

## Course Description Form Weed Control

Course Name	
Weed Control	
Course Code	
WEEC413	
Semester/ Year	
Second / 2025	
Date of preparation of this description	
15 January 2025	
Available Forms of Attendance:	
Full-time (theoretical lecture and practical lecture) weekly	
Number of Credit Hours (Total) / Number of Units (total)	
2 theoretical hours and 3 working hours per week for 14 weeks, the number of units is 3.5 units	
Name of the course administrator (if more than one name is mentioned)	
Prof. Dr. Adnan Hussein Ali Al-Wakaa                      Email: <a href="mailto:adnanalwakaa@uodiyala.edu.iq">adnanalwakaa@uodiyala.edu.iq</a> Eng. Husham Abdulwahab Abdulkarim	
Course Objectives	
Objectives of the course :	<ol style="list-style-type: none"><li>1- Weed science and ways to combat it discusses the most important Weeds in Iraq and the world and the extent of their damage to crop plants and the possibility of benefiting from them by adding methods to combat them</li><li>2- It includes knowing, surveying and diagnosing the widespread Weeds in Iraq and some countries of the world</li><li>3- Knowing the characteristics of the bush and the specifications of its seeds</li></ol>

Teaching and Learning Strategies	
Strategy	• In-person lectures for 14 weeks, interspersed with two monthly exams, daily exams and scientific reports
Theoretical	

Course Structure					
Week	Credits	Intended Learning Outcomes	Module / Course Name or	Teaching*method	Evaluation Method
1	2	Characteristics of bush plants and seeds	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
2	2	Ways to combat the Weed .Mechanical method, manual extraction.Hoeing	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
3	2	Use of tillage, tilling and immersion in water	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
4	2	The Biological Method in Combating the Weed	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
5	2	Use of competition and agricultural cycle	Weed Control	Explanation and presentation of the model and lecture	Daily and Monthly
6	2	Use of heat and coating method	Weed Control	Explanation and presentation of the model and lecture	Final and Reports

7	2	Scientific terminology used in Weed control and Weed classification	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
8	2	Pesticides and plants .. Absorption and transfer of pesticides	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
9	2	Electoral Pesticides, Factors Affecting Electoral	Weed Control	Explanation and presentation of the model and lecture	Daily and Monthly
10	2	Pesticides and soil. Reactions to pesticides when pesticides come into contact with soil	Weed Control	Explanation and presentation of the model and lecture	Final and Reports
11	2	Combating Weeds in Iraq's main crop fields	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
12	2	Fighting Weeds in nurseries and orchards	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
13	2	Water Weed Control Methods	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
14	2	Physics of absorption and transfer of pesticides in the soil and the factors affecting them .	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day

15	2	Physics of absorption and transfer of pesticides added to vegetable parts and the factors affecting them .	Weed Control	Explanation and presentation of the model and lecture	Examinations Daily and Monthly Final and Reports day
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Practical Part					
Week	Credits	Intended Learning Outcomes	Weed Control	Learning Method	Evaluation Method
1	3	Visit to the fields of the Faculty of Agriculture	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
2	3	Scientific, agricultural and physiological methods in reducing	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
3	3	Grooming the most important agricultural equipment used in	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
4	3	Conducting mechanical control, hoeing and weeding	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly
5	3	Grooming on the most important common pesticides	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly
6		Calculate the amount of pesticide per unit area	Weed Control		Examinations Daily and Monthly
7	3	Standardization of sprinklers used in combat	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
8	3	Control of arid Weeds with systemic pesticides	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and
9	3	Control of thin Weeds with systemic pesticides	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly

10	3	Recording the results of electoral pesticide control	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly
11	3	Control of Weeds in crop fields such as maize	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly Final
12			Second Exam		
13	3	Recording the percentage of control of previous	Weed Control	Case history Brainstorming Debating and	Examinations Daily and Monthly
14	3	Control of Weeds with non-systemic and non-elective pesticides	Weed Control	Case history Brainstorming Debating and discussing	Examinations Daily and Monthly Final and

Course Evaluation	
Daily and monthly exams, reports and student effectiveness during the lecture.	
Learning and Teaching Resources;	
Required textbooks ( methodology if any )	1- Weed science. Dr.Baqer Al-Jubouri. Weed in Iraq. 2- Dr. Ghanem and Tawfiq Chalabi. The bush and the basics of combat. 1- Abdul Razzaq Al-Jazal and methods of combating it. Dr.Salem Hammadi Antar, 2011 Ibn Al-Atheer 2- 3- Press IIIUNTRANSLATED CONTENT STARTIII جامعة الموصل
Key References (Sources)	Recent articles from the Internet, specialised scientific journals, the Journal of Agricultural Sciences - Iraq and the Virtual Library.
Recommended supporting books and references (scientific journals, reports)	Iraqi academic scientific journals

E-References, Websites	Crop Science Society Of America Library Genesis The field crops _ principles and a practice Agronomy journal. weed science. Websites, Articles, FAO reports.
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