and turn them into arid lands. Desertification is a modern use for specialists in soil science. It is expressed by changing the productive agricultural lands and turning them into desert environments due to sabotage in the system. Environmental pollution caused by man, although there is no single definition of desertification despite the convening of several conferences on it.				
Course Description	Desertification is the degradation of the resources of natural wealth or soil fertility due to natural factors such as excessive temperatures, low levels of precipitation, resulting in a lack of organic matter in the soil, and human factors resulting from man's abuse of natural resources such as marginal agriculture, overgrazing, And excessive use of irrigation water, which reduces the productive capacity of the land and its degradation and thus prepares it for conversion to decertified land.				
Textbook	1- Desertification. Land degradation in dry areas. Dr. Mohamed Abdel Fattah El Kassas. Dar Al Ma'arefa Publications. 1999. Irrigation and drainage written by 2- Desertification in the Arab World. Ibrahim Nahal. Institute of Arab Development. 1987. 3- FAO. 1994. Water Harvesting for improved Agricultural production.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(40%)	-	(10%)	-	(50%)
General Notes	None				

Course weekly Outline

week	Date	Topics Covered	Practical Part
1	2022/2/27	Introduction to the concept of desertification and terminology related to desertification	Not found
2	2022/3/6	The problem of desertification	Not found
3	2022/3/13	description of forms of desertification and spores.	Not found
4	2022/3/20	Desertification and its risks and losses resulting from desertification, globally, Arab and locally	Not found
5	2022/3/27	Origin of desertification. Vegetation, salinity, drought.	Not found
6	2022/4/3	Control of Desertification. Agriculture and permanent agriculture. Water resources and desertification control, administrative positions in civilizational and civilizational behavior, land reclamation.	Not found
7	2022/4/10	Sand dunes as a manifestation of desertification. Distribution of the area of sand dunes locally and spread globally.	Not found
8	2022/4/17	Origin of sand dunes problem. Sand dunes and sand dunes. Methods and means of stabilization and control of sand dunes.	Not found
9	2022/4/24	Appliance and methods for measuring desertification and sand dunes.	Not found
10	2022/5/1	Measurement of erosion. Measure the soil's ability to remove. Measurement of loss and addition.	Not found
11	2022/5/8	Drought and desertification. The definition of drought and the causes and causes of them. The consequences of drought and desertification. Methods of coexistence with drought.	Not found
12	2022/5/15	Global Warming. The concept of global warming.	Not found
13	2022/5/22	Causes of global warming. Some methods of addressing the warming	Not found
14	2022/5/29	Water Harvesting. The concept of water harvesting. Water harvesting methods. Factors determining the choice of harvest methods	Not found
15	2022/6/5	Scientific visit	Scientific visit

Mohammed A. Abood

Instructor Signature:

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