

Description of the course of the Crop Diseases

Course Name	
Crop Diseases	
Course Code:	
CROD302	
Semester/Year	
First / 2025	
Date this description was prepared	
15 January 2025	
Available attendance forms	
Compulsory	
Number of Credit Hours (Total)/ Number of Units (total)	
2 theoretical hours and 3 working hours per week for 14 weeks/ number of units 3	
Course administrator's name (if more than one name)	
Dr. Mohamed Nadeem Kassem	
Course Objectives	
The student should know the concept of plant disease and be able to distinguish between the types of field crop diseases and ways to combat them and between chemical control and biological control and to know the scientific methods used in reducing the harm of diseases and the student should assess the cost of chemical control and quality of pesticides used and the devices used in the control.	
Teaching and Learning Strategies	
1-Explanation and clarification Lecture method 3- Student groups 4- Self-learning method	
Course Evaluation	
EXAMINATIONS Monthly and daily exams with discussion questions within the lecture Degree of participation in questions related to the subject	
Learning and Teaching Resources;	
Required textbooks (methodology if any)	Plant Diseases, 1988 , by Dr. Abdul Hamid Khaled - Zarzis,Maysar Majeed and Sergeant Akef Hamad and Iyad Abdul Wahid Al-Hiti (1993) Basics of Plant Diseases -Dar Al-Hikma for Printing and Publishing.

	Al-Ani, Raqeeb Akaf, Maysir Majeed Zarzis and Kamel Salman Jabr (1989) Field Crop Diseases, Higher Education Press. The Basics of Plant Pathology 1995 , Robert Daniel
Key References (Sources)	Phytopathology, Agrios G., 200
Recommended supporting books and references (scientific journals, reports)	C/N H. Roldos de la Sovera, Montevideo
E-References, Websites	crop Science Society Of America Library Genesis

Week	Credits	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluation Method
1	2	Economic Importance of Field Crop Diseases	Crop Diseases	Lecture and explanation by model presentation	Exam
2	2	Field Crop Pathogens	Crop Diseases	Lecture and explanation View template	Exam
3	2	Wheat diseases: - Root rot and fall seedlings, powdery mildew, villoso-Whitening, stem rust, leaf rust, striped rust, covered charring, locust charring.	Crop Diseases	Lecture and explanation View template	Exam
4	2	Spelt Diseases: - Fluffy charring, smearing of asparagus leaves, stem molds, black dot, spike blight, grass warts, spelt mosaics.	Crop Diseases	Lecture and explanation View template	Exam
5	2	Malt Diseases	Crop Diseases	Lecture and explanation View template	Exam
6	2	Rice diseases	Crop Diseases	Lecture and explanation View template	Exam
7	2	Maize (corn)	Crop Diseases	Lecture and explanation View template	Exam
8	2	Sorghum	Crop Diseases	Lecture and explanation View template	Exam
9	2	Oily Crop Diseases Sunflower diseases	Crop Diseases	Lecture and explanation View template	Exam
10	2	Sesame and safflower diseases	Crop Diseases	Lecture and explanation View template	Exam
11	2	Legume Crop Diseases	Crop Diseases	Lecture and explanation View template	Exam
12	2	Sugary Crop Diseases	Crop Diseases	Lecture and explanation View template	Exam

13	2	Fibre Crop Diseases	Crop Diseases	Lecture and explanation View template	Exam
14	2	Diseases of Forage crops	Crop Diseases	Lecture and explanation View template	Exam
15	2	Tobacco diseases	Crop Diseases	Lecture and explanation View template	Exam

Practical Part

Week	Credits	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluation Method
1	3	Laboratory tools and devices in the Field Crop Disease Laboratory	Crop Diseases	Lecture and explanation by model presentation	Exam
2	3	Symptoms and signs	Crop Diseases	Lecture and explanation View template	Exam
3	3	Study of symptoms and signs of wheat diseases	Crop Diseases	Lecture and explanation View template	Exam
4	3	Study of symptoms and signs of wheat diseases	Crop Diseases	Lecture and explanation View template	Exam
5	3	Studying the symptoms and signs of barley diseases	Crop Diseases	Lecture and explanation View template	Exam
6	3	Study of symptoms and signs of rice diseases	Crop Diseases	Lecture and explanation View template	Exam
7	3	Study of the symptoms and signs of maize	Crop Diseases	Lecture and explanation View template	Exam
8	3	Study of Symptoms and Signs of Sorghum Disease	Crop Diseases	Lecture and explanation View template	Exam
9	3	Studying the symptoms and signs of sunflower diseases	Crop Diseases	Lecture and explanation View template	Exam
10	3	Study of symptoms and signs of sesame and safflower diseases	Crop Diseases	Lecture and explanation View template	Exam

11	3	Studying the symptoms and signs the most important diseases of leguminous crops	Crop Diseases	Lecture and explanation View template	Exam
12	3	Study of symptoms and signs of the most important diseases of sugar crops	Crop Diseases	Lecture and explanation View template	Exam
13	3	Studying the symptoms and signs the most important diseases of fiber crops	Crop Diseases	Lecture and explanation View template	Exam
14	3	Studying the symptoms and signs the most important crop diseases forage	Crop Diseases	Lecture and explanation View template	Exam
15	3	Studying the symptoms and signs the most important diseases TOBACCO	Crop Diseases	Lecture and explanation by model presentation	Exam

Course Evaluation

EXAMINATIONS

Daily exams with discussion questions within the lecture
Degree of participation in questions related to the subject

Learning and Teaching Resources;

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Infrastructure	
Required textbooks	<ul style="list-style-type: none"> - Plant Diseases, 1988 , authored by Dr. Abdul Hamid Khaled - Zarzis ,Maysar Majeed and Sergeant Akef Hamad and Iyad Abdul Wahid Al-Hiti (1993) Basics of Plant Diseases -Dar Al-Hikma for Printing and Publishing. Al-Ani, Raqeeb Akef, Maysir Majeed Zarzis and Kamel Salman Jabr (1989) Field Crop Diseases, Higher Education Press. - Plant Disease Fundamentals 1995 , Robert Daniel Phytopathology , Agrios G., 2005
Key References (Sources)	<ul style="list-style-type: none"> - Zarzis ,Maysar Majeed and Sergeant Akef Hamad and Iyad Abdul Wahid Al-Hiti (1993) Basics of Plant Diseases -Dar Al-Hikma for Printing and Publishing. Al-Ani, Raqeeb Akef, Maysir Majeed Zarzis and Kamel Salman Jabr (1989) Field Crop Diseases, Higher Education Press. - Plant Disease Fundamentals 1995 , Robert Daniel Phytopathology , Agrios G., 2005
Recommended supporting books and references (scientific journals, reports)	Iraqi academic scientific journals

Electronic references, websites ,.....	crop Science Society Of America Library Genesis