

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Science Field Crops

Stage: Fourth

Lecturer name: Adnan H. Alwagaa

Academic Status: prof.

Qualification: ph.D

Place of work: College

Agriculture/ University of Diyala

Flow up of implementation celli pass play

Course Instructor	Adnan Hussein Ali				
E_mail	adnanalwakaa@uodiyala.edu.iq				
Title	Weed Biology				
Course Coordinator	Spring Course, autumn course				
Course Objective	The course gives many subject, which it is learning student, how weed work on different hard climate and that it effect , on their characteristics , so there are many method to classification .according to factor of climate				
Course Description	1- That the student gets to know the most important jungles spread in Iraq and the world 2- The student should classify the types of bushes according to their life cycle or the nature of their reproduction 3- The student should separate the types of bushes and the most important methods used to reduce their impact on crop productivity 4- To know the scientific methods used to reduce jungle damage 5- The student should evaluate the cost of chemical control, the type of pesticides used, the method of control, addition, and the devices used in control.				
Textbook	1. Dynamics of weed populations by Roger causon and Clarence J.Swanton. Weed Ecology in Natural and Agricultural system by Barbara D.Booth Stephen, D.Murphy and Martin Motimer. Weed science, Principles and practices 4th edition by Thomas and et al., 2. Weed science, principles and Application 3th edition by Wood.P.Anderson. 3				
References	1- weed science. 2- Websites, Articles, FAO reports . 3-. Weed management.Hand book.9th edition by Robert,E.L.Maylor. 3.Methods of applying herbicides.by C.G.Mcwhoter and M.R.Gebhard				
Course Assessment	final	report	coz	Lab	
	%60	%5	%5	%10	%20
General Notes					

Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
		<i>Theoretical</i>	<i>Lab.</i>	
1		<i>Characteristics of weeds</i>	<i>Identification of Tools which used to weeds control</i>	
2		<i>Identification weeds at field crops</i>	<i>Calculation economic value of mechanical weeds control at field</i>	
3		<i>Identification seeds of weeds</i>	<i>Common herbicide which used to weed control date and method application</i>	
4		<i>Test germination Varieties of weeds</i>	<i>Calculation of trade material of herbicides</i>	
5		<i>Drying of plant weeds and make samples as file</i>	<i>Control Broad leaves weed ,by selective herbicide</i>	
6		<i>Studying Rhizomes system of common weeds in Iraq .</i>	<i>Control narrow leaves weed by selective herbicide .</i>	
7		<i>Studying Rhizomes of common weeds in Iraq</i>	<i>Writing results from herbicide which it used at 5,6week</i>	
8		<i>Studying Rhizomes of common weeds in Iraq</i>	<i>Weed control at corn fields</i>	
9		<i>Identification of parasitic weeds</i>	<i>Weed control at cotton field</i>	
10		<i>Identification of Horticultural weed,</i>	<i>Calculate and record percentage control for herbicide which used at 9,8 week</i>	
11		<i>Identification of vegetative field</i>	<i>Calculate and record percentage control for herbicide which used at 9,8 week</i>	
12		<i>Studying method of dissemination of weeds</i>	<i>Control weeds at uncultivated areas</i>	
13		<i>Extraction of aquatic weeds</i>	<i>Control weeds at irrigation and drain ditches</i>	
14		<i>Test aquatic extraction of weeds</i>	<i>Banned and restriction Herbicide</i>	
15		<i>Test aquatic extraction of weeds</i>	<i>Problems on seed storage.</i>	



Instructor Signature:
Ph.D. Adnan H. Alwagaa

Dean Signature:
Ph.D. Raed Ibrahim Khalel