

## Flow up of implementation celli pass play

Course Instructor	Mohammed Ali Abood				
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Title	Irrigation				
Course Coordinator	First				
Course Objective	Science irrigation looking in irrigation water sources and methods to control it, exploit and delivery of agricultural fields and includes planning, design and implementation of irrigation facilities, transmission and distribution of irrigation water and to study ways to add them and calculate the water requirement of the plant through the study of water relationship, soil and climate in addition to the study of problems related to the addition of water problems to salinity and drainage and reclamation of soils.				
Course Description	Irrigation material includes teaching students how to calculate the channels discharge, whether or not lined or exposed as well as the water needs of the plant as well as the expense of transporting and distributing water to agricultural fields without any water losses as well as the expense of the ability of the pumps that transfer water from the rivers and down to the agricultural fields.				
Textbook	Irrigation, Basics and applications, by Dr. Nabil Ibrahim Al-Tayef and Dr. Issam Khudair Hamza Al-Hadithi, 1988, Ministry of Higher Education and Scientific Research - University of Baghdad				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(15%)	(5%)	-	(60%)
General Notes	None				

	Data	Taming Comment	Due etter 1 Dr4		
week	Date	Topics Covered	Practical Part		
<b>1</b> 2022/10/2		The concept of irrigation, irrigation and	Surveying of the ground and draw a		
		spread	contour map		
			Measurement of water levels and		
2	2022/10/9	Irrigation water sources	calculate the amount of excavation and		
		backfill for irrigation channel			
3	2022/10/16	irrigation water quality	Measurement of soil moisture		
4 2022/10/23	Soil physical properties associated with	Measurement of water in different			
	Soil physical properties associated with	ways. float, weirs, orifice, Parshall			
	irrigation	flume, discharge of pumps.			
		Relationship with soil water, soil moisture			
5 2022/10/30	constants, the movement of water in the	Measurement of water infiltration			
		soil, water infiltration			
<b>6</b> 2022/11/6		Applications in calculating of water			
	Measurement of water	consumption. CropWat application			
		program in calculating $ET_0$			
7	2022/11/13	Water consumption of the plant	Crop coefficient		
<b>8</b> 2022/11/20	Water requirements and irrigation	Applications of calculating the water			
	scheduling	requirement of the plant			
<b>9</b> 2022/11/27	Transmission and distribution of irrigation	Applications in calculating the amount			
	water	of water and irrigation intervals			
10 2022/12/4	The movement of water in the pines and	Applications in the adequacy and			
	The movement of water in the pipes and	efficiency and consistency of irrigation			
	open channels	water distribution calculate			
<b>11</b> 2022/12/11	Design of imigation abanals and dist lining	Design channels: an irrigation chanal			
	2022/12/11	Design of irrigation chanals and dirt lining	dirt		
<b>12</b> 2022/12/18	2022/12/18	Adequacy, efficiency and consistency of	Coated Irrigation shanal		
	irrigation	Coated Irrigation chanal			
<b>13</b> 2022/12/25	conventional methods of irrigation and	Calculate of the capacity of the pumps			
	2022/12/23	Modern irrigation methods	Calculate of the capacity of the pumps		

**Course weekly Outline** 

Mohammed A. Abood Instructor Signature:

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