

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

Course Instructor	<i>Adnan Hussein Ali</i>				
E_mail	adnanalwakaa@uodiyala.edu.iq				
Title	<i>Weed Biology</i>				
Course Coordinator	<i>Spring Course, autumn course</i>				
Course Objective	<i>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</i>				
Course Description	<i>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.</i>				
Textbook	<i>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</i>				
References	<i>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</i>				
Course Assessment	<i>final</i>	<i>report</i>	<i>coz</i>	<i>Lab</i>	
	<i>%60</i>	<i>%5</i>	<i>%5</i>	<i>%10</i>	<i>%20</i>
General Notes					

Course weekly Outline

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



InstructorSignature
Prof. Dr. Adnan H. Alwagaa
15/1/2025



Dean Signature
Prof. Dr. Raed Ibrahim Khalel
15/1/2025